Product guide

cimberio®
technological **valve** solutions

technological valve solutions

Product guide

126

Authorised Economic Operator

RATING
DI LEGALITÀ

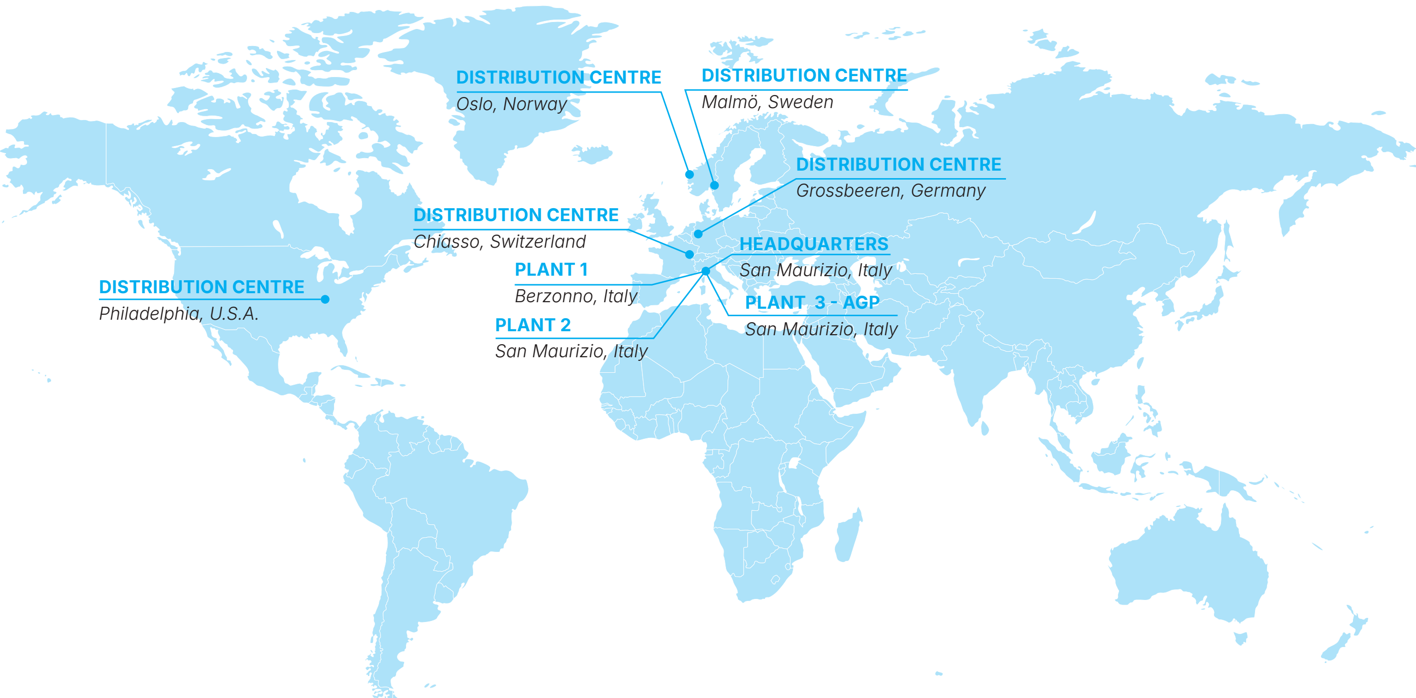
CIMBERIO S.P.A.
28017 San Maurizio d'Opaglio (NO) - Italia - Via Torchio, 57
Tel. +39 0322 923001 - info@cimberio.it
www.cimberio.com

Founded in 1957 by Giacomo Cimberio and now led by Roberto Cimberio, representing the third generation after his father Renzo, our company stands as a leading reference point in the research, design, and production of valves. Cimberio designs and manufactures advanced solutions for applications in water, gas, HVAC, plumbing systems, OEM, and smart systems.

We are a company constantly committed to blending tradition with innovation, our history with the future we envision, and what we have been with what we aim to become.
Our growth has always been built on solid values that have evolved into three essential pillars: **innovation**, to anticipate market needs; **excellence**, to consistently deliver the highest quality to our customers; and **sustainability**, to ensure a responsible and lasting future for the generations to come.

We have chosen to keep our production in Italy, more precisely on the shores of Lake Orta, where our story began. We did so because, to us, "Made in Italy" is not just a label or a trademark: it is a mission, an imperative, a way of being in which we have deeply rooted our identity.
Since 2020, we have been officially recognized as a Historic Brand of National Interest, a testament to how our past and heritage continue to inspire and guide us, sustained by an authenticity that has never faded.

That is why, for us, looking ahead means above all maintaining the highest standards of quality, driving innovation and progress, anticipating change, and keeping our vision focused on the future.



3 production plants, **35.000** square metres of covered space and **250** employees.
5 distribution centres, serving over **80** countries worldwide.

Innovation

It is the key to anticipating the future and constantly improving what we offer. We don't just follow trends; we create them, investing in research and development to design cutting-edge solutions. Every innovation we bring to life stems from a balance between advanced technology, sustainability, and a focus on our customers' needs.
This is how we turn ideas into reality, contributing to a more efficient and environmentally friendly future. Because the future is already here.

Excellence

For us, excellence means going beyond standards: it is the continuous pursuit of quality, innovation that anticipates the future, and respect for the environment and people. Every valve, every solution we offer is born from passion and commitment to guarantee the best for those who choose us.
Excellence is synonymous with uncompromising quality. For years, we have been committed to innovating and improving, guided by the values of sustainability and Made in Italy craftsmanship.

Equality

These are concrete actions that are part of our everyday life and have become our norm. Equality means ensuring the same rights and opportunities for everyone; it means creating and maintaining a respectful and positive work environment; it means preventing discomfort and inequality.
In 2023, we obtained the Gender Equality Certification according to the UNI/PdR 125:2022 standard a testament to our genuine and ongoing commitment, because we truly believe in it.

Sustainability

Let's ask ourselves a question. What does sustainability mean? What does sustainability mean for us? It means thinking of this planet not as a legacy inherited from our ancestors, but as a loan to be returned to our children.
It means having a clear path and a way of being a company guided by respect for everything around us. It means always putting people at the center of the world: a world that is, more and more, a place worth fighting for.

The Cimberio Group

Our goal is to improve the quality of life and the environment, working towards a more sustainable and shared future.

The **Cimberio Group** includes companies specialized in the production of brass valves and components, environmentally friendly galvanic treatments, energy efficiency solutions, and innovative technologies for smart buildings, smart cities, and key industrial sectors.

AGP QuickLink SOLUTIONS ENERSEM

intellienergy tech ARNALDO FUSELLI TURNED PARTS

Our Certifications

PAS 99 | 2012
Integrated Management System

ISO 9001 | 2015
Quality Management System

ISO 14001 | 2015
Environmental Management System

SA 8000 | 2014
Social Responsibility

ISO 45001 | 2018
Occupational Health and Safety Management System

ISO 50001 | 2018
Energy Management System

EPD
Product Environmental Declaration

ECOVADIS
Corporate Sustainability Assessments

UNI/PdR 125 | 2022
Gender Equality Certification

AGP

AGP represents the future of galvanics: we combine technology, sustainability, and research to revolutionize surface treatment processes.
Our mission is to develop advanced solutions that enhance material performance while reducing environmental impact.

Cutting-Edge Technology: We develop innovative treatments that ensure maximum resistance, durability, and safety.

Concrete Sustainability: All our processes reduce the use of toxic substances, resource consumption, and emissions.

Uncompromised Performance: We provide efficient and competitive solutions that meet the most stringent regulations. With our **TEA®** B, **TEA®** PLUS, **CROMEX Trivalent Chrome** and **Lead leaching process**.

AGP is redefining galvanic standards, offering a safe and eco friendly alternative to traditional technologies.

At **AGP**, innovation and sustainability go hand in hand. Our processes reduce environmental impact and optimize resource use, ensuring safer and more efficient galvanic treatments.

90-95% Reduction in Waste Sludge: Less industrial waste, greater environmental responsibility.

66% Reduction in Water Consumption: Optimized production cycles to minimize resource waste.

30% Less Energy Consumption: Enhanced efficiency for lower CO2 emissions.

Zero Lead, Cobalt, and Cyanides: Safer processes for people and fully compliant with regulations.

Salt Spray Comparison Test:

Brass Valves CW511L – After 248 hours of testing, the samples exhibit visible signs of corrosion.

*Brass Valves CW511L treated with **TEA® PLUS** – After 248 hours of testing, the samples show no signs of corrosion.*

TEA® PLUS

The **AGP TEA®** PLUS process takes galvanic sustainability to the next level an advanced treatment that optimizes efficiency, minimizes environmental impact, and ensures exceptional performance.

Enhanced Performance: Longer-lasting coating with superior resistance to corrosion and wear.

Production Efficiency: Optimized process to reduce energy consumption and minimize waste.

Safe for People & Environment: Lead-free, cobalt-free, and cyanide-free, ensuring compliance with the strictest regulations.

Innovative technology for stronger, more durable surfaces.

Reduced environmental impact without compromising performance.

Ideal for industries with high safety and sustainability standards.

TEA® B

The **AGP TEA®** B treatment is a game-changer in galvanics an innovative, sustainable solution that replaces electrolytic nickel.

Safe & High-Performance: Maximum adhesion, wear and corrosion resistance without delamination, even in demanding conditions.

Real Sustainability: Free from lead, cobalt, and cyanides,reducing environmental impact and health risks.

Enhanced Efficiency: Three times lower concentration of metallic salts compared to traditional processes, and 75% less sludge production.

Nickel-like appearance, but safer for workers and the environment.

Fully REACH-compliant and aligned with the highest sustainability norms.

An advanced process for a more responsible galvanic industry.

Index

technological **valve** solutions

Chapter 1

Smart Energy Valve

cimberio®

technological **valve** solutions

Knolval™

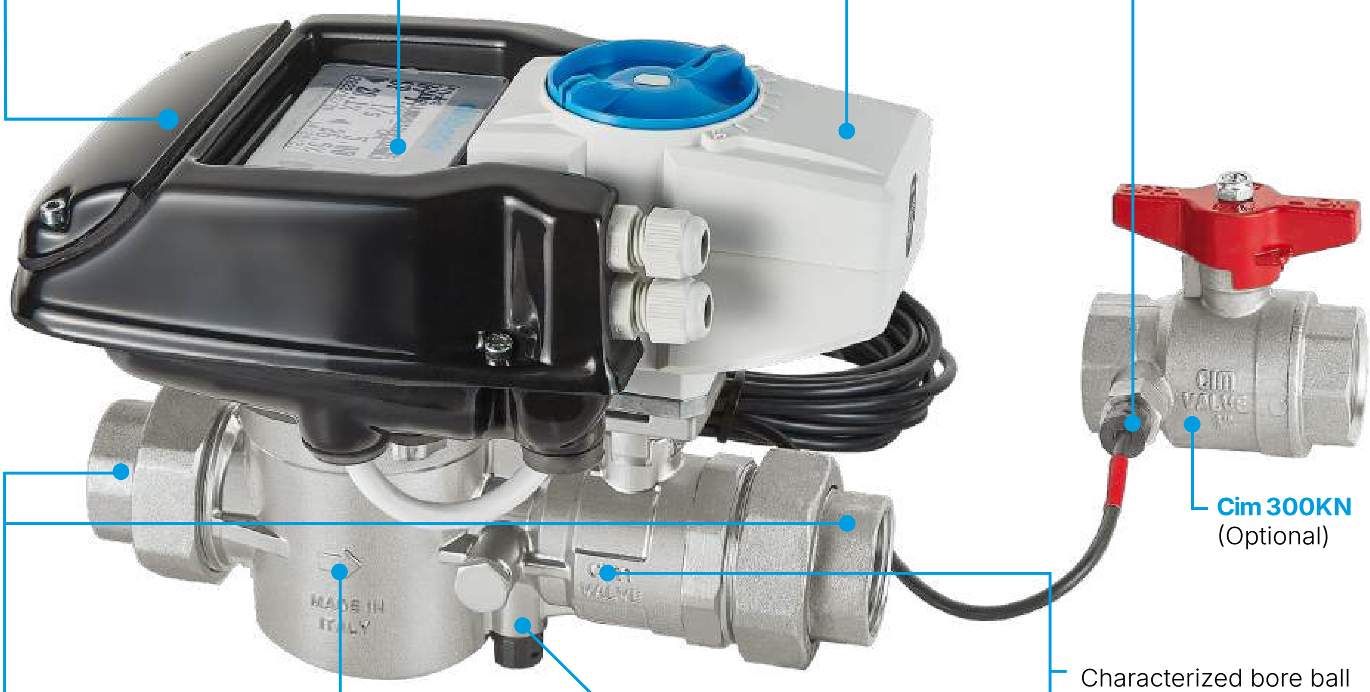
Smart Energy Valve - cim® 9750

Smart Energy Valve, threaded PN 25, for heating and cooling systems.

Cim 9750 is a 2-way electronic control valve, integrated into a single body with an electromagnetic thermal energy meter, compliant with EN1434 and the MID MI004 (Measuring Instruments Directive) 2014/32/EU.

The MID standard applies to the entire instrument; the electromagnetic flow meter ensures accurate measurement of water flow, including water–glycol mixtures at various concentrations.

Available threaded sizes: 1/2" - 3/4" - 1" - 1"1/4 - 1"1/2 – 2".



Application:

Knolval can be used in a wide variety of sectors, in particular heating and HVAC systems, hotels shopping centers, schools, airports and commercial buildings in general. Other possible applications can be industrial processes or cooling of data centres, where it is important an accurate management of energy exchange and monitoring of thermal parameters.

Compatible with glycol and additives:

Electromagnetic technology maintains high accuracy even in the presence of water–glycol mixtures or other additives, such as anti-scale agents, corrosion inhibitors, and protective fluids.

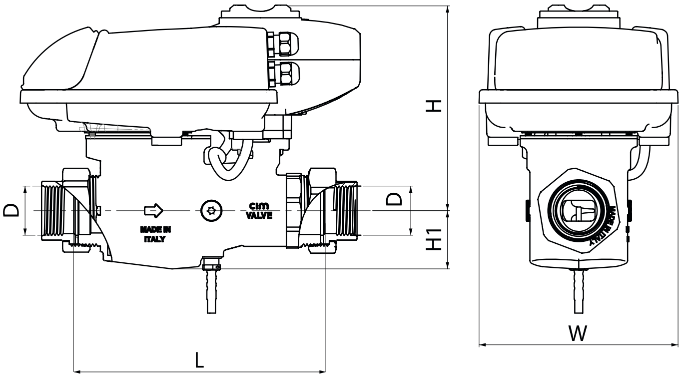
Control strategies:

- Flow control
- Power control
- Return temperature control
- ΔT control
- Valve opening degree control (%)
- Local (input) or remote (protocol) enable/disable control
- Can operate as ePICV or eDPCV
- Valve control strategy based on signals from an external sensor, *e.g.*, remote temperature, relative pressure, or differential pressure.
- Variables and setpoints can be programmed by the user or by the BMS to meet specific application requirements.

Main features:

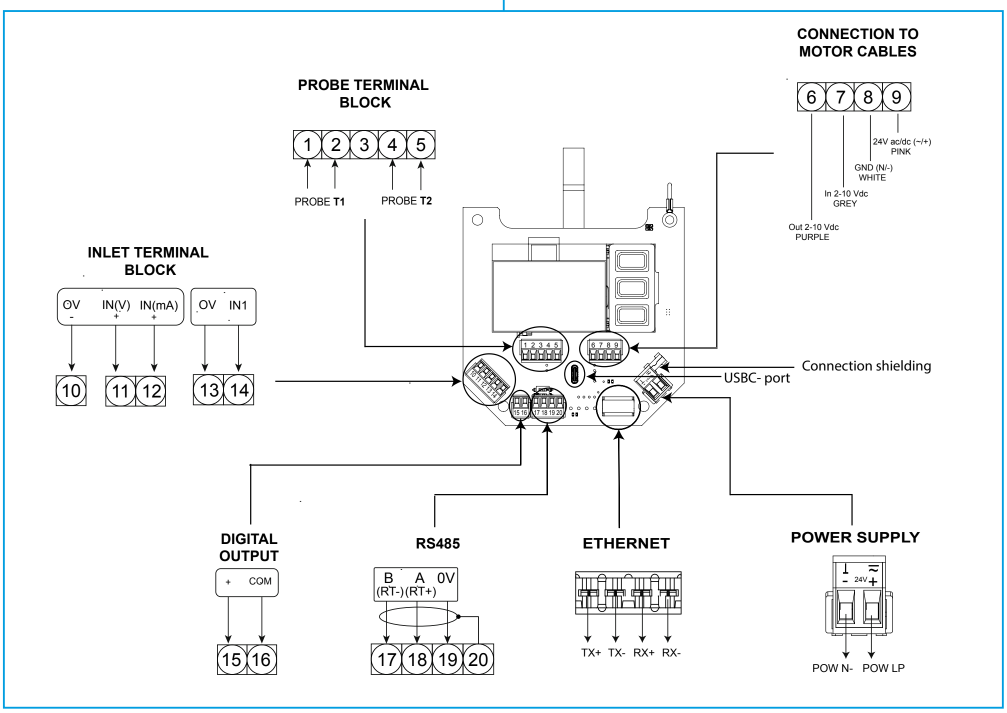
- Temperature range: -10 to 120°C
- Measurement and control of flow, temperature, power, and energy
- Electronic board for measuring, control and communication
- Energy meter (MID certification optional) for both heating and cooling application
- Data + Event Logger
- Designed for integration with building management systems (BMS)
- RGB LED indicating status information (heating, cooling, measurement, error)
- Power supply 24V DC/AC (24V DC For Energy calculator)
- High accuracy mesuring even with air bubbles, solid particle, and glycol mixture
- Flow measurement accuracy ±0.8% of full scale R.V.
- Human interface (optional) 3 buttons screen for displaying measurements and alarms and for local configuration
- Isolated RS485 serial connection, Modbus RTU
- Ethernet TCP/IP/NTP-ICMP connection (optional)
- Modbus TCP and WebServer
- BACnet IP and RS485
- Niagara framework fully integrated
- Exchaging data through Lora wireless communication protocol (under developmet)
- Configuration through Bluetooth wireless communication protocol (under development)
- Isolated digital output (local output for alarms or pulse generation)
- Digital input (ON/OFF cycle for function enable/disable)
- USB service connection for configuration and diagnostics
- Analog input 0-10 V / 0-22mA
- Paired calibrated temperature sensors to ensure precise power or ΔT control

Dimensions:



D	L (mm)	H (mm)	H1 (mm)	W (mm)	Weight (g)
1/2"	140	132	36	134	2475
3/4"	141	132	36	134	2672
1"	163	139	39	134	3274
1"1/4	166	139	39	134	3590
1"1/2	208	151	48	134	5215
2"	212	151	48	134	5905

Electronic board:



cim® 9750 A

KNOLVAL - Threaded Smart Energy Valve - PN 25 - Standard configuration (see details on pages 18-19)

CODE	SIZE		
9750-K0001-K001 (9750 A2A0AA2D0C2C1A1A3A0)	1/2"	-	1
9750-K0001-K100 (9750 A2A1BA2D0C2C1A1A3A0)	3/4"	-	1
9750-K0001-K200 (9750 A2A2DA2D0C2C1A1A3A0)	1"	-	1
9750-K0001-K300 (9750 A2A3DA2D0C2C1A1A3A0)	1"1/4	-	1
9750-K0001-K400 (9750 A2A4FA2D0C2C1A1A3A0)	1"1/2	-	1
9750-K0001-K500 (9750 A2A5FA2D0C2C1A1A3A0)	2"	-	1

cim® 9750 B

KNOLVAL - Threaded smart energy valve - PN 25 - MID configuration (see details on pages 18-19)

CODE	SIZE		
9750-K0002-K101 (9750-M2A0CA2D0C4C1A1A3A0)	1/2"	-	1
9750-K0002-K100 (9750-M2A1CA2D0C4C1A1A3A0)	3/4"	-	1
9750-K0002-K200 (9750-M2A2DA2D0C4C1A1A3A0)	1"	-	1
9750-K0002-K301 (9750-M2A3EA2D0C4C1A1A3A0)	1"1/4	-	1
9750-K0002-K400 (9750-M2A4FA2D0C4C1A1A3A0)	1"1/2	-	1
9750-K0002-K500 (9750-M2A5FA2D0C4C1A1A3A0)	2"	-	1

cim® 9770

KNOLVAL - Threaded energy meter - PN 25

CODE	SIZE		
9770-1015	1/2"	-	1
9770-1020	3/4"	-	1
9770-1025	1"	-	1
9770-1032	1"1/4	-	1
9770-1040	1"1/2	-	1
9770-1050	2"	-	1

cim® 690

UNIMOD modulating ball valve - Full bore - Brass alloy CW617N DW - Electric actuator - 24V

CODE	SIZE		
690-1015	1/2"	1	4
690-1020	3/4"	1	4
690-1025	1"	1	4
690-1032	1"1/4	1	4
690-1040	1"1/2	1	4
690-1050	2"	1	4

cim® CIMBOX

Quick remote connection device for service of Knolval Cim 9750, by connecting to a wired or wireless network

CODE		
CIMBOX-0000	-	-

cim® EMV111MP22-90

24 Vac/Vdc modulating electric actuator

CODE		
EMV111MP22-90-0000	1	4

cim® 300KN

Shut-off ball valve - With temperature probe connection

CODE	SIZE		
300KN-1015	1/2"	30	120
300KN-1020	3/4"	25	100
300KN-1025	1"	16	64
300KN-1032	1"1/4	10	40
300KN-1040	1"1/2	6	24
300KN-1050	2"	4	16

cim® 977

Pairs of temperature probes - PT500 - 2 wires

CODE	MEASUREMENT		
977-9949	5 M	50	-
977-9954	3M MID	50	-
977-9966	5M MID	50	-

Cim 9750 Configurator:

CIMBERIO	
Cod.	Description
	Model
9750	Regulation valve with integrated electromagnetic BTU meter
	Approvals
A	According to UNI EN 1434:2022 - CE/UKCA
M	MID - MI004 - 2014/32/EU
	Display
1	Blind version (without local user interface)
2	Graphic display 128 × 64 pixels with back light, nr. 3 touch keys.
	Housing material
A	PC/ABS housing sealable
	Size
0	DN 15 / Thread 1/2" - Brass + Actuator
1	DN 20 / Thread 3/4" - Brass + Actuator
2	DN 25 / Thread 1" - Brass + Actuator
3	DN 32 / Thread 1"1/4 - Brass + Actuator
4	DN 40 / Thread 1"1/2 - Brass + Actuator
5	DN 50 / Thread 2"- Brass + Actuator
	Flow coefficient (Kv)
A	Kv 1,6 (DN 15 NO MID)
B	Kv 1,7 (DN 20 NO MID)
C	Kv 3,6 (DN 15) - Kv 3,6 (DN 20)
D	Kv 7,3 (DN 25) - (DN 32 NO MID)
E	Kv 12,7 (DN 32)
F	Kv 35 (DN 40) - (DN 50)
	Sensor body material / Electrode material / sealing material
A	Sensor body in PEEK, Electrode in HC276, Sealing in FKM
	I/O module - Analog
1	Without Analog Input and Output
2	Nr. 1 Programmable 0-10 V / 0-22mA Input
	I/O module - Digital
A	Without Digital Input and Output
B	Nr. 1 Programmable Digital Input
C	Nr. 1 Programmable Digital Output
D	Nr. 1 Prog. Digital Input; nr. 1 Prog. Digital Output
	User interfaces
0	Without
	Communication protocols
A	Without Protocols
B	Ethernet port ONLY (FTPs, WEBs, NTPs, ...)
C	Modbus RTU (over RS485)
D	Modbus TCP (over Ethernet)
E	Modbus RTU + TCP (over RS485 + Ethernet)
F	Bacnet MS-TP (over RS485)
G	Bacnet IP (over Ethernet)
H	BACnet MS-TP or TCP - selectable by the customer - (over RS485 + Ethernet)
I	BACnet MS-TP + Modbus RTU - selectable by the customer - (over RS485)
L	Modbus TCP + BACnet IP (over Ethernet)
M	Modbus RTU + TCP + BACnet MS-TP or IP (over RS485 + Ethernet)
Z	Others

Temperature probes	
1	Without
2	DT2-PT500-2 wires-d. 5,2 mm - 5 m cable │ 30° ... +120°C (no MID)
4	DSPS-2-2-3-DS/PS type - PT500 - 2 wires - d. 5,2 mm - 3 m silicon cable │ 30° ... +120°C (MID) + KIT
5	DSPS-2-2-5-DS/PS type - PT500 - 2 wires - d. 5,2 mm - 5 m silicon cable │30° ... +120°C (MID) + KIT

Power supply / Battery Back-Up / Data Logger	
A	24Vac/Vdc NOT ISOLATED - Without RTC backup - Without Data Logger
B	24Vac/Vdc NOT ISOLATED - With RTC Backup (Autonomy of 7 days) - NO Data Logger
C	24Vac/Vdc NOT ISOLATED - With RTC Backup (Autonomy of 7 days) - With Data Logger

Electrical connection	
1	White plastic Cable Glands

Special Features	
A	Without Special Features

Installation side	
1	T2 (To)- Outlet (Return)
2	T1(Ti) - Inlet (Forward)

Fluid	
A	No glycol
B	Ethylene glycol 20%
C	Ethylene glycol 25%
D	Ethylene glycol 30%
E	Ethylene glycol 40%
F	Propilen glycol 10%
G	Propilen glycol 20%
H	Propilen glycol 25%
I	Propilen glycol 30%
L	Propilen glycol 40%
Z	Other glycol or different %

Display resolution and Unit of measure	
1	KW - NO decimals
2	KW - ONE decimals
3	KW - TWO decimals
4	MW - NO decimals
5	MW - ONE decimals
6	MW - TWO decimals
7	GW - NO decimals
8	GW - ONE decimals
9	GW - TWO decimals

Language	
A	English
B	Italian

customized settings	
0	None
1	Customized settings

HOW TO ORDER

Example of complete code for order

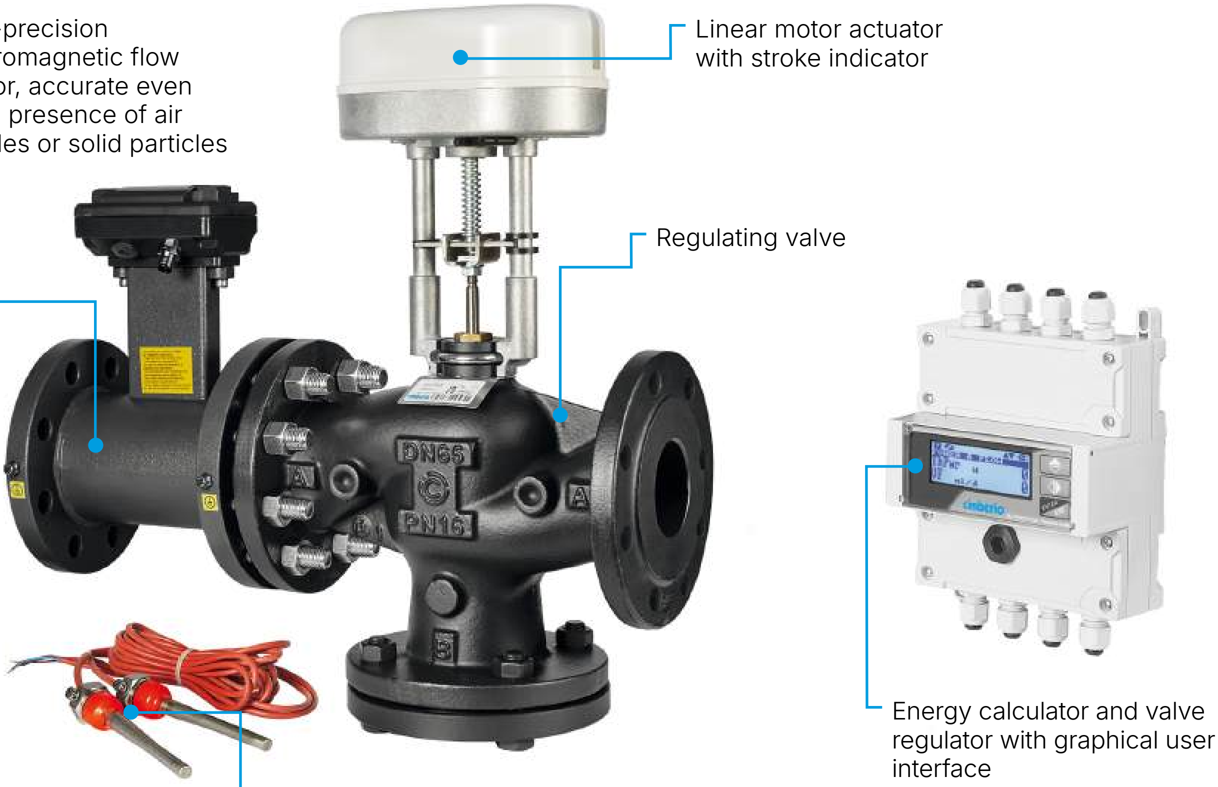
9750-A2A0AA2D0C3C1A1A3A0

Knolval™

Smart Energy Valve - cim® 9760

Smart energy valve flanged PN 16 for heating and cooling systems.
Electromagnetic flow meter allows reliable measurement of flow rates of water and glycol mixtures.

Size range DN: 65 - 80 - 100 - 125 - 150



Application:

Knolval can be used in a wide variety of sectors, in particular heating and HVAC systems, hotels shopping centers, schools, airports and commercial buildings in general. Other possible applications can be industrial processes or cooling of data centres, where it is important an accurate management of energy exchange and monitoring of thermal parameters.

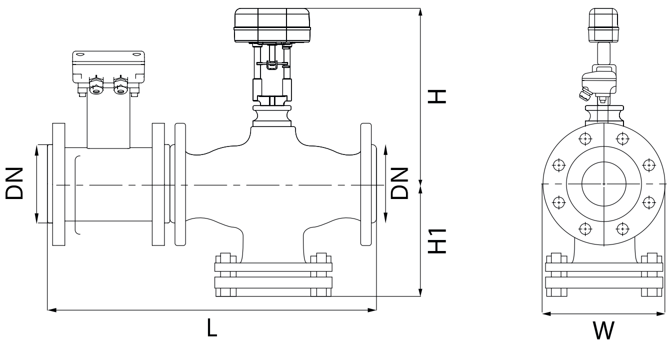
Control strategies:

- Flow control
- Power control
- Return temperature control
- ΔT control
- Valve opening degree control (%)
- Local (input) or remote (protocol) enable/disable control
- The variables and setpoints can be programmed by the user or by the BMS to meet specific application requirements

Main features:

- Temperature range from -10 to 120°C
- Measurement and control of flow, temperature, power, and energy
- Electronic board for measuring, control and communication
- Energy meter (MID certification optional) for both heating and cooling application
- Data + Event Logger
- Designed for integration with building management systems (BMS)
- RGB LED indicating status information (heating, cooling, measurement, error)
- Power supply 24V DC/AC (24V DC For Energy calculator)
- High accuracy mesuring even with air bubbles, solid particle, and glycol mixture
- Flow measurement accuracy ±0.8% of full scale R.V.
- Human interface (optional) 3 buttons screen for displaying measurements and alarms and for local configuration
- Isolated RS485 serial connection, Modbus RTU
- Ethernet TCP/IP/NTP-ICMP connection (optional)
- Modbus TCP and WebServer
- BACnet IP RS485
- Integrated Niagara protocol
- Isolated digital output (local output for alarms or pulse generation)
- Digital input (ON/OFF cycle for function enable/disable)
- USB service connection for configuration and diagnostics
- Calibrated temperature sensors in pairs to ensure precise power or ΔT (“delta-T”) measurement

Dimensions:



DN (mm)	L (mm)	H (mm)	H1 (mm)	W (mm)	Weight (kg)
65	490	318	175	185	31
80	510	328	187	200	40
100	600	365	207	220	61
125	650	388	234	250	73
150	780	406	277	285	95

cim® 9760

KNOLVAL - Flanged Smart energy valve - PN 16

CODE	SIZE		
9760-8065	DN 65	-	1
9760-8080	DN 80	-	1
9760-8100	DN 100	-	1
9760-8125	DN 125	-	1
9760-8150	DN 150	-	1

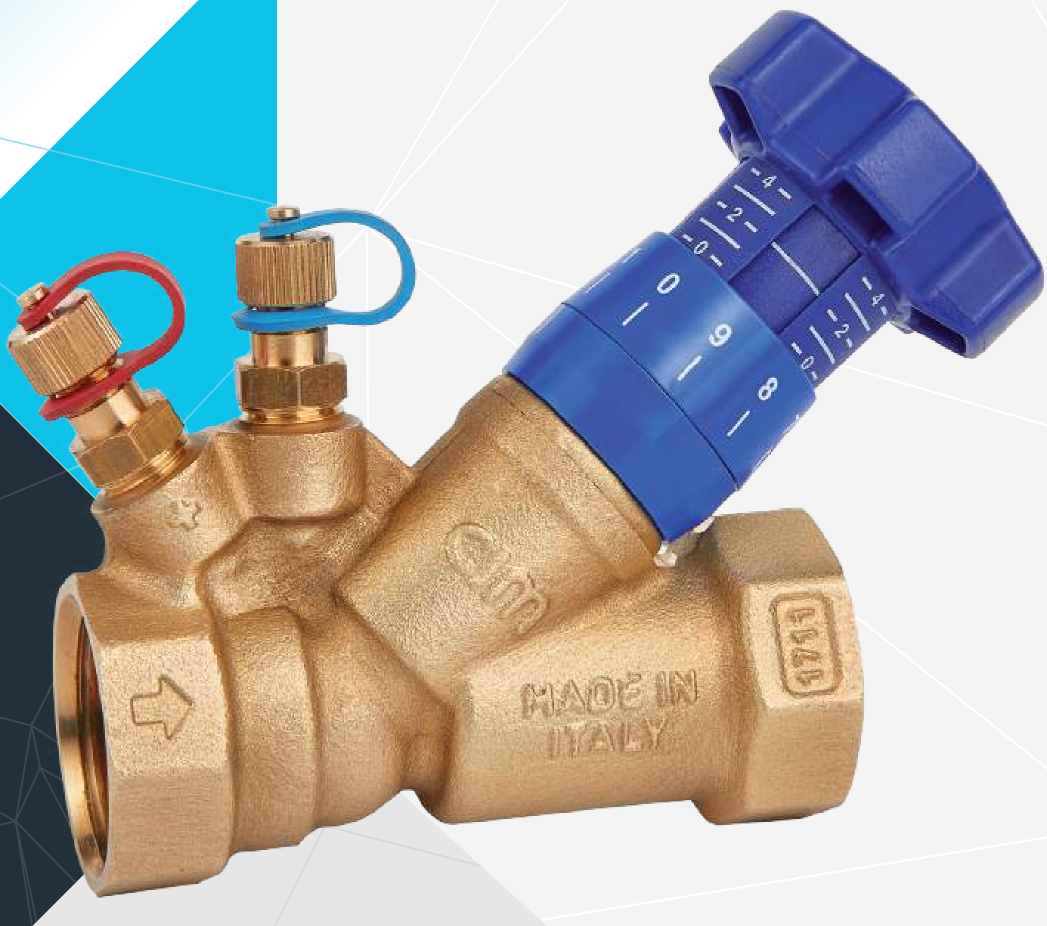
cim® 9780

KNOLVAL - Flanged Energy Meter - PN 16

CODE	SIZE		
9780-8065	DN 65	-	1
9780-8080	DN 80	-	1
9780-8100	DN 100	-	1
9780-8125	DN 125	-	1
9780-8150	DN 150	-	1

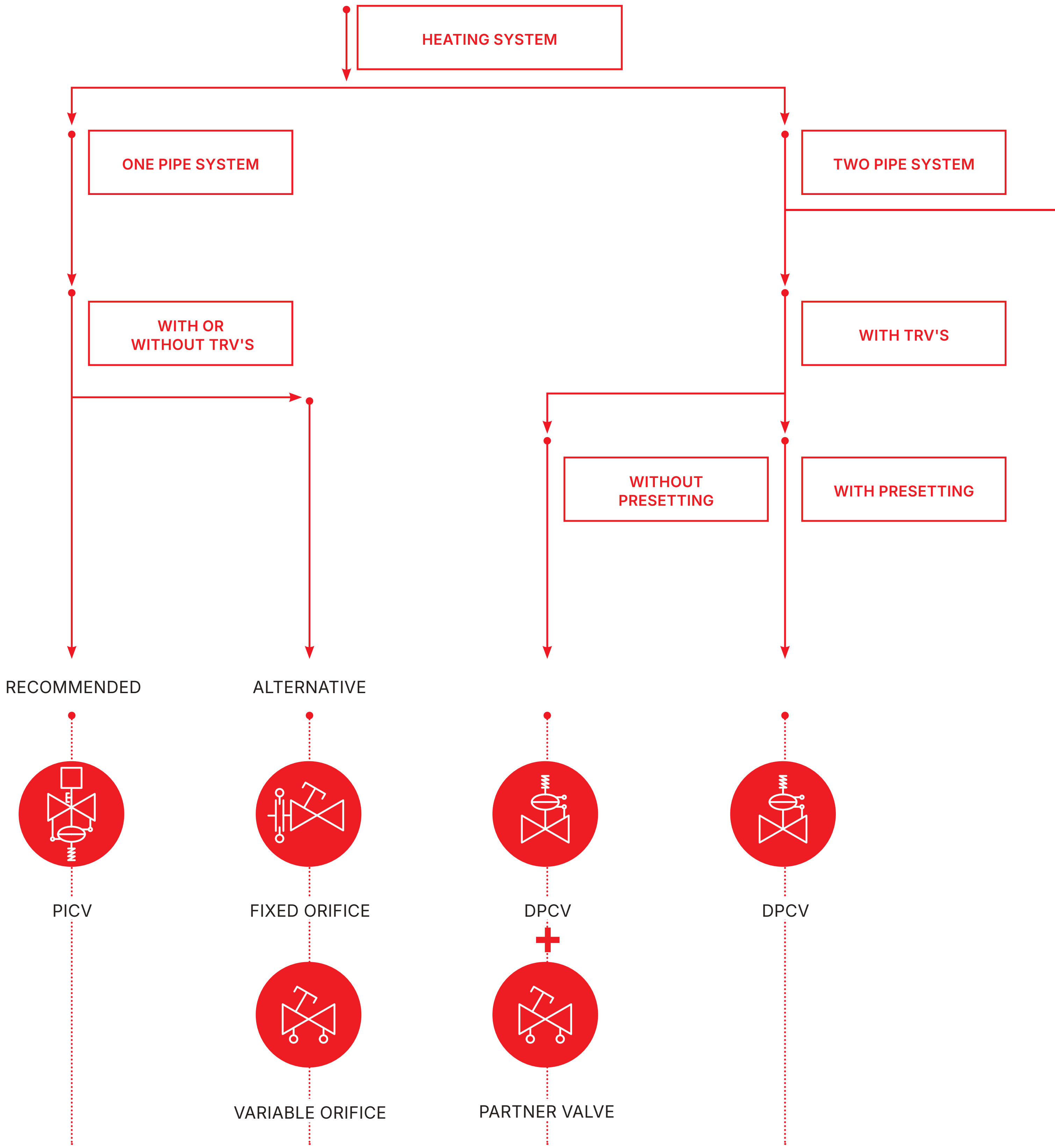
Chapter 2

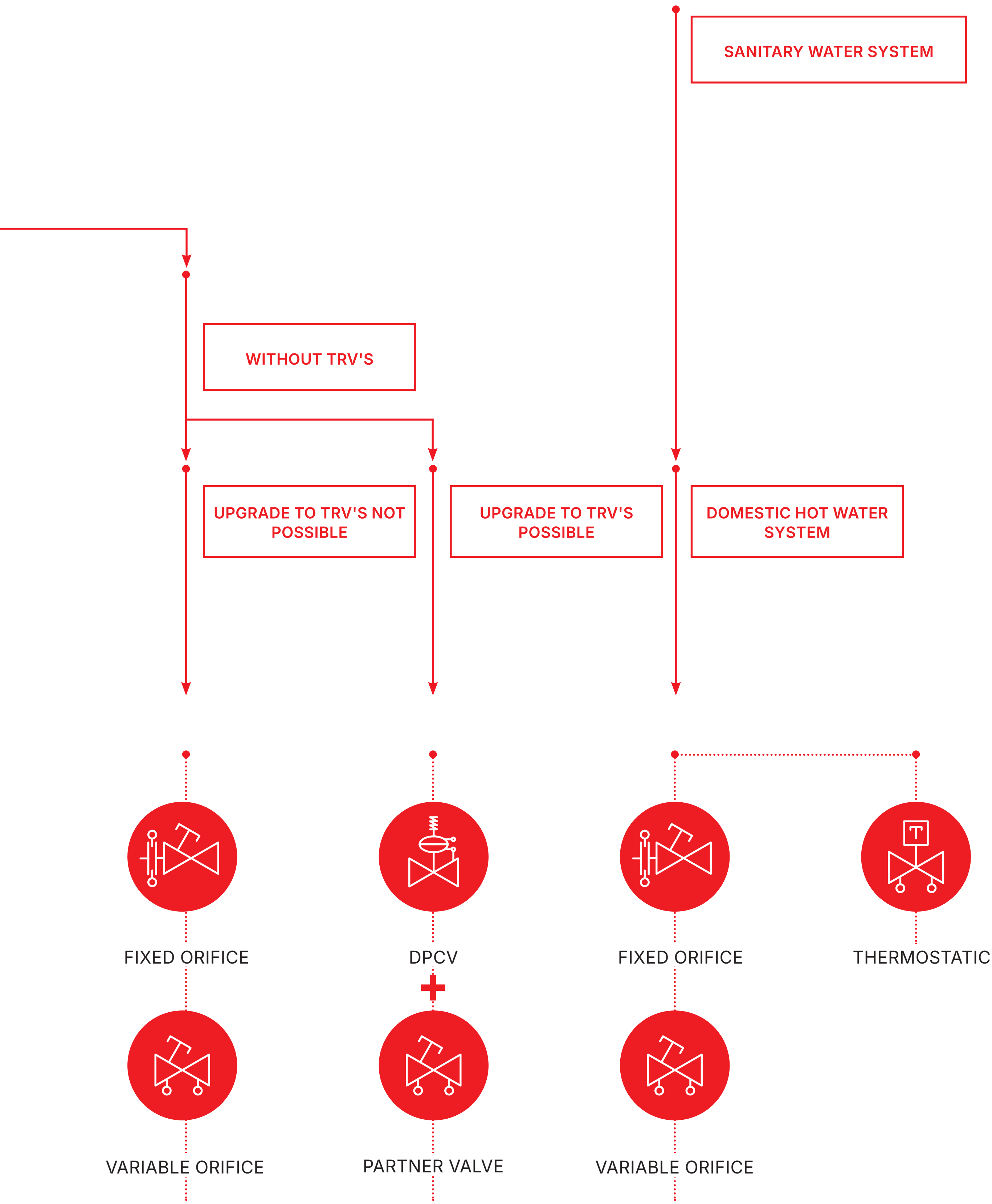
Balancing valves



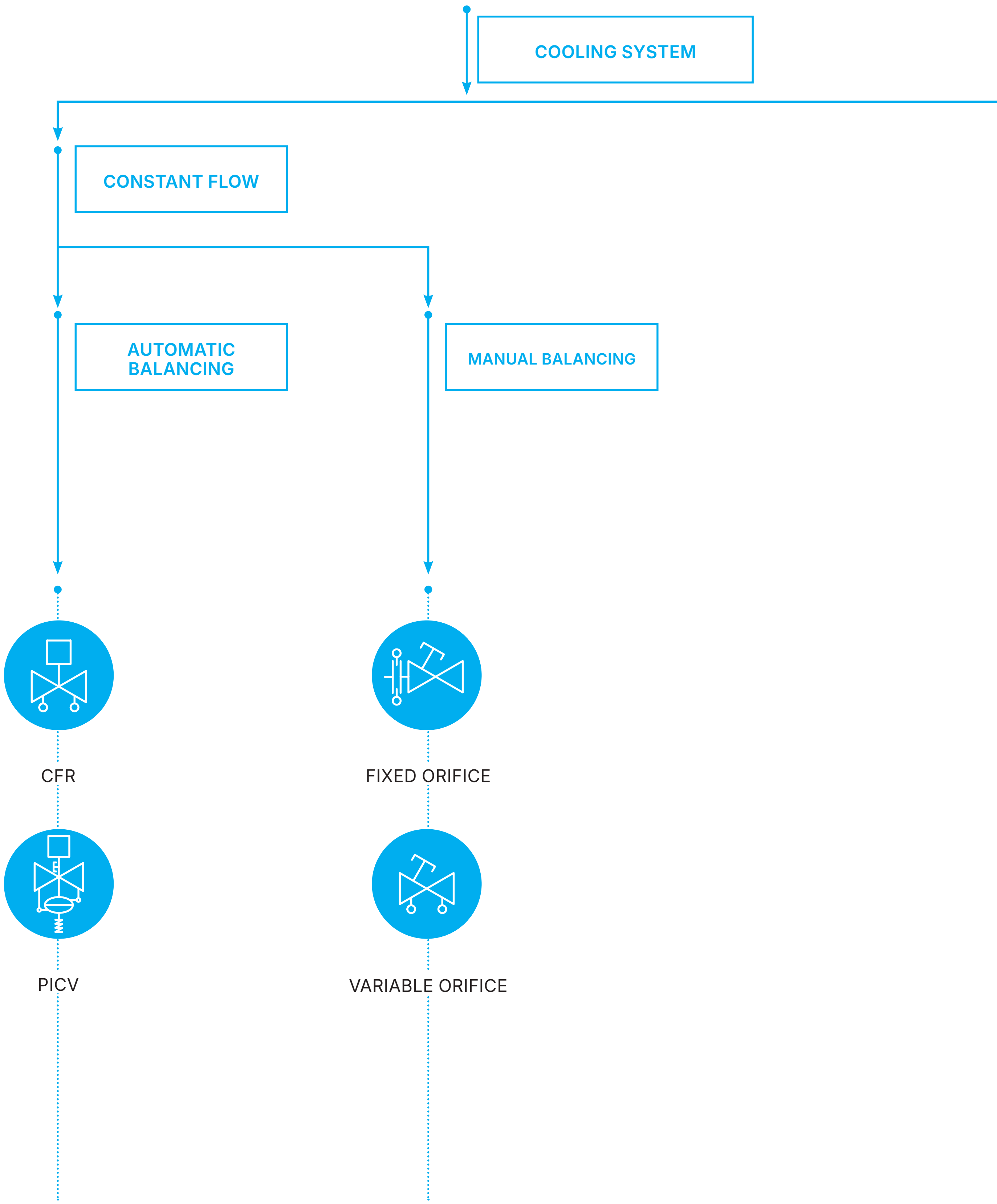
technological **valve** solutions

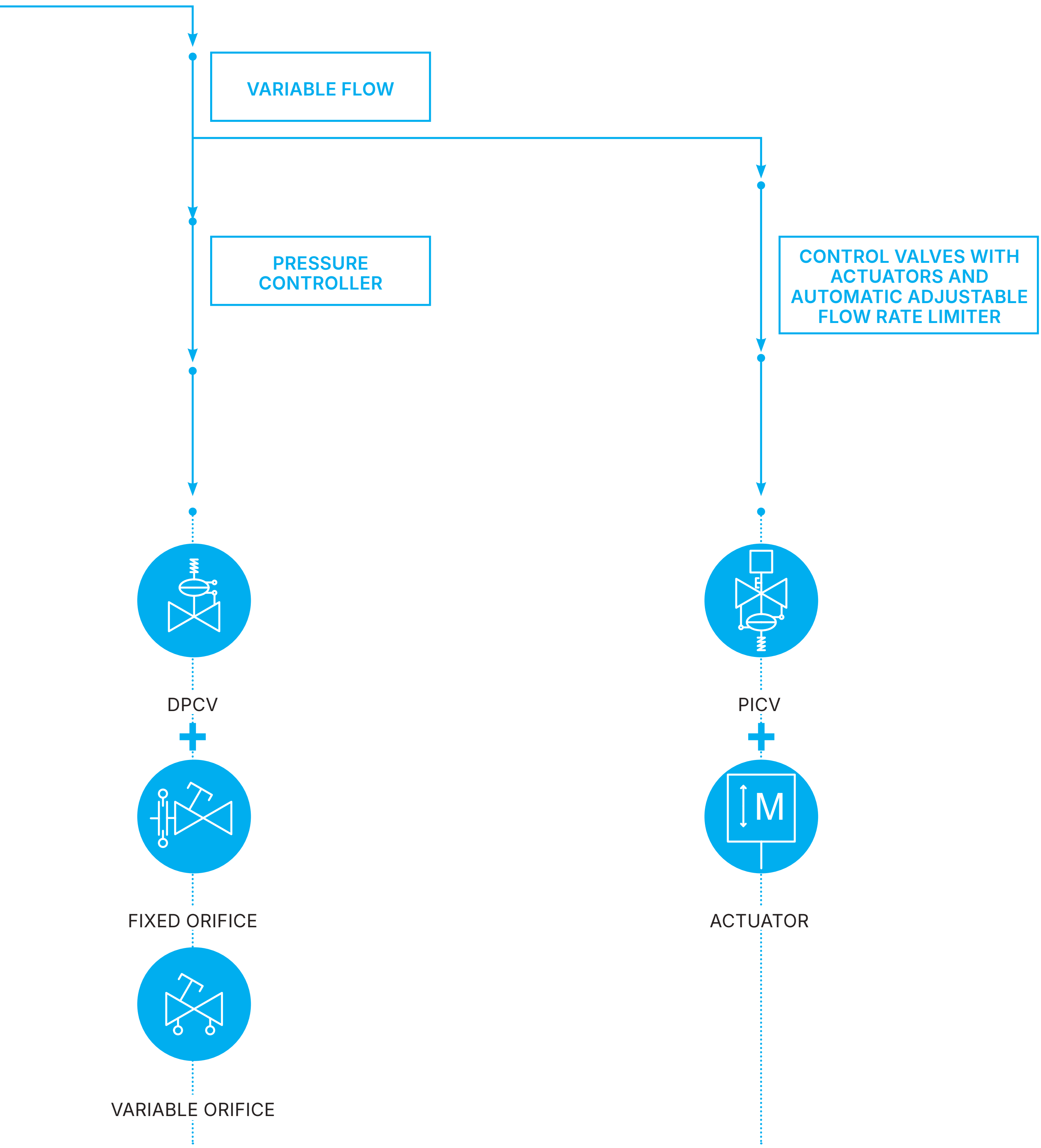
Recommended solution for
Heating systems




SANITARY WATER SYSTEM
WITHOUT TRV'S
UPGRADE TO TRV'S NOT POSSIBLE
UPGRADE TO TRV'S POSSIBLE
DOMESTIC HOT WATER SYSTEM
FIXED ORIFICE
DPCV
FIXED ORIFICE
THERMOSTATIC
VARIABLE ORIFICE
PARTNER VALVE
VARIABLE ORIFICE

Recommended solution for
Cooling systems




VARIABLE FLOW
PRESSURE CONTROLLER
CONTROL VALVES WITH ACTUATORS AND AUTOMATIC ADJUSTABLE FLOW RATE LIMITER
DPCV
PICV
FIXED ORIFICE
ACTUATOR
M
VARIABLE ORIFICE

The importance of flow regulation:

The possible consequences of inaccurate flow rate regulation are as follows:

Failure to achieve design temperature:

Terminals receiving excessively inadequate flow rate may not deliver their intended amounts of heating or cooling.
This means that the areas they serve may fail to reach design temperature under peak load conditions.

Waste of energy:

A system with poor flow rate balancing will heat up or cool down unevenly i.e. The areas lacking flow rate will take much longer to reach their design temperature than areas which have excess flow rate.

This means that the whole system will have to operate for longer periods in order to ensure that design temperature is achieved during the operating periods.

Noise, erosion or air and dirt blockages:

Unbalanced systems will have areas with excess flow rate and areas with reduced flow rate.
An Excessive flow rate may cause noise and erosion of system components. On the other hand, reduced flow rate may cause dirt particles to settle or the formation of air bubbles.

Poor control valve response:

Modulating control valves may be unable to properly monitor the circuits if these start off with too much or too little flow rate.
In a circuit with an excessive flow rate, the first part of the control valve's performance is wasted by returning the flow rate back to its design value. In a circuit receiving inadequate flow rate, the action of the control valve may cause a dramatic drop in heat transfer, and hence leads to a continuous on/off switching.

Balanced system:

The high performance, measurement accuracy and easy installation of Cimberio balancing valves ensure that each terminal unit will receive the intended amount of heating or cooling, in order to reach its best performance.

This will also ensure a constant temperature to all areas of the building, with reduced energy consumption. Moreover, in case of problems during use or installation, the Cimberio balancing valves will allow the technicians to find out the position and the causes of the problem.

Balancing devices:

A wide variety of pipeline devices are available in Cimberio balancing valves range to either improve system performance or facilitate commissioning.
Different technologies provide the following functions:

1. Flow rate Regulation
2. Flow rate Measurement
3. Differential pressure control
4. Flow rate Modulation
5. Flow rate shut off

These functions can be achieved in pipework systems by a wide range of specialised valves. It is possible to classify these valves into two categories, according to their functioning: manually operated or self- acting.

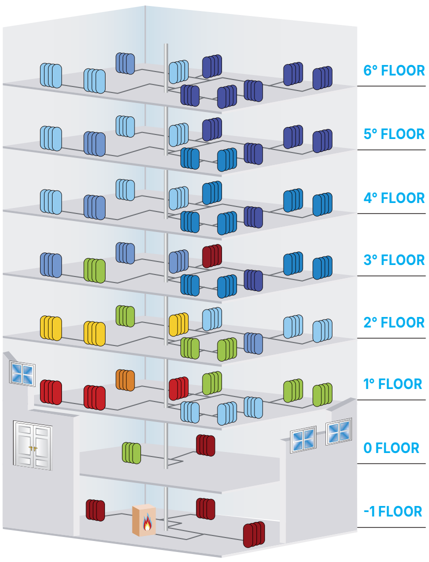
A manually operated valve has to be manually adjusted in order to vary its resistance:

- Fixed orifice balancing valves (Function 1; 2; 5)
- Variable orifice balancing valves (Function 1; 2; 5)
- Metering stations (Function 2)

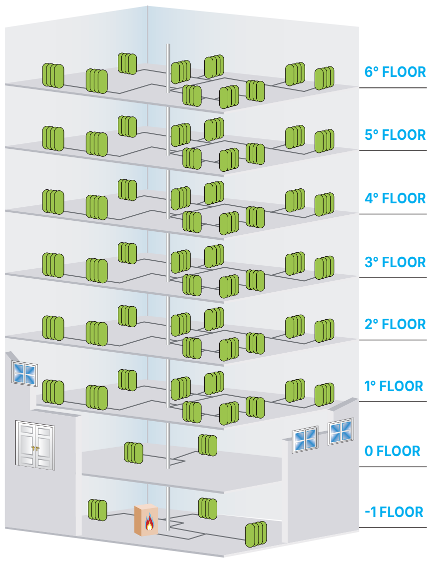
A self-acting valve will automatically vary its resistance, just as the system is operating, in order to conform to the particular operating conditions:

- Constant flow rate regulator (Function 1; 2; 5)
- Pressure independent control valves - PICV (Function 1; 2; 4; 5)
- Differential pressure control valves - DPCV (Function 1; 2; 3)

The balancing valves with shut off function may perform these functions without needing any additional isolating valves, and this leads to an easier and more fluid installation.



IMBALANCED SYSTEM



BALANCED SYSTEM

cim® 727

Static balancing valve - Brass CC770S - PN 20 - Nylon 6 handle

CODE	SIZE		
727-1002	1/2"L	15	60
727-1015	1/2"	15	60
727-1020	3/4"	10	40
727-1025	1"	8	32
727-1032	1"1/4	4	16
727-1040	1"1/2	2	8
727-1050	2"	2	8

cim® 727OT

Static balancing valve - Brass CC754S - PN 20 - Nylon 6 handle

CODE	SIZE		
727OT-1015	1/2"	15	60
727OT-1020	3/4"	10	40
727OT-1025	1"	8	32
727OT-1032	1"1/4	4	16
727OT-1040	1"1/2	2	8
727OT-1050	2"	2	8

cim® 727PRF

Static balancing valve - Brass CC770S - PN 20 - Nylon 6 handle - Press fitting/Press fitting

CODE	SIZE		
727PRF-5015	15 × 15	5	20
727PRF-5022	22 × 22	4	16
727PRF-5028	28 × 28	2	8
727PRF-5035	35 × 35	2	8
727PRF-5042	42 × 42	1	4
727PRF-5054	54 × 54	1	4

cim® 727OTPRF

Static balancing valve - Brass CC754S - PN 20 - Nylon 6 handle - Press fitting/Press fitting

CODE	SIZE		
727OTPRF-5015	15 × 15	1	10
727OTPRF-5022	22 × 22	4	16
727OTPRF-5028	28 × 28	2	8
727OTPRF-5035	35 × 35	1	5
727OTPRF-5042	42 × 42	1	5
727OTPRF-5054	54 × 54	1	5

cim® 737

Static balancing valve - Brass CC770S - PN 20 - Nylon 6 handle - With metering station

CODE	SIZE		
737-1001	1/2" UL	5	20
737-1002	1/2" L	5	20
737-1003	1/2" ML	5	20
737-1005	1/2" MS	5	20
737-1015	1/2"	5	20
737-1020	3/4"	5	20
737-1025	1"	3	12
737-1032	1"1/4	3	12
737-1040	1"1/2	2	8
737-1050	2"	2	4

cim® 737OT

Static balancing valve - Brass CC754S - PN 20 - Nylon 6 handle - With metering station

CODE	SIZE		
737OT-1015	1/2"	5	20
737OT-1020	3/4"	5	20
737OT-1025	1"	3	12
737OT-1032	1"1/4	2	12
737OT-1040	1"1/2	2	8
737OT-1050	2"	2	4

cim® 737PRF

Static balancing valve - Brass CC770S - PN 20 - Nylon 6 handle - With metering station - Press fitting/Press fitting

CODE	SIZE		
737PRF-5015	15 × 15	4	16
737PRF-5022	22 × 22	4	16
737PRF-5028	28 × 28	3	12
737PRF-5035	35 × 35	2	8
737PRF-5042	42 × 42	1	4
737PRF-5054	54 × 54	1	2

cim® 737OTPRF

Static balancing valve - Brass CC754S - PN 20 - Nylon 6 handle - With metering station - Press fitting/Press fitting

CODE	SIZE		
737OTPRF-5015	15 × 15	1	10
737OTPRF-5022	22 × 22	4	16
737OTPRF-5028	28 × 28	2	8
737OTPRF-5035	35 × 35	1	5
737OTPRF-5042	42 × 42	1	5
737OTPRF-5054	54 × 54	1	5

cim® 747

Static balancing valve - Brass CC770S - PN 25 - Nylon 6 handle - Fixed orifice

CODE	SIZE		
747-1015	1/2"	5	20
747-1020	3/4"	4	16
747-1025	1"	4	16
747-1032	1"1/4	3	12
747-1040	1"1/2	2	8
747-1050	2"	2	4

cim® 747OT

Static balancing valve - Brass CC754S - PN 25 - Nylon 6 handle - Fixed orifice

CODE	SIZE		
747OT-1015	1/2"	5	20
747OT-1020	3/4"	4	16
747OT-1025	1"	4	16
747OT-1032	1"1/4	3	12
747OT-1040	1"1/2	2	8
747OT-1050	2"	2	4

cim® 747PRF

Static balancing valve - Brass CC770S - PN 25 - Nylon 6 handle - Fixed orifice - Press fitting/Press fitting

CODE	SIZE		
747PRF-5015	15 × 15	5	20
747PRF-5022	22 × 22	4	16
747PRF-5028	28 × 28	4	16
747PRF-5035	35 × 35	3	12
747PRF-5042	42 × 42	2	4
747PRF-5054	54 × 54	2	4

cim® 747OTPRF

Static balancing valve - Brass CC754S - PN 25 - Nylon 6 handle - Fixed orifice - Press fitting/Press fitting

CODE	SIZE		
747OTPRF-5015	15 × 15	5	20
747OTPRF-5022	22 × 22	4	16
747OTPRF-5028	28 × 28	4	16
747OTPRF-5035	35 × 35	3	12
747OTPRF-5042	42 × 42	2	4
747OTPRF-5054	54× 54	2	4

cim® 787

Static balancing valve - Brass CW511L (1/2" ÷ 1") - Brass CW602 (1"1/4 ÷ 2") - PN 25 - Nylon 6 handle - Variable orifice

CODE	SIZE		
787-1015	1/2"	1	15
787-1020	3/4"	1	15
787-1025	1"	1	15
787-1032	1"1/4	1	10
787-1040	1"1/2	1	10
787-1050	2"	1	8

cim® 787OT

Static balancing valve - Brass CW617N DW - PN 25 - Nylon 6 handle - Variable orifice

CODE	SIZE		
787OT-1015	1/2"	1	15
787OT-1020	3/4"	1	15
787OT-1025	1"	1	15
787OT-1032	1"1/4	1	10
787OT-1040	1"1/2	1	10
787OT-1050	2"	1	10

cim® 787PRF

Static balancing valve - Brass CW511L (15×15 ÷ 28×28) - Brass CW602 (35 × 35 ÷ 54 × 54) - PN 25 - Nylon 6 handle - Variable orifice - Press fitting/Press fitting

CODE	SIZE		
787PRF-5015	15 × 15	1	10
787PRF-5022	22 × 22	2	16
787PRF-5028	28 × 28	2	8
787PRF-5035	35 × 35	1	5
787PRF-5042	42 × 42	1	5
787PRF-5054	54 × 54	1	5

cim® 787-2NYL

Static balancing valve - Brass CW511L (1/2" ÷ 1") - Brass CW602 (1"1/4 ÷ 2") - PN 25 - Nylon 6 handle - Variable orifice - With nylon plugs

CODE	SIZE		
787-2NYL-1015	1/2"	1	15
787-2NYL-1020	3/4"	1	15
787-2NYL-1025	1"	1	15
787-2NYL-1032	1"1/4	1	10
787-2NYL-1040	1"1/2	1	10
787-2NYL-1050	2"	1	10

cim® 786OT

Static balancing valve - Brass CW617N DW - PN 25 - Nylon 6 handle - Variable orifice

CODE	SIZE		
786OT-1015	1/2"	1	15
786OT-1020	3/4"	1	15
786OT-1025	1"	1	10
786OT-1032	1"1/4	1	15
786OT-1040	1"1/2	1	10
786OT-1050	2"	1	8

cim® 786OTPRF

Static balancing valve - Brass CW617N DW - PN 25 - Nylon 6 handle - Variable orifice - Press fitting/Press fitting

CODE	SIZE		
786OTPRF-5015	15 × 15	1	15
786OTPRF-5022	22 × 22	1	15
786OTPRF-5028	28 × 28	1	10
786OTPRF-5035	35 × 35	1	10
786OTPRF-5042	42 × 42	1	8
786OTPRF-5054	54 × 54	1	8

cim® 786OT2OT

Static balancing valve - Brass CW617N DW - PN 25 - Nylon 6 handle - Variable orifice - With brass plugs

CODE	SIZE		
786OT2OT-1015	1/2"	1	15
786OT2OT-1020	3/4"	1	15
786OT2OT-1025	1"	1	10
786OT2OT-1032	1"1/4	1	10
786OT2OT-1040	1"1/2	1	8
786OT2OT-1050	2"	1	5

cim® 786OT2NYL

Static balancing valve - Brass CW617N DW - PN 25 - Nylon 6 handle - Variable orifice - With Nylon plugs

CODE	SIZE		
786OT2NYL-1015	1/2"	1	15
786OT2NYL-1020	3/4"	1	15
786OT2NYL-1025	1"	1	15
786OT2NYL-1032	1"1/4	1	10
786OT2NYL-1040	1"1/2	1	8
786OT2NYL-1050	2"	1	5

cim® 746

Static balancing valve - Brass CW602 - PN 25 - Nylon 6 handle - Fixed orifice

CODE	SIZE		
746-1002	1/2" L	1	15
746-1003	1/2" ML	1	15
746-1015	1/2"	1	15
746-1020	3/4"	1	15
746-1025	1"	1	10
746-1032	1"1/4	1	10
746-1040	1"1/2	1	10
746-1050	2"	1	8

cim® 746PRF

Static balancing valve - Brass CW602 - PN 25 - Nylon 6 handle - Fixed orifice - Press fitting/Press fitting

CODE	SIZE		
746PRF-5015	15 × 15	1	10
746PRF-5022	22 × 22	1	10
746PRF-5028	28 × 28	1	10
746PRF-5035	35 × 35	1	8
746PRF-5042	42 × 42	2	8
746PRF-5054	54 × 54	2	8

cim® 746-2OT

Static balancing valve - Brass CW602 - PN 25 - Nylon 6 handle - Fixed orifice - With brass plugs

CODE	SIZE		
746-2OT-1015	1/2"	1	15
746-2OT-1020	3/4"	1	15
746-2OT-1025	1"	1	10
746-2OT-1032	1"1/4	1	10
746-2OT-1040	1"1/2	1	8
746-2OT-1050	2"	1	8

cim® 746-2NYL

Static balancing valve - Brass CW602 - PN 25 - Nylon 6 handle - Fixed orifice - With Nylon plugs

CODE	SIZE		
746-2NYL-1015	1/2"	1	15
746-2NYL-1020	3/4"	1	15
746-2NYL-1025	1"	1	10
746-2NYL-1032	1"1/4	1	10
746-2NYL-1040	1"1/2	1	10
746-2NYL-1050	2"	1	8

cim® 788-4

Control and static balancing valve - Brass CW511L - PN 25 - Nylon 6 plug - Variable orifice - With actuator fitting

CODE	SIZE		
788-4-1015	1/2"	1	15
788-4-1020	3/4"	1	15
788-4-1025	1"	1	15

cim® 7850T

Static balancing valve - Brass CW617N DW - PN 20 - ABS handle

CODE	SIZE		
7850T-1015	1/2"	40	160

cim® 3739B

Static balancing valve - Cast iron EN JL1040 - PN 16 - Nylon 6 handle - Variable orifice - Flanged PN 16

CODE	SIZE		
3739B-8040	DN 40	-	1
3739B-8050	DN 50	-	1
3739B-8065	DN 65	-	1
3739B-8080	DN 80	-	1
3739B-8100	DN 100	-	1
3739B-8125	DN 125	-	1
3739B-8150	DN 150	-	1
3739B-8200	DN 200	-	1
3739B-8250	DN 250	-	1
3739B-8300	DN 300	-	1

cim® 3739C

Static balancing valve - Cast iron EN GJL250 - PN 16 - Nylon 6 handle - Variable orifice - Flanged PN 16

CODE	SIZE		
3739C-8040	DN 40	1	1
3739C-8050	DN 50	1	1
3739C-8065	DN 65	1	1
3739C-8080	DN 80	1	1
3739C-8100	DN 100	1	1
3739C-8125	DN 125	1	1
3739C-8150	DN 150	1	1
3739C-8200	DN 200	1	1

cim® 3739G

Static balancing valve - Cast iron EN JL1040 - PN 16 - Nylon 6 handle - Variable orifice - Groove

CODE	SIZE		
3739G-8040	DN 40	-	1
3739G-8050	DN 50	-	1
3739G-8065	DN 65	-	1
3739G-8080	DN 80	-	1
3739G-8100	DN 100	-	1
3739G-8125	DN 125	-	1
3739G-8150	DN 150	-	1
3739G-8200	DN 200	-	1
3739G-8250	DN 250	-	1
3739G-8300	DN 300	-	1

cim® 721

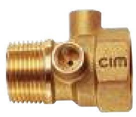
Metering station - Brass CW602 - PN 16

CODE	SIZE		
721-0999	1/2" UUL	20	-
721-1000	1/2" ULL	50	200
721-1001	1/2" UL	50	-
721-1002	1/2" L	50	-
721-1004	1/2" M	50	-
721-1015	1/2"	50	-
721-1020	3/4"	30	-
721-1025	1"	30	-
721-1032	1"1/4	20	-
721-1040	1"1/2	15	-
721-1050	2"	10	-

cim® 722

Metering station - Brass CW602 - PN 16 - Without test points

CODE	SIZE		
722-0999	1/2" UUL	20	80
722-1000	1/2" ULL	50	200
722-1001	1/2" UL	50	100
722-1002	1/2" L	50	200
722-1004	1/2" M	50	200
722-1015	1/2"	50	200
722-1020	3/4"	40	160
722-1025	1"	30	120
722-1032	1"1/4	20	80
722-1040	1"1/2	15	60
722-1050	2"	10	40



cim® 3723B

Metering station - AISI 304 - PN 16 - For flanges PN 16

CODE	SIZE		
3723B-8050	DN 50	1	4
3723B-8065	DN 65	1	4
3723B-8080	DN 80	1	4
3723B-8100	DN 100	1	4
3723B-8125	DN 125	1	4
3723B-8150	DN 150	1	4
3723B-8200	DN 200	1	2
3723B-8250	DN 250	1	2
3723B-8300	DN 300	1	1

cim® 3690

Static balancing valve - Steel EN 10217.7 (1.0345) - PN 16 - Steel lever handle - Characterized ball - Flanged PN 16

CODE	SIZE		
3690-8065	DN 65	1	4
3690-8080	DN 80	1	4
3690-8100	DN 100	1	4
3690-8125	DN 125	1	4
3690-8150	DN 150	-	1
3690-8200	DN 200	-	1
3690-8250	DN 250	-	-
3690-8300	DN 300	-	-

cim® 3690W

Static balancing valve - Steel EN 10217.7 (1.0345) - PN 16 - Steel lever handle - Characterized ball - Welded end

CODE	SIZE		
3690W-8065	DN 65	1	4
3690W-8080	DN 80	1	4
3690W-8100	DN 100	1	4
3690W-8125	DN 125	1	4
3690W-8150	DN 150	-	1
3690W-8200	DN 200	-	-
3690W-8250	DN 250	-	-
3690W-8300	DN 300	-	-

cim® 3690WSS

Static balancing valve - Stainless steel EN 10217.7 (1.4404) - PN 16 - Steel lever handle - Characterized ball - Welded end

CODE	SIZE		
3690WSS-8065	DN 65	1	4
3690WSS-8080	DN 80	1	4
3690WSS-8100	DN 100	1	4
3690WSS-8125	DN 125	1	4
3690WSS-8150	DN 150	-	1
3690WSS-8200	DN 200	-	-
3690WSS-8250	DN 250	-	-
3690WSS-8300	DN 300	-	-

cim® 3690SS

Static balancing valve - Stainless steel EN 10217.7 (1.4404) - PN 16 - Steel lever handle - Characterized ball - Flanged PN 16

CODE	SIZE		
3690SS-8065	DN 65	1	4
3690SS-8080	DN 80	1	4
3690SS-8100	DN 100	1	1
3690SS-8125	DN 125	1	4
3690SS-8150	DN 150	-	1
3690SS-8200	DN 200	-	-
3690SS-8250	DN 250	-	-
3690SS-8300	DN 300	-	-

cim® 718LP

Dynamic balancing valve - Brass CW602 - PN 25 - Nylon 6 handle - DPCV - Low pressure - 5 ÷ 30 kPa

CODE	SIZE		
718LP-1015	1/2"	1	15
718LP-1020	3/4"	1	15
718LP-1025	1"	1	15

cim® 718HP

Dynamic balancing valve - Brass CW602 - PN 25 - Nylon 6 handle - DPCV - High pressure - 20 ÷ 60 kPa

CODE	SIZE		
718HP-1015	1/2"	1	-
718HP-1020	3/4"	1	-
718HP-1025	1"	1	-

cim® 718L787DP

Dynamic balancing valve - Brass CW602 - PN 25 - Nylon 6 handle - DPCV - Low pressure - With combined static valve - 5 ÷ 30 kPa

CODE	SIZE		
718L787DP-1015	1/2"	1	4
718L787DP-1020	3/4"	1	4
718L787DP-1025	1"	1	4

cim® 718H787DP

Dynamic balancing valve - Brass CW602 - PN 25 - Nylon 6 handle - DPCV - High pressure - With combined static valve - 20 ÷ 60 kPa

CODE	SIZE		
718H787DP-1015	1/2"	1	10
718H787DP-1020	3/4"	1	10
718H787DP-1025	1"	1	5

cim® 718MLP

Dynamic balancing valve - Brass CW602 - PN 25 - Nylon 6 handle - DPCV - Low pressure - 5 ÷ 30 kPa

CODE	SIZE		
718MLP-1020	3/4"	1	10
718MLP-1025	1"	1	10

cim® 718MHP

Dynamic balancing valve - Brass CW602 - PN 25 - Nylon 6 handle - DPCV - High pressure - 20 ÷ 60 kPa

CODE	SIZE		
718MHP-1020	3/4"	1	15
718MHP-1025	1"	1	15

cim® 767HP

Dynamic balancing valve - Brass CW602 - PN 16 - DPCV - High pressure - 20 ÷ 80 kPa

CODE	SIZE		
767HP-1032	1"1/4	1	8
767HP-1040	1"1/2	1	4
767HP-1050	2"	1	4

cim® 787DP

Static balancing valve - Brass CW511L (1/2" ÷ 1") - Brass CW602 (1"1/4 ÷ 2") - PN 25 - Nylon 6 handle - Variable Orifice - With fitting for capillary tube

CODE	SIZE		
787DP-1015	1/2"	1	15
787DP-1020	3/4"	1	15
787DP-1025	1"	1	10
787DP-1032	1"1/4	1	10
787DP-1040	1"1/2	1	8
787DP-1050	2"	1	8

cim® 767H787DP

Dynamic balancing valve - Brass CW602 - PN 16 - DPCV - High pressure - With combined static valve - 20 ÷ 80 kPa

CODE	SIZE		
767H787DP-0393	1"1/4	1	4
767H787DP-0394	1"1/2	1	4
767H787DP-0395	2"	1	4

cim® 787OTDP

Static balancing valve - Brass CW617N DW - PN 25 - Nylon 6 handle - Fixed orifice - With fitting for capillary tube - With combined static valve

CODE	SIZE		
787OTDP-1015	1/2"	1	10
787OTDP-1020	3/4"	1	10
787OTDP-1025	1"	1	10
787OTDP-1032	1"1/4	1	6
787OTDP-1040	1"1/2	1	8
787OTDP-1050	2"	1	4

cim® 717LF

Dynamic balancing valve - Brass CW602 - PN 25 - PICV - Low flow rate

CODE	SIZE		
717LF-1014	1/2" - DN 10	1	15
717LF-1021	3/4" - DN 15	1	15

cim® 717HF

Dynamic balancing valve - Brass CW602 - PN 25 - PICV - High flow rate

CODE	SIZE		
717HF-1014	1/2" - DN 10	1	15
717HF-1021	3/4" - DN 15	1	15
717HF-1026	1" - DN 20	1	15
717HF-1033	1"1/4 - DN 25	1	10

cim® 717PLF

Dynamic balancing valve - Brass CW602 - PN 25 - PICV - Low flow rate - With Nylon plugs

CODE	SIZE		
717PLF-1014	1/2" - DN 10	1	15
717PLF-1021	3/4" - DN 15	1	15

cim® 717PHF

Dynamic balancing valve - Brass CW602 - PN 25 - PICV - High flow rate - With Nylon plugs

CODE	SIZE		
717PHF-1014	1/2" - DN 10	1	15
717PHF-1021	3/4" - DN 15	1	15
717PHF-1026	1" - DN 20	1	15
717PHF-1033	1"1/4 - DN 25	1	10

cim® 776HF

Dynamic balancing valve - Brass CW602 - PN 25 - PICV - High flow rate

CODE	SIZE		
776HF-1032	1"1/4	1	8
776HF-1040	1"1/2	1	4
776HF-1050	2"	1	4

cim® 707UF

Dynamic balancing valve - Brass CW617N DW - PN 16 - PICV for manifolds

CODE	SIZE		
707UF-MT15-0000	-	150	300
707UF-TA15-0000	-	150	600

cim® 778

Dynamic balancing valve - Brass CW511L - PN 25 - Thermostatic for sanitary circuits - With 'antilegionella' bypass

CODE	SIZE		
778-1015	1/2"	1	15
778-1020	3/4"	1	15
778-1025	1"	1	15

cim® 999CS

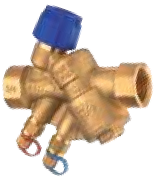
Bimetallic temperature gauge with 1/4" sheath

CODE	SIZE		
999CS-1008	1/4"	50	200

cim® 795

Dynamic balancing valve - Brass CW602 - PN 25 - Flow rate stabilizer - With actuator fitting - With cartridge

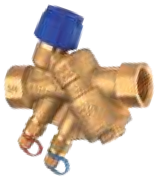
CODE	SIZE		
795-1015	1/2"	1	10
795-1020	3/4"	1	10
795-1025	1"	1	103



cim® 795B

Dynamic balancing valve - Brass CW602 - PN 25 - Balancing valve - With actuator fitting - Without cartridge

CODE	SIZE		
795B-1015	1/2"	1	10
795B-1020	3/4"	1	10
795B-1025	1"	1	10



cim® 790KPA350

Dynamic balancing valve - Brass CW602 - PN 25 - Flow rate stabilizer - With cartridge

CODE	SIZE		
790 + Cod. cartridge	1/2"	1	15
790 + Cod. cartridge	3/4"	1	15
790 + Cod. cartridge	1"	1	15
790 + Cod. cartridge	1"L	1	10
790 + Cod. cartridge	1"1/4	1	10
790 + Cod. cartridge	1"1/2	1	10
790 + Cod. cartridge	2"	1	4

cim® 790KPA600

Dynamic balancing valve - Brass CW602 - PN 25 - Flow rate stabilizer - With cartridge

CODE	SIZE		
790 + Cod. cartridge	1/2"	1	15
790 + Cod. cartridge	3/4"	1	15
790 + Cod. cartridge	1"	1	15
790 + Cod. cartridge	1"L	1	10
790 + Cod. cartridge	1"1/4	1	10
790 + Cod. cartridge	1"1/2	1	10
790 + Cod. cartridge	2"	1	4

cim® 790B

Dynamic balancing valve - Brass CW602 - PN 25 - Flow rate stabilizer - Without cartridge

CODE	SIZE		
790B-8015	DN 15	1	15
790B-8020	DN 20	1	15
790B-8025	DN 25	1	15
790B-8032	DN 32	1	10
790B-8040	DN 40	1	10
790B-8050	DN 50	1	10

cim® 3790

Dynamic balancing valve - Cast iron GGG40 - PN 16 - Without cartridges - Flanged PN 16 - Wafer

CODE	SIZE		
3790-8050	DN 50	1	4
3790-8065	DN 65	1	4
3790-8080	DN 80	2	8
3790-8100	DN 100	1	2
3790-8125	DN 125	1	2
3790-8150	DN 150	-	1
3790-8200	DN 200	-	1
3790-8250	DN 250	-	1
3790-8300	DN 300	-	1
3790-8350	DN 350	-	1
3790-8400	DN 400	-	1
3790-8450	DN 450	-	1
3790-8500	DN 500	-	1
3790-8600	DN 600	-	1
3790-8800	DN 800	-	1

cim® 3790B

Dynamic balancing valve - Cast iron GGG40 - PN 16 - Flow rate stabilizer - Flanged PN 16 - Wafer

CODE	SIZE		
3790B-8050	DN 50	2	8
3790B-8065	DN 65	1	4
3790B-8080	DN 80	2	8
3790B-8100	DN 100	1	2
3790B-8125	DN 125	1	2
3790B-8150	DN 150	1	-
3790B-8200	DN 200	1	2

Cartridges for valves from DN 15 up to DN 25 (0,007 l/s ÷ 0,680 l/s)

Technical data:

The cartridges are available with two maximum pressure levels:

- Low pressure up to 350KPa made of "**CR**" brass (i.e. **Cim CA1210**)
- High pressure up to 600 KPa made of nickel plated "**CR**" brass (i.e. **Cim CA1210H**)
- Operating temperature: -20°C up to 120°C

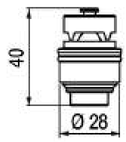
Compatible Actuators Cim 795:

	EMV311-NC 230	EMV311-NC 24	EMV311-NO 230	EMV311-NO 24
Code	**EMV311-NC 230-0000**	**EMV311-NC 24-0000**	**EMV311-NO 230-0000**	**EMV311-NO 24-0000**
Type	Thermoelectric			
Voltage	230 V AC	24 V AC/DC	230 V AC	24 V AC/DC
Control	ON/OFF - NC		ON/OFF - NO	
Force	160 N			
Stroke	4,5 mm			

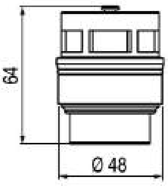
Code (max 350KPa)	cod. (max 600KPa)	Flow rate (l/s)	Flow rate (l/h)	Flow rate (gpm)	Min Dp (KPa)	Kv
Cim CA1150		0,007	25	0,11	7	**0,09**
Cim CA1170		0,01	35	0,15	7	**0,14**
Cim CA1190		0,012	46	0,20	7	**0,16**
Cim CA1210	**Cim CA1210 H**	0,015	55	0,24	7	**0,21**
Cim CA1230	**Cim CA1230 H**	0,021	75	0,33	8	**0,27**
Cim CA1260	**Cim CA1260 H**	0,023	84	0,37	9	**0,28**
Cim CA1290	**Cim CA1290 H**	0,029	104	0,46	10	**0,33**
Cim CA1300	**Cim CA1300 H**	0,032	114	0,50	10	**0,36**
Cim CA1320	**Cim CA1320 H**	0,036	129	0,57	11	**0,39**
Cim CA1350	**Cim CA1350 H**	0,043	154	0,68	11	**0,46**
Cim CA1370	**Cim CA1370 H**	0,049	175	0,77	12	**0,51**
Cim CA1400	**Cim CA1400 H**	0,057	204	0,90	12	**0,59**
Cim CA1430	**Cim CA1430 H**	0,067	241	1,06	12	**0,70**
Cim CA1460	**Cim CA1460 H**	0,078	279	1,23	12	**0,81**
Cim CA1490	**Cim CA1490 H**	0,089	320	1,41	13	**0,89**
Cim CA1510	**Cim CA1510 H**	0,097	350	1,54	13	**0,97**
Cim CA1540	**Cim CA1540 H**	0,111	400	1,76	13	**1,11**
Cim CA1570	**Cim CA1570 H**	0,132	477	2,10	14	**1,27**
Cim CA1620	**Cim CA1620 H**	0,151	545	2,40	14	**1,46**
Cim CA1725	**Cim CA1725 H**	0,171	615	2,71	14	**1,64**
Cim CA1730	**Cim CA1730 H**	0,186	670	2,95	14	**1,79**
Cim CA1735	**Cim CA1735 H**	0,204	736	3,24	14	**1,97**
Cim CA1740	**Cim CA1740 H**	0,222	799	3,52	16	**2,00**
Cim CA1745	**Cim CA1745 H**	0,242	870	3,83	19	**2,00**
Cim CA1750	**Cim CA1750 H**	0,260	936	4,12	21	**2,01**
Cim CA2070	**Cim CA2070 H**	0,283	1020	4,49	22	**2,17**
Cim CA2074	**Cim CA2074 H**	0,300	1081	4,76	22	**2,30**
Cim CA2077	**Cim CA2077 H**	0,332	1195	5,26	22	**2,55**
Cim CA2082	**Cim CA2082 H**	0,371	1335	5,88	23	**2,78**
Cim CA2086	**Cim CA2086 H**	0,412	1483	6,53	23	**3,09**
Cim CA2088	**Cim CA2088 H**	0,439	1581	6,96	23	**3,30**
Cim CA2092	**Cim CA2092 H**	0,493	1774	7,81	24	**3,62**
Cim CA2094	**Cim CA2094 H**	0,509	1833	8,07	24	**3,74**
Cim CA2099	**Cim CA2099 H**	0,578	2080	9,16	25	**4,16**
Cim CA2103	**Cim CA2103 H**	0,625	2251	9,91	26	**4,41**
Cim CA2106	**Cim CA2106 H**	0,644	2319	10,21	27	**4,46**
Cim CA2109	**Cim CA2109 H**	0,680	2448	10,78	28	**4,63**

Cartridges for valves from DN 25L up to DN 50 (0,187 l/s ÷ 3,154 l/s)

With
cim® 790
DN 15 / 20 / 25
Use cartridge
from 0.007 l/s to 0.680 l/s
25 l/h - 2448 l/h



With
cim® 790
DN 25L / 40 / 50
Use cartridge
from 0.188 l/s to 3.154 l/s
674 l/h - 11355 l/h



Code (max 350KPa)	cod. (max 600KPa)	Flow rate (l/s)	Flow rate (l/h)	Flow rate (gpm)	Min Dp (KPa)	Kv
Cim CA3073	**Cim CA3073 H**	0,187	674	2,97	12	**1,95**
Cim CA3082	**Cim CA3082 H**	0,239	861	3,79	12	**2,49**
Cim CA3089	**Cim CA3089 H**	0,283	1020	4,49	12	**2,94**
Cim CA3094	**Cim CA3094 H**	0,315	1136	5,00	12	**3,28**
Cim CA3096	**Cim CA3096 H**	0,331	1190	5,24	12	**3,44**
Cim CA3098	**Cim CA3098 H**	0,353	1272	5,60	13	**3,53**
Cim CA3102	**Cim CA3102 H**	0,375	1349	5,94	13	**3,74**
Cim CA3107	**Cim CA3107 H**	0,413	1485	6,54	13	**4,12**
Cim CA3111	**Cim CA3111 H**	0,435	1567	6,90	14	**4,19**
Cim CA3112	**Cim CA3112 H**	0,453	1631	7,18	14	**4,36**
Cim CA3118	**Cim CA3118 H**	0,504	1815	7,99	14	**4,85**
Cim CA3124	**Cim CA3124 H**	0,556	2001	8,81	15	**5,17**
Cim CA3125	**Cim CA3125 H**	0,568	2044	9,00	16	**5,11**
Cim CA3129	**Cim CA3129 H**	0,603	2171	9,56	16	**5,43**
Cim CA3132	**Cim CA3132 H**	0,631	2271	10,00	17	**5,51**
Cim CA3135	**Cim CA3135 H**	0,661	2380	10,48	17	**5,77**
Cim CA3138	**Cim CA3138 H**	0,694	2498	11,00	18	**5,89**
Cim CA3142	**Cim CA3142 H**	0,733	2639	11,62	18	**6,22**
Cim CA3148	**Cim CA3148 H**	0,797	2871	12,64	19	**6,59**
Cim CA3156	**Cim CA3156 H**	0,886	3191	14,05	21	**6,96**
Cim CA3161	**Cim CA3161 H**	0,946	3407	15,00	22	**7,26**
Cim CA3163	**Cim CA3163 H**	0,968	3486	15,35	22	**7,43**
Cim CA4148	**Cim CA4148 H**	1,009	3635	16,00	20	**8,13**
Cim CA4152	**Cim CA4152 H**	1,023	3681	16,00	21	**8,03**
Cim CA4156	**Cim CA4156 H**	1,136	4090	18,00	21	**8,92**
Cim CA4164	**Cim CA4164 H**	1,199	4315	19,00	21	**9,42**
Cim CA4168	**Cim CA4168 H**	1,262	4540	20,00	22	**9,68**
Cim CA4173	**Cim CA4173 H**	1,325	4770	21,00	22	**10,17**
Cim CA4176	**Cim CA4176 H**	1,388	4995	22,00	23	**10,42**
Cim CA4182	**Cim CA4182 H**	1,514	5450	24,00	24	**11,12**
Cim CA4191	**Cim CA4191 H**	1,640	5905	26,00	25	**11,81**
Cim CA4194	**Cim CA4194 H**	1,816	6539	29,00	26	**12,82**
Cim CA4200	**Cim CA4200 H**	1,893	6815	30,00	27	**13,11**
Cim CA4205	**Cim CA4205 H**	2,019	7265	32,00	28	**13,73**
Cim CA4211	**Cim CA4211 H**	2,145	7720	34,00	30	**14,10**
Cim CA4217	**Cim CA4217 H**	2,271	8175	36,00	31	**14,68**
Cim CA4222	**Cim CA4222 H**	2,397	8630	38,00	33	**15,02**
Cim CA4229	**Cim CA4229 H**	2,523	9085	40,00	34	**15,58**
Cim CA4235	**Cim CA4235 H**	2,650	9540	42,00	36	**15,90**
Cim CA4241	**Cim CA4241 H**	2,776	9990	44,00	38	**16,21**
Cim CA4248	**Cim CA4248 H**	2,902	10445	46,00	40	**16,51**
Cim CA4250	**Cim CA4250 H**	3,028	10900	48,00	42	**16,82**
Cim CA4262	**Cim CA4262 H**	3,154	11355	50,00	44	**17,12**

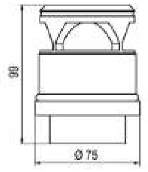
Cartridges for valves from DN 50 up to DN 800 (1,061 l/s ÷ 12,500 l/s)

Technical data:

Cartridges are available in two materials having the same high pressure class up to 600 KPa:

- AISI 304 (e.g. **Cim CA5179H**);
- AISI 316 for high corrosion resistance (e.g. **Cim CA5179HR**) on request
- Operating temperature: from -20°C up to +120°C

With
cim® 3790
DN 50 to DN 800
Use cartridge
from 1.0061 l/s to 12.5 l/s
3820 l/h - 45000 l/h



Code (max 600KPa)	Code (max 600KPa)	Flow rate (l/s)	Flow rate (l/h)	Flow rate (gpm)	Min Dp (KPa)	Kv
Cim CA5179 H	**Cim CA5179 HR**	1,061	3820	16,82	13	**10,6**
Cim CA5184 H	**Cim CA5184 HR**	1,092	3931	17,31	13	**10,9**
Cim CA5189 H	**Cim CA5189 HR**	1,125	4049	17,83	13	**11,2**
Cim CA5194 H	**Cim CA5194 HR**	1,166	4199	18,49	13	**11,7**
Cim CA5200 H	**Cim CA5200 HR**	1,222	4399	19,37	13	**12,2**
Cim CA5206 H	**Cim CA5206 HR**	1,289	4640	20,43	14	**12,4**
Cim CA5213 H	**Cim CA5213 HR**	1,375	4951	21,80	14	**13,2**
Cim CA5220 H	**Cim CA5220 HR**	1,475	5310	23,38	14	**14,2**
Cim CA5227 H	**Cim CA5227 HR**	1,583	5700	25,10	14	**15,2**
Cim CA5235 H	**Cim CA5235 HR**	1,725	6209	27,34	14	**16,6**
Cim CA5243 H	**Cim CA5243 HR**	1,809	6511	28,67	14	**17,4**
Cim CA5251 H	**Cim CA5251 HR**	1,967	7081	31,18	14	**18,9**
Cim CA5260 H	**Cim CA5260 HR**	2,195	7901	34,79	15	**20,4**
Cim CA5269 H	**Cim CA5269 HR**	2,472	8900	39,19	16	**22,3**
Cim CA5279 H	**Cim CA5279 HR**	2,889	10399	45,79	19	**23,9**
Cim CA5287 H	**Cim CA5287 HR**	3,154	11355	50,00	21	**24,2**
Cim CA5292 H	**Cim CA5292 HR**	3,470	12491	55,00	23	**26,1**
Cim CA5298 H	**Cim CA5298 HR**	3,722	13399	59,00	24	**27,4**
Cim CA5303 H	**Cim CA5303 HR**	4,100	14762	65,00	27	**28,4**
Cim CA5308 H	**Cim CA5308 HR**	4,444	15999	70,45	29	**29,7**
Cim CA6285 H	**Cim CA6285 HR**	4,733	17037	75,02	34	**29,2**
Cim CA6292 H	**Cim CA6292 HR**	5,041	18148	79,91	34	**31,1**
Cim CA6301 H	**Cim CA6301 HR**	5,221	18797	82,77	35	**31,8**
Cim CA6305 H	**Cim CA6305 HR**	5,408	19467	85,72	35	**32,9**
Cim CA6312 H	**Cim CA6312 HR**	5,684	20464	90,11	35	**34,6**
Cim CA6319 H	**Cim CA6319 HR**	5,980	21527	94,79	36	**35,9**
Cim CA6326 H	**Cim CA6326 HR**	6,236	22449	98,85	36	**37,4**
Cim CA6332 H	**Cim CA6332 HR**	6,523	23482	103,40	36	**39,1**
Cim CA6338 H	**Cim CA6338 HR**	6,814	24531	108,02	37	**40,3**
Cim CA6344 H	**Cim CA6344 HR**	7,117	25621	112,82	38	**41,6**
Cim CA6349 H	**Cim CA6349 HR**	7,369	26528	116,81	38	**43,0**
Cim CA6356 H	**Cim CA6356 HR**	7,690	27686	121,91	38	**44,9**
Cim CA6362 H	**Cim CA6362 HR**	8,099	29157	128,39	38	**47,3**
Cim CA6367 H	**Cim CA6367 HR**	8,321	29954	131,90	39	**48,0**
Cim CA6373 H	**Cim CA6373 HR**	8,605	30976	136,40	39	**49,6**
Cim CA6379 H	**Cim CA6379 HR**	8,961	32260	142,05	40	**51,0**
Cim CA6385 H	**Cim CA6385 HR**	9,324	33565	147,80	40	**53,0**
Cim CA6391 H	**Cim CA6391 HR**	9,709	34953	153,91	40	**55,3**
Cim CA6393 H	**Cim CA6393 HR**	10,093	36336	160,00	42	**56,1**
Cim CA6398 H	**Cim CA6398 HR**	10,468	37685	165,94	43	**57,5**
Cim CA6400 H	**Cim CA6400 HR**	10,724	38607	170,00	44	**58,2**
Cim CA6407 H	**Cim CA6407 HR**	11,381	40971	180,41	46	**60,4**
Cim CA6407 HH	**Cim CA6407 HHR**	12,500	45000	198,00	49	**64,3**

cim® 3767BLP

Dynamic balancing valve - Cast iron EN GJL250 - PN 16 - DPCV - Low pressure - Flanged PN 16

CODE	SIZE		
3767BLP-8065	DN 65	-	1
3767BLP-8080	DN 80	.-	1
3767BLP-8100	DN 100	-	1
3767BLP-8125	DN 125	-	1
3767BLP-8150	DN 150	-	1

cim® 3767BHP

Dynamic balancing valve - Cast iron EN GJL250 - PN 16 - DPCV - High pressure - Flanged PN 16

CODE	SIZE		
3767BHP-8065	DN 65	-	1
3767BHP-8080	DN 80	-	1
3767BHP-8100	DN 100	-	1

cim® 3767L3739

Dynamic balancing valve - Cast iron EN GJL250 - PN 16 - DPCV - High pressure - With partner valve - Flanged PN 16

CODE	SIZE		
3767L3739-8065	DN 65	-	1
3767L3739-8080	DN 80	-	1
3767L3739-8100	DN 100	-	1
3767L3739-8125	DN 125	-	1
3767L3739-8150	DN 150	-	1

cim® 3767H3739

Dynamic balancing valve - Cast iron EN GJL250 - PN 16 - DPCV - Low pressure - With partner valve - Flanged PN 16

CODE	SIZE		
3767H3739-8065	DN 65	-	1
3767H3739-8080	DN 80	-	1
3767H3739-8100	DN 100	-	1

cim® 3776B

Dynamic balancing valve - Cast iron EN GJL250 - PN 16 - PICV - Flanged PN 16

CODE	SIZE		
3776B-8065	DN 65	1	1
3776B-8080	DN 80	1	1
3776B-8100	DN 100	1	1
3776B-8125	DN 125	1	1
3776B-8150	DN 150	1	1

cim® 920-3776B

Manual actuator - For Cim 3776B

CODE	SIZE		
920-3776B-8067	65÷80	1	4
920-3776B-8101	100÷150	1	4

Terminal unit
connection valves

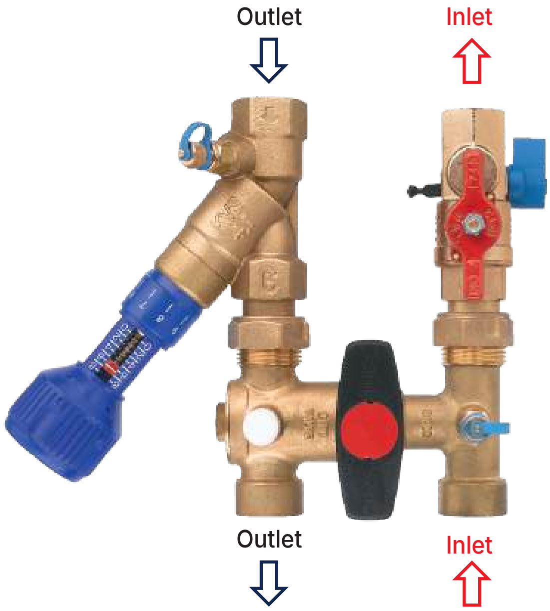
Cimberio **Monolink Cim 731** is an innovative and compact valve that minimizes the time and space required to connect system terminal units to a distribution pipe.
All the components required for flushing and commissioning the system can be combined in a single assembly that can be easily installed in the tightest corners.
Assembled Cimberio **Monolink Cim 731** incorporates an isolation valve with Built in strainer, a drain point, a special bypass valve and a balancing valve.
Designed to provide flexible configuration of the system, it can be used with either manual or automatic balancing valves. Thanks to the isolation valve fitted on the flow side, the strainer can be cleaned without having to drain the entire system. Only four connections are required and, since the connections are simple union joints, the entire assembly can be adjusted on site for maximum convenience and easy accessibility in the available space.

Monolink Cim 731 is available in "CR" brass.

Monolink is a patented system, only four connections are required and, the entire assembly can be adjusted on site for maximum convenience and easy accessibility in the available space.

Technical characteristics:

- Fluid: water, glycol solutions up to 50%
- Nominal pressure: PN 25
- Temperature: -10°C to 120°C
- Body Material:
  EN 12165-CW602N-M"CR" Brass
- Threads: ISO 7 - Rp (Female) -
  ISO 228 (Union)



Benefits:

- Factory preassembled and tested
- Compact design
- Designed to provide flexible configuration of the system
- Use of either manual or automatic balancing valves
- Easy installation
- Minimal pressure drop
- By-Pass full bore ball valve for system flushing

cim® 731

MONOLINK - Terminal unit connection system - Brass CW602 - PN 25 - Nylon 6 handle

CODE	SIZE		
731-2102	1/2" x 1/2"	4	16
731-2128	3/4" x 3/4"	3	12
731-2154	1" x 1"	3	9
731-2180	1"1/4 × 1"1/4	1	4
731-2206	1"1/2 × 1"1/2	1	4

cim® 733-630YPLA

MONOLINK - Terminal unit connection system - Brass CW602 - PN 25 - Nylon 6 handle - With ball valve, strainer and drain

CODE	SIZE		
733-630YPLA-2102	1/2" x 1/2"	2	8
733-630YPLA-2128	3/4" x 3/4"	2	8
733-630YPLA-2154	1" x 1"	1	3

cim® 733-787

MONOLINK - Terminal unit connection system - Brass CW602 - PN 25 - Nylon 6 handle - With ball valve, strainer and drain - Variable orifice balancing valve

CODE	SIZE		
733-787-2102	1/2" x 1/2"	2	8
733-787-2128	3/4" x 3/4"	2	6
733-787-2154	1" x 1"	1	2
733-787-2180	1"1/4 × 1"1/4	1	2
733-787-2206	1"1/2 × 1"1/2	1	2

cim® 733-788-4

MONOLINK - Terminal unit connection system - Brass CW602 - PN 25 - Nylon 6 handle - With ball valve, strainer and drain - Variable orifice balancing and control valve

CODE	SIZE		
733-788-4-9918	1/2" x 1/2"	2	8
733-788-4-9919	3/4" x 3/4"	1	2
733-788-4-9920	1"x1"	1	2

cim® 733-747

MONOLINK - Terminal unit connection system - Brass CW602 - PN 25 - Nylon 6 handle - With ball valve, strainer and drain - Fixed orifice balancing valve

CODE	SIZE		
733-747-2102	1/2" x 1/2"	2	8
733-747-2128	3/4" x 3/4"	1	4
733-747-2154	1" x 1"	1	2
733-747-2180	1"1/4 × 1"1/4	1	2
733-747-2206	1"1/2 × 1"1/2	1	2

cim® 733-746

MONOLINK - Terminal unit connection system - Brass CW602 - PN 25 - Nylon 6 handle - With ball valve, strainer and drain - Fixed orifice balancing valve

CODE	SIZE		
733-746-2102	1/2" x 1/2"	2	8
733-746-2128	3/4" x 3/4"	1	4
733-746-2154	1" x 1"	1	2
733-746-2180	1"1/4 × 1"1/4	1	2
733-746-2206	1"1/2 × 1"1/2	1	2

cim® 733-786OT

MONOLINK - Terminal unit connection system - Brass CW602 - PN 25 - Nylon 6 handle - With ball valve, strainer and drain - Variable orifice balancing valve

CODE	SIZE		
733-786OT-2102	1/2" x 1/2"	2	8
733-786OT-2128	3/4" x 3/4"	1	4
733-786OT-2154	1" x 1"	1	2
733-786OT-2180	1"1/4 × 1"1/4	1	2
733-786OT-2206	1"1/2 × 1"1/2	1	2

cim® 733-788NC

MONOLINK - Terminal unit connection system - Brass CW602 - PN 25 - Nylon 6 handle - With ball valve, strainer and drain - Variable orifice balancing and control valve - Thermoelectric actuator

CODE	SIZE		
733-788NC-2102	1/2" x 1/2"	2	8
733-788NC-2128	3/4" x 3/4"	1	2
733-788NC-2154	1" x 1"	1	2

cim® 733-717HF

MONOLINK - Terminal unit connection system - Brass CW602 - PN 25 - Nylon 6 handle - With ball valve, strainer and drain - PICV balancing valve

CODE	SIZE		
733-717HF-1014	1/2" x DN 10	1	4
733-717HF-1021	3/4" x DN 15	1	4
733-717HF-1026	1" x DN 20	1	2

cim® MLINK179

MONOLINK - Terminal unit connection system - Brass CW602 - PN 25 - Nylon 6 handle - With ball valve and strainer - Variable orifice balancing and control valve and additional valve

CODE	SIZE		
MLINK179-2102	31/2"x1/2"	1	4
MLINK179-2128	3/4" x 3/4"	1	4
MLINK179-2154	1"x1"	1	4

cim® 671

6-way ball valve - Brass CW602 - PN 25 - Electric actuator 24 VAC

CODE	SIZE		
671-1020	3/4"	1	4

cim® 671WA

6-way ball valve - Brass CW602 - PN 25

CODE	SIZE		
671WA-1020	3/4"	8	32

cim® 726DM10

Commissioning unit

CODE		
726DM10-0000	1	3

cim® 726AC6

Commissioning unit

CODE		
726AC6-0000	-	1

cim® 728C

Insulating case for balancing valves - Cim 787 series

CODE	SIZE		
728C-1015	1/2"	-	10
728C-1020	3/4"	-	10
728C-1025	1"	-	10
728C-1032	1"1/4	-	10
728C-1040	1"1/2	-	10
728C-1050	2"	-	10

cim® 728-746

Insulating case for balancing valves - Cim 746 series

CODE	SIZE		
728-746-1015	1/2"	-	5
728-746-1020	3/4"	-	10
728-746-1025	1"	-	10
728-746-1032	1"1/4	-	10
728-746-1040	1"1/2	-	10
728-746-1050	2"	-	10

cim® 728-778

Insulating case for balancing valves - Cim 778 series

CODE	SIZE		
728-778-1015	1/2"	20	20
728-778-1020	3/4"	-	10
728-778-1025	1"	-	10

cim® 728MLINK

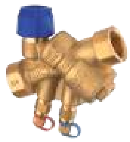
Insulating case for Monolink

CODE	SIZE		
728MLINK-1025	1/2" - 3/4"	-	10
728MLINK-2097	1"	1	10
728MLINK-2186	1"1/4 - 1"1/2	-	10

Actuators for balancing valves

● Possible

SERIES		MODEL	CODE	TYPE	VOLTAGE	CONTROL	FORCE	TORQUE	STROKE MAX	FAILSAFE	FEEDBACK
EMV211		EMV211-145	EMV211-145-0000	LINEAR	24 V AC/DC	PRO	160 N	-	AUTO	NO	YES
		EMV211-146	EMV211-146-0000		24 V AC	3P	120 N		6,3 mm	NO	NO
		EMV211-147	EMV211-147-0000		230 V AC	3P				NO	NO
EMV212		EMV212-144	EMV212-144-0000		24 V AC	PRO	300 N	-	9 mm	NO	YES
		EMV212-145	EMV212-145-0000		24 V AC	PRO				NO	YES
		EMV212-146	EMV212-146-0000		24 V AC	3P				NO	NO
		EMV212-147	EMV212-147-0000		230 V AC	3P				NO	NO
		EMV212-148	EMV212-148-0000		24 V AC/DC	PRO/3P	500 N		8 mm	NO	YES
		EMV212-150	EMV212-150-0000		230 V AC	3P				NO	NO
EMV110		EMV110-133	EMV110-133-0000	ROTATIVE	24 V AC/DC	PRO	–	10 Nm	90°	NO	YES
EMV213		EMV213-145	EMV213-145-0000		24 V AC/DC	PRO/3P	–	10 Nm	90°	NO	YES
		EMV213-147	EMV213-147-0000		230 V AC	3P				NO	NO
		EMV213-148	EMV213-148-0000		24 V AC/DC	PRO/3P		15 Nm	90°	NO	YES
		EMV213-150	EMV213-150-0000		230 V AC	3P				NO	NO
EMV215		EMV215-145	EMV215-145-0000	LINEAR	24 V AC/DC	PRO	YES	YES	YES	SI YES	YES
EMV311		EMV311-NC 230	EMV311-NC 230-0000	THERMOELECTRIC	230 V AC	NC	160 N	-	4,5 mm	YES	NO
		EMV311-NC 24	EMV311-NC 24-0000		24 V AC/DC	NC				YES	NO
		EMV311-NO 230	EMV311-NO 230-0000		230 V AC	NO				YES	NO
		EMV311-NO 24	EMV311-NO 24-0000		24 V AC/DC	NO				YES	NO
		EMV311-PRO	EMV311-PRO-0000		24 V AC/DC	PRO				YES	NO
EMV312		EMV312-NO 230	EMV312-NO 230-0000		230 V AC	NO	250N	-	5,5 mm	YES	NO
		EMV312-NO 24	EMV312-NO 24-0000		24 V AC/DC	NO				YES	NO

VALVES							
Static	Dynamic						6 ways
Cim 788-4	Cim 795	Cim 771	Cim 776		Cim 377B		Cim 671
							
	1/2" ÷ 1"	1/2" DN ÷ 1"1/4 DN 25	1"1/4	1"1/2 ÷ 2"	DN 65 ÷80	DN 100 ÷150	3/4"
		●					
		●					
		●					
		●					
			●				
		●	●				
		●	●				
				●			●
				●			
							●
					●		
					●		
						●	
						●	
●		●	●				
●	●	●					
●	●	●					
●	●	●					
●	●	●					
●		●					
			●				
			●				

cim® EMV311

Thermoelectric actuator - For series Cim 717 / 795 / 788

CODE	VOLT		
EMV311NC24-0000	24 V AC/DC	1	50
EMV311-NC230-000	230 V AC	1	50
EMV311NO24-0000	24 V AC/DC	1	50
EMV311-NO230-0000	230 V AC	1	50
EMV311PRO-0000	24 V AC/DC	1	50

cim® EMV312

Thermoelectric actuator - For Cim 776 (up to DN 32)

CODE	VOLT		
EMV312-NO24-0000	24 V AC/DC	1	10
EMV312-NO230-0000	230 V AC	1	10

cim® EMV211

Linear actuator - for series Cim 717

CODE	VOLT		
EMV211-145-0000	24 V AC/DC	1	10
EMV211-146-0000	24 V AC	1	10
EMV211-147-0000	230 V AC	1	10

cim® EMV212

Linear actuator - For series Cim 717 / 776

CODE	VOLT		
EMV212-144-0000	24 V AC	1	10
EMV212-145-0000	24 V AC	1	10
EMV212-146-0000	24 V AC	1	10
EMV212-147-0000	230 V AC	1	10
EMV212-148-0000	24 V AC/DC	1	10
EMV212-150-0000	230 V AC	1	10

cim® EMV110-133

Rotative actuator - For Cim 671

CODE	VOLT		
EMV110-133-0000	24 V AC/DC	5	20

cim® EMV213

Rotative actuator - For series Cim 3776B

CODE	VOLT		
EMV213-145-0000	24 V AC/DC	1	10
EMV213-147-0000	230 V AC	1	10
EMV213-148-0000	24 V AC/DC	4	10
EMV213-150-0000	230 V AC	1	10

cim® 750S

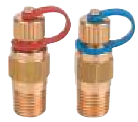
Nut and hose union - Flat seat and gaskets

CODE	SIZE		
750S-2077	3/8" x 1/2"	50	200
750S-2099	1/2" x 3/4"	50	200
750S-2129	3/4" x 1"	40	160
750S-2155	1" x 1"1/4	30	120
750S-2181	1"1/4 x 1"1/2	20	80

cim® 723

Binder points - For series Cim 721 / 747 / 3739B / 3723B

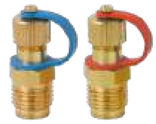
CODE	SIZE		
723-1008	1/4"	100	400



cim® 723L

Binder points - For series Cim 786OT / 787 / 717 / 718 / 767 / 776

CODE	SIZE		
723L-1008	1/4"	200	800



cim® 723P

Test point - Cim 3790 series

CODE	SIZE		
723PB-0000	1/4"	-	-
723PR-0000	1/4"	-	-

cim® 729

Measuring needle

CODE	SIZE		
729-1008	1/4"	100	400

cim® 729A

Measuring needle - Right angle

CODE	SIZE		
729A-0000	1/4"	100	400

cim® 190-999VB

Drain ball valve for balancing valve - With brass chain

CODE	SIZE		
190-999VB-1009	1/4" x 3/4"	40	160

cim® 999UN

Capillary pipe - Copper - Length 1,5 mt.

CODE	SIZE		
999UN-0000	-	50	200

cim® 999UN1

Capillary pipe - Copper - Length 1 mt.

CODE	SIZE		
999UN1-0000	-	50	200

cim® 999UN2

Capillary pipe - Copper - Length 2 mt.

CODE	SIZE		
999UN2-0000	-	20	80

cim® 999VG
Reducer for capillary pipe 1/8" x 1/4"

CODE	SIZE		
999VG-0000	1/4" x 1/8"	200	-

cim® 999VF
Compression fitting for capillary pipe

CODE	SIZE		
999VF-0000	1/4"	100	400

cim® 670
Fitting for capillary pipe

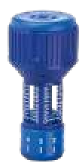
CODE	SIZE		
670-0000	1/4" x 1/8"	50	200

cim® 904NYL
Plug with O-ring - Nylon 6

CODE	SIZE		
904NYL-1008	1/4"	500	1000

cim® 975
Complete handle - Nylon 6 - For series Cim 727 / 737 / 747

CODE	SIZE		
975-1015	1/2"	20	80
975-2123	3/4" - 1"1/4	20	80
975-2201	1"1/2 - 2	10	40



cim® 976
Complete handle - Nylon 6 - For series Cim 786OT / 787 / 746

CODE	SIZE		
976-2112	1/2" - 2"	20	80

cim® 999VL1
Cap M30 × 1,5 - Nylon 6 - For series Cim 788 / 717

CODE	MODEL		
999VL1LF-0000	LF	20	-
999VL1HF-0000	HF	20	-

cim® 999UQ
Complete handle - For Cim 3739B

CODE	SIZE		
999UQ-8040	DN 40	20	80
999UQ-8050	DN 50	20	80
999UQ-8065	DN 65	5	20
999UQ-8080	DN 80	5	20
999UQ-8100	DN 100	5	20
999UQ-8125	DN 125	2	8
999UQ-8150	DN 150	2	8
999UQ-8200	DN 200	-	-

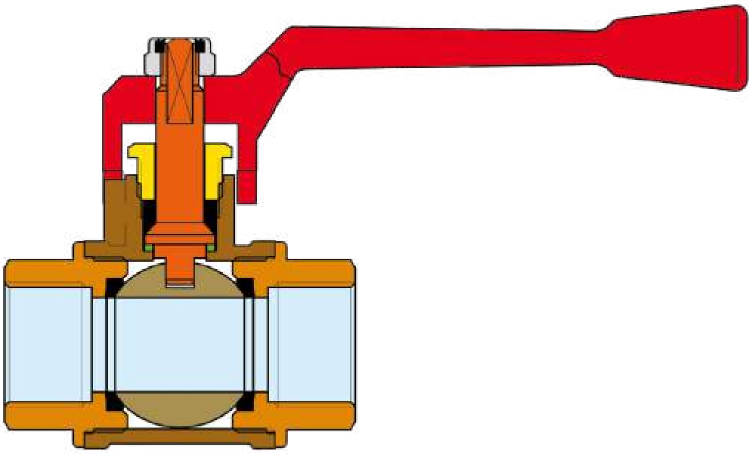
Chapter 3

Ball valves

cimberio®

technological **valve** solutions

Ball valves



Body	*Brass CW617N DW*
Screwed connections	*Brass CW617N DW*
Ball 1/4" - 2"	*Brass CW617N DW*
Ball 2 1/2" - 4"	*Cast brass CC754S*
Ball gasket	*P.T.F.E.*
Stem	*Brass CW617N DW*
Antifriction ring	*P.T.F.E.*
Stem gasket	*P.T.F.E.*
Gland nut	*Brass CW617N DW*
Handle	*Aluminium EN AB-46100*
Self-locking nut	*A2 stainless steel*

Service recommendations:

Cimberio ball valves can be used for heating, waterworks, sanitary systems, plumbing services, pneumatic systems, industrial and agricultural applications, oil pipelines, gasoline networks and other hydrocarbons networks, steam, condensate lines, generally every non aggressive fluid with in the operating limits as follows.

Maximum operating pressure and temperature:

Operating limit from 100 bar to 20 bar with temperatures at -20°C to +150°C (see diagram).

Technical features:

Balls:
Full bore, cylindrical type to avoid flow drop and turbulences.

Stem:
Replaceable with conic tightness on the P.T.F.E. gasket. P.F.T.E. gasket between the stem and the body as antifriction ring. **T16** and **RED5** series have blow-out proof type stem.

Gland nut:
Made of brass, adjustable and with the same load surface of the ring for a perfect contact.

Sealing material for threads:
Anaerobic adhesive according to EN 751-1.

Locking aluminium handle:
After lifting and turning the aluminium handle, lever or butterfly type, the handle can lock the valve in the "open-closed" position.

Tightness angle:
The tightening seat dimensions and the ball diameter guarantee a tightness angle ≥ 12° for T10 series and ≥ 9° for all other series.

Threading:

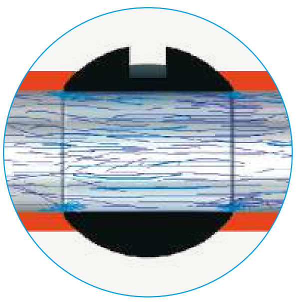
For series **T10 - T12 - T11 CR - T16 - T16 CR**
Female parallel threads to ISO 7/1 - EN 10226 Rp (standard).
Female taper threads to ISO 7/1 - EN 10226 Rc on request.
NPT threads ANSI B1.20.1 on request.

For series **T14 - T14M - RED5 - RED6**
Female parallel threads to ISO228.
NPT threads ANSI B1.20.1 on request.

Test:

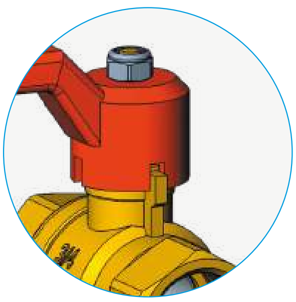
All valves are tested with pneumatic electronic testing in both the open and closed position, according to EN 12266-1 Standard.

The valves are made according to the PED 97/23/CE directive.

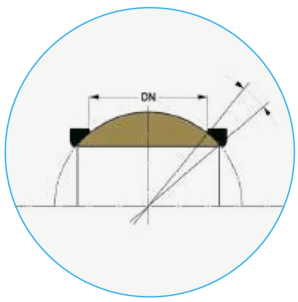


Ball

Stem tightness

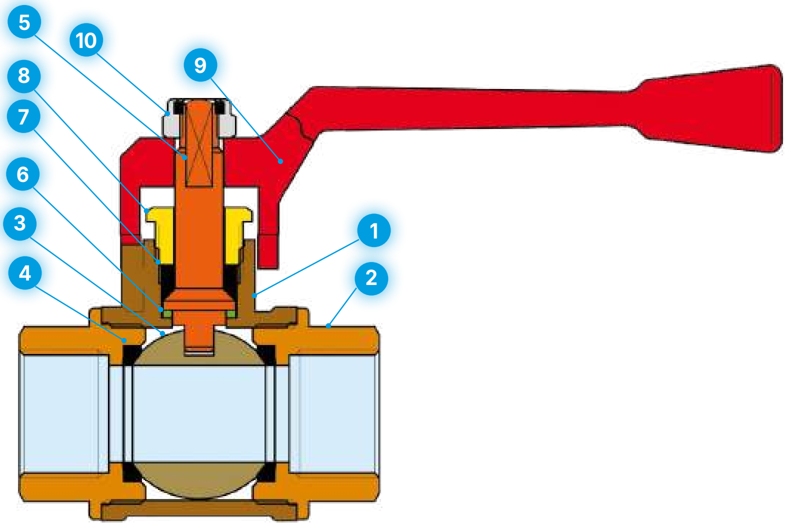


Handle locking

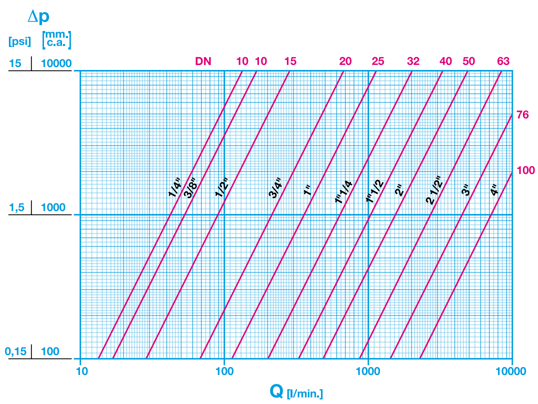


Tightness angle

Ball valves



FLOW AND PRESSURE DROP



Operation:

All Cimberio valves must be used for intercepting a fluid, never to regulate flow.
Velocity of flow against a partly opened ball may cause deformation to seat gaskets, and possible blockage of the valve with relevant leakages.

Ball valves cannot be operated abruptly in order to avoid water hammer.
Do not expose ball valves to heat sources that may damage its operation.

To close the valve rotate the operating handle 9 90° clockwise. To open the valve rotate the operating handle 9 90° counter-clock-wise.
By turning, the handle makes the stem 5, connected to the ball 3, rotate on the P.T.F.E. gaske 4 .
Handle position 9 shows flow direction: parallel to the body "valve opened", perpendicular to the body "valve closed".

Note:

Before having any valve serviced, make sure the system is not running or being pressurised.

Maintenance:

No specific servicing is generally required for ball valves. For smooth running, it is advisable to do the following:

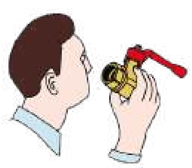
A: never use ball valves to regulate flow, but to intercept fluids only if damage to gaskets 4 is to be avoided;

B: fully operate the valve at least once every 3 months to prevent limestone deposits which could prevent smooth running;

C: When leaking from the stem 5 unscrew the nut 10 , remove the handle 9, fasten the gland screw 8. If leaking continues, take off the gland screw 8 and check the P.F.T.E. stem gaskets 7 and the P.T.F.E. antifriction ring 6 , if necessary, replace them.

1

Before installation, inspect valve threads for dirt.
Dirt can damage gasket surface and cause leaking



2

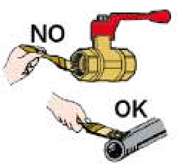
Clean out pipe before use.
Pipe scale and dirt are often the cause of leaking valves.

3

Remove all burrs from pipe connections after threading.
Burrs can hinder tightness.

4

Distribute sealing material on pipe threads only, not on valve threads.



5

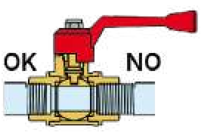
For assembly purposes, use a spanner, not a pipe wrench, by applying necessary operating torque only on the valve end nearest the pipe. This helps get a firmer grip and avoid potential damage tothe valve body.

6

To preventi distortion and damage to operating parts, do not put valve in a vice on assembly bench but keep pipe fixed instead and screw valve into place.

7

Pipe threading should not be longer than the operating threads of any valve.

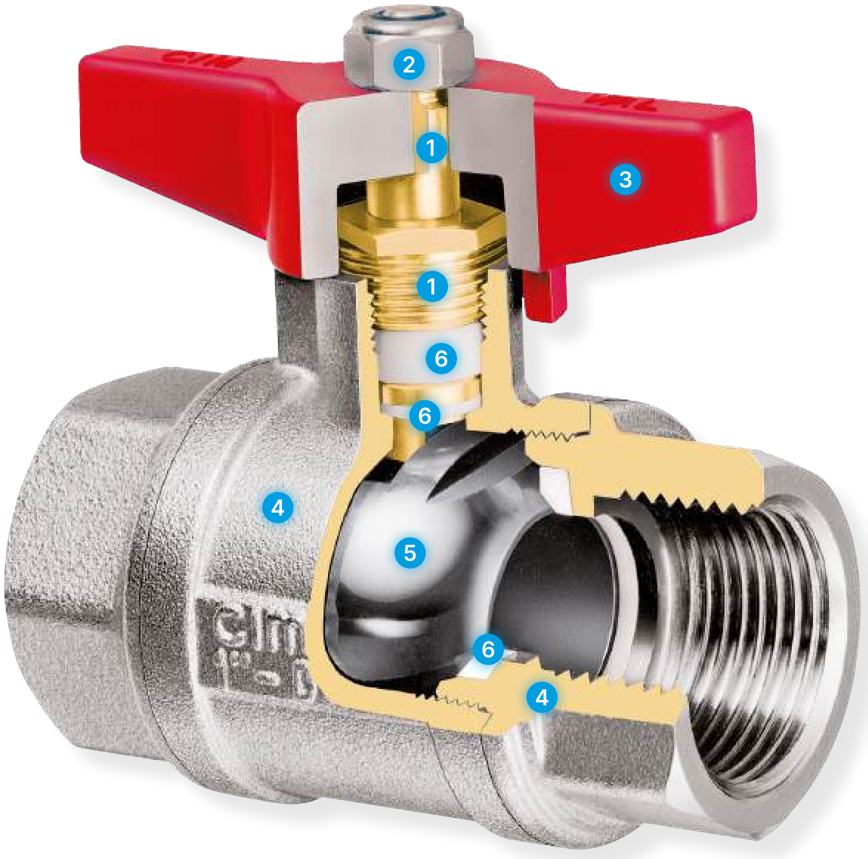


WARRANTY:

All products are guaranteed for five years when correctly used in accordance with technical data for installation and use.

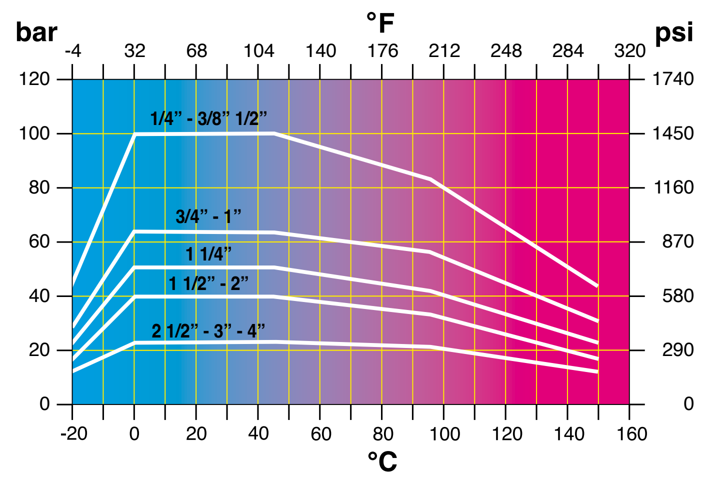
Ball valves **T10 SERIES**

Operating pressure: From PN 100 bar to PN 25 bar



1. **STEM - GLAND:** Turned from brass bar: EN 12164 CW617N DW
2. **NUT:** Self-locking type - A2 stainless steel
3. **HANDLE:** Aluminium alloy EN AB 46100, epoxy painted
4. **BODY - SCREWED CONNECTIONS:** Hot pressed from brass bar: EN 12165 CW617N DW
5. **BALL:** Hot pressed from brass bar: EN 12165 CW617N DW, mirror-like surface, micro-smooth finish, **TEA**® coating
6. **BALL - STEM GASKETS:** Pure P.T.F.E. conical rings, hardness 54-57 Shore D

PRESSURE/TEMPERATURE RATINGS



DN	PN	Ø mm	KV	CS	CM	MT
1/4"	**100**	10	8	2	1	10
3/8"	**100**	10	10	2	1	10
1/2"	**100**	15	17	6	3	20
3/4"	**64**	20	41	10	4	45
1"	**64**	25	68	12	5	45
1"1/4	**50**	32	123	17	8	93
1"1/2	**40**	40	198	22	10	93
2"	**40**	50	290	26	13	93
2"1/2	**25**	63	520	32	15	280
3"	**25**	76	850	36	17	280
4"	**25**	100	1350	40	19	550

KV: Flow rate in m3/h with a pressure drop of 1 bar with water temperature of 15.5°C (59.9°F)

CS: Starting torque in Nm
CM: Operating torque in Nm
MT: Stem breaking torque in Nm

cim® 10

T10 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle

CODE	SIZE		
10-1008	1/4"	50	100
10-1010	3/8"	50	100
10-1015	1/2"	25	100
10-1020	3/4"	16	64
10-1025	1"	12	48
10-1032	1"1/4	6	24
10-1040	1"1/2	5	20
10-1050	2"	3	12
10-1070	2"1/2	2	4
10-1080	3"	1	2
10-1100	4"	1	2

cim® 310

T10 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
310-1008	1/4"	50	100
310-1010	3/8"	50	100
310-1015	1/2"	35	70
310-1020	3/4"	20	40
310-1025	1"	15	30
310-1032	1"1/4	10	20
310-1040	1"1/2	6	12
310-1050	2"	3	6

cim® 100T

T10 series - Ball valve - Full bore - Brass CW617N DW - Brass lever handle

CODE	SIZE		
100T-1008	1/4"	40	80
100T-1010	3/8"	40	80
100T-1015	1/2"	25	100
100T-1020	3/4"	16	64
100T-1025	1"	12	48
100T-1032	1"1/4	6	24
100T-1040	1"1/2	5	20
100T-1050	2"	3	12

cim® A10

T10 series - Ball valve - Full bore - Brass CW617N DW - Nylon 6/6 handle

CODE	SIZE		
A10-1015	1/2"	20	80
A10-1020	3/4"	12	48
A10-1025	1"	10	40
A10-1032	1"1/4	5	20
A10-1040	1"1/2	5	20
A10-1050	2"	2	8

cim® 610

T10 series - Ball valve - Full bore - Brass CW617N DW - Nylon 6/6 speed reducer hand wheel

CODE	SIZE		
610-1015	1/2"	2	26
610-1020	3/4"	2	26
610-1025	1"	2	26
610-1032	1"1/4	1	12
610-1040	1"1/2	1	12
610-1050	2"	1	12

cim® B10

T10 series - Ball valve - Full bore - Brass CW617N DW - Lockable brass safety cap

CODE	SIZE		
B10-1015	1/2"	15	60
B10-1020	3/4"	10	40
B10-1025	1"	8	32

cim® 201

T10 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle

CODE	SIZE		
201-1008	1/4"	50	200
201-1010	3/8"	50	200
201-1015	1/2"	25	100
201-1020	3/4"	16	64
201-1025	1"	12	48
201-1032	1"1/4	6	24
201-1040	1"1/2	5	20
201-1050	2"	3	12

cim® 301

T10 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
301-1008	1/4"	50	200
301-1010	3/8"	50	200
301-1015	1/2"	35	140
301-1020	3/4"	20	80
301-1025	1"	15	60
301-1032	1"1/4	8	32
301-1040	1"1/2	6	24
301-1050	2"	3	12

cim® 202

T10 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle

CODE	SIZE		
202-1008	1/4"	50	200
202-1010	3/8"	50	200
202-1015	1/2"	25	100
202-1020	3/4"	16	64
202-1025	1"	12	48
202-1032	1"1/4	6	24
202-1040	1"1/2	6	24
202-1050	2"	2	8

cim® 302

T10 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
302-1008	1/4"	50	100
302-1010	3/8"	50	100
302-1015	1/2"	35	140
302-1020	3/4"	18	72
302-1025	1"	15	60
302-1032	1"1/4	8	32
302-1040	1"1/2	6	24
302-1050	2"	3	12

cim® 229

T10 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
229-2102	1/2" x 1/2"	30	120
229-2128	3/4" x 3/4"	18	72
229-2154	1" x 1"	10	40

cim® 230

T10 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
230-2102	1/2" x 1/2"	30	120
230-2128	3/4" x 3/4"	18	72
230-2154	1" x 1"	10	40

cim® 231

T10 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
231-2102	1/2" x 1/2"	30	120
231-2128	3/4" x 3/4"	18	72
231-2154	1" x 1"	10	40

cim® 232

T10 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
232-2102	1/2" x 1/2"	30	120
232-2128	3/4" x 3/4"	18	72
232-2154	1" x 1"	10	40

cim® 2290T

T10 series - Ball valve - Full bore - Brass CW617N DW - Brass lever handle

CODE	SIZE		
2290T-2102	1/2" x 1/2"	30	120
2290T-2128	3/4" x 3/4"	18	72
2290T-2154	1" x 1"	10	40

cim® 2300T

T10 series - Ball valve - Full bore - Brass CW617N DW - Brass lever handle

CODE	SIZE		
2300T-2102	1/2" x 1/2"	30	120
2300T-2128	3/4" x 3/4"	18	72
2300T-2154	1" x 1"	10	40

cim® 2310T

T10 series - Ball valve - Full bore - Brass CW617N DW - Brass lever handle

CODE	SIZE		
2310T-2102	1/2" x 1/2"	30	120
2310T-2128	3/4" x 3/4"	18	72
2310T-2154	1" x 1"	10	40

cim® 2320T

T10 series - Ball valve - Full bore - Brass CW617N DW - Brass lever handle

CODE	SIZE		
2320T-2102	1/2" x 1/2"	30	120
2320T-2128	3/4" x 3/4"	18	72
2320T-2154	1" x 1"	10	40

cim® 206

T10 series - Ball valve - Full bore - Brass CW617N DW - Brass square cap 20 × 20 lockable open/closed

CODE	SIZE		
206-1008	1/4"	50	200
206-1010	3/8"	50	200
206-1015	1/2"	30	120
206-1020	3/4"	20	80
206-1025	1"	15	60
206-1032	1"1/4	10	40
206-1040	1"1/2	6	24
206-1050	2"	3	12

cim® 207

T10 series - Ball valve - Full bore - Brass CW617N DW - Brass square cap 20 × 20 lockable open/closed

CODE	SIZE		
207-1008	1/4"	50	200
207-1010	3/8"	50	200
207-1015	1/2"	30	120
207-1020	3/4"	20	80
207-1025	1"	12	48
207-1032	1"1/4	10	40
207-1040	1"1/2	6	24
207-1050	2"	3	12

cim® 208

T10 series - Ball valve - Full bore - Brass CW617N DW - Brass square cap 20 × 20 lockable open/closed

CODE	SIZE		
208-1008	1/4"	50	200
208-1010	3/8"	50	200
208-1015	1/2"	25	100
208-1020	3/4"	16	64
208-1025	1"	10	40
208-1032	1"1/4	6	24
208-1040	1"1/2	5	20
208-1050	2"	3	12

cim® 306

T10 series - Ball valve - Full bore - Brass CW617N DW - Brass cap sealing type lockable open/closed

CODE	SIZE		
306-1008	1/4"	50	100
306-1010	3/8"	50	100
306-1015	1/2"	40	160
306-1020	3/4"	20	80
306-1025	1"	15	60
306-1032	1"1/4	10	40
306-1040	1"1/2	6	24
306-1050	2"	3	12
306-1070	2"1/2	2	4
306-1080	3"	1	2

cim® 307

T10 series - Ball valve - Full bore - Brass CW617N DW - Brass cap sealing type lockable open/closed

CODE	SIZE		
307-1008	1/4"	50	100
307-1010	3/8"	50	100
307-1015	1/2"	40	160
307-1020	3/4"	20	80
307-1025	1"	15	60
307-1032	1"1/4	10	40
307-1040	1"1/2	6	24
307-1050	2"	3	12

cim® 308

T10 series - Ball valve - Full bore - Brass CW617N DW - Brass cap sealing type lockable open/closed

CODE	SIZE		
308-1008	1/4"	50	200
308-1010	3/8"	50	200
308-1015	1/2"	40	160
308-1020	3/4"	20	80
308-1025	1"	15	60
308-1032	1"1/4	10	40
308-1040	1"1/2	6	24
308-1050	2"	3	12

cim® 406

T10 series - Ball valve - Full bore - Brass CW617N DW - Brass square cap 28 × 28

CODE	SIZE		
406-1008	1/4"	50	200
406-1010	3/8"	50	200
406-1015	1/2"	30	120
406-1020	3/4"	20	80
406-1025	1"	12	48
406-1032	1"1/4	10	40
406-1040	1"1/2	6	24
406-1050	2"	3	12
406-1070	2"1/2	2	4
406-1080	3"	1	2

cim® 407

T10 series - Ball valve - Full bore - Brass CW617N DW - Brass square cap 28 × 28

CODE	SIZE		
407-1008	1/4"	50	100
407-1010	3/8"	50	100
407-1015	1/2"	30	120
407-1020	3/4"	20	80
407-1025	1"	12	48
407-1032	1"1/4	10	40
407-1040	1"1/2	6	24
407-1050	2"	3	12

cim® 408

T10 series - Ball valve - Full bore - Brass CW617N DW - Brass square cap 28 × 28

CODE	SIZE		
408-1008	1/4"	50	100
408-1010	3/8"	50	100
408-1015	1/2"	30	120
408-1020	3/4"	15	60
408-1025	1"	12	48
408-1032	1"1/4	10	40
408-1040	1"1/2	6	24
408-1050	2"	3	12

cim® 125

IDEACIM - Ball valve - Full bore - Brass CW617N DW - Brass two piece knob handle - Built in monoblock type

CODE	SIZE		
125-1015	1/2"	10	40
125-1020	3/4"	10	40

IDEAcim

cim® 126

IDEACIM - Ball valve - Full bore - Brass CW617N DW - Built in monoblock type with round rosette 100 mm

CODE	SIZE		
126-1015	1/2"	10	40
126-1020	3/4"	10	40

IDEAcim

cim® 126S

IDEACIM - Ball valve - Full bore - Brass CW617N DW - Brass knob - Built in monoblock type with round rosette 70 mm

CODE	SIZE		
126S-1015	1/2"	10	40
126S-1020	3/4"	10	40

IDEAcim

cim® 127

IDEACIM - Ball valve - Full bore - Brass CW617N DW - Brass diverter - Built in monoblock type with round rosette 100 mm

CODE	SIZE		
127-1015	1/2"	10	40
127-1020	3/4"	10	40

IDEAcim

cim® 128

IDEACIM - Ball valve - Full bore - Brass CW617N DW - Brass diverter - Built in monoblock type with round rosette 70 mm

CODE	SIZE		
128-1015	1/2"	10	40
128-1020	3/4"	10	40

IDEAcim

cim® 25

T10 series - Ball valve - Full bore - Brass CW617N DW - Brass two piece knob handle - Built in

CODE	SIZE		
25-1010	3/8"	16	64
25-1015	1/2"	16	64
25-1020	3/4"	12	48
25-1025	1"	10	48

cim® 26

T10 series - Ball valve - Full bore - Brass CW617N DW - Brass knob - Built in with round rosette 100 mm

CODE	SIZE		
26-1010	3/8"	10	40
26-1015	1/2"	10	40
26-1020	3/4"	10	40
26-1025	1"	8	32

cim® 26S

T10 series - Ball valve - Full bore - Brass CW617N DW - Brass knob - Built in with round rosette 70 mm

CODE	SIZE		
26S-1010	3/8"	10	40
26S-1015	1/2"	10	40
26S-1020	3/4"	10	40
26S-1025	1"	10	40

cim® 27

T10 series - Ball valve - Full bore - Brass CW617N DW - Brass diverter - Built in with round rosette 100 mm

CODE	SIZE		
27-1010	3/8"	10	40
27-1015	1/2"	10	40
27-1020	3/4"	10	40
27-1025	1"	8	32

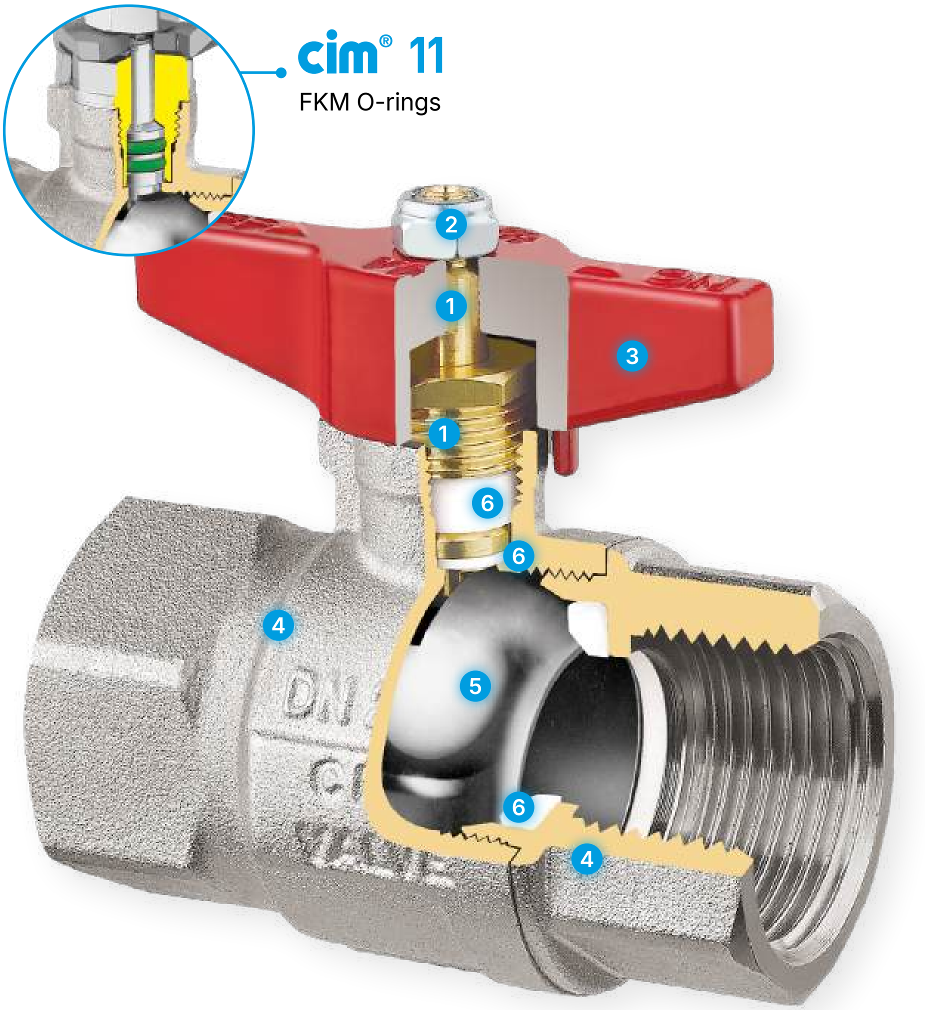
cim® 28

T10 series - Ball valve - Full bore - Brass CW617N DW - Brass diverter - Built in with round rosette 70 mm

CODE	SIZE		
28-1010	3/8"	10	40
28-1015	1/2"	10	40
28-1020	3/4"	10	40
28-1025	1"	8	32

Ball valves **T12 SERIES**

Operating pressure: From PN 80 bar to PN 20 bar



1 STEM - GLAND:
Turned from brass bar:
EN 12164 CW617N DW

2 NUT:
Self-locking type -
A2 stainless steel

3 HANDLE:
Cim 12 - 312:
Aluminium alloy EN AB 46100,
epoxy painted

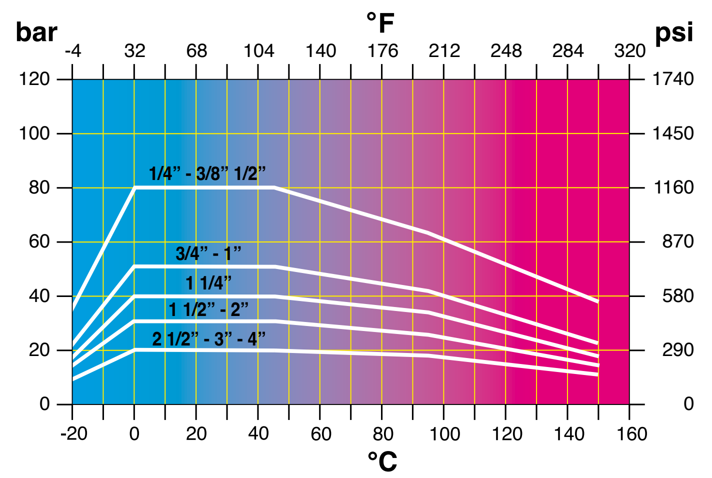
Cim 11:
Steel EN10111-DD11
Geomet 321 - PVC grip

4 BODY - SCREWED CONNECTIONS:
Hot pressed from brass bar:
EN 12165 CW617N DW

5 BALL:
Hot pressed from brass bar: EN 12165 CW617N DW, mirror-like surface, micro-smooth finish, **TEA**® coating

6 BALL - STEM GASKETS:
Pure P.T.F.E. conical rings,
hardness 54-57 Shore D

PRESSURE/TEMPERATURE RATINGS



DN	PN	Ø mm	KV	CS	CM	MT
1/4"	**80**	10	8	2	1	10
3/8"	**80**	10	10	2	1	10
1/2"	**80**	15	17	6	3	10
3/4"	**50**	20	41	10	3	24
1"	**50**	25	68	12	6	24
1"1/4	**40**	32	123	14	7	45
1"1/2	**32**	40	198	20	10	90
2"	**32**	50	290	26	13	90
2"1/2	**20**	63	520	32	16	280
3"	**20**	76	850	40	20	280
4"	**20**	100	1350	60	30	550

KV: Flow rate in m3/h with a pressure drop of 1 bar with water temperature of 15.5°C (59.9°F)

CS: Starting torque in Nm
CM: Operating torque in Nm
MT: Stem breaking torque in Nm

cim® 12

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle

CODE	SIZE		
12-1008	1/4"	50	200
12-1010	3/8"	50	200
12-1015	1/2"	40	160
12-1020	3/4"	25	100
12-1025	1"	16	64
12-1032	1"1/4	10	40
12-1040	1"1/2	6	24
12-1050	2"	4	16
12-1070	2"1/2	2	4
12-1080	3"	2	4
12-1100	4"	2	4

cim® 312

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
312-1008	1/4"	50	200
312-1010	3/8"	50	200
312-1015	1/2"	50	200
312-1020	3/4"	30	120
312-1025	1"	20	80
312-1032	1"1/4	12	48
312-1040	1"1/2	7	28
312-1050	2"	4	16

cim® 120T

T12 series - Ball valve - Full bore - Brass CW617N DW - Brass lever handle

CODE	SIZE		
120T-1015	1/2"	40	160
120T-1020	3/4"	16	64
120T-1025	1"	12	48
120T-1032	1"1/4	6	24
120T-1040	1"1/2	5	20
120T-1050	2"	3	12

cim® A12

T12 series - Ball valve - Full bore - Brass CW617N DW - Nylon 6/6 handle

CODE	SIZE		
A12-1015	1/2"	30	120
A12-1020	3/4"	18	72
A12-1025	1"	12	48
A12-1032	1"1/4	8	32
A12-1040	1"1/2	6	24
A12-1050	2"	4	16

cim® 612

T12 series - Ball valve - Full bore - Brass CW617N DW - Nylon 6/6 speed reducer hand wheel

CODE	SIZE		
612-1015	1/2"	2	26
612-1020	3/4"	2	26
612-1025	1"	2	26
612-1032	1"1/4	1	12
612-1040	1"1/2	1	12
612-1050	2"	1	12

cim® B12

T12 series - Ball valve - Full bore - Brass CW617N DW - Lockable brass safety cap

CODE	SIZE		
B12-1015	1/2"	20	80
B12-1020	3/4"	15	60
B12-1025	1"	10	40
B12-1032	1"1/4	8	32

cim® 201-12

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle

CODE	SIZE		
201-12-1008	1/4"	50	200
201-12-1010	3/8"	50	200
201-12-1015	1/2"	40	160
201-12-1020	3/4"	25	100
201-12-1025	1"	18	72
201-12-1032	1"1/4	10	40
201-12-1040	1"1/2	6	24
201-12-1050	2"	3	12

cim® 301-12

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
301-12-1008	1/4"	50	200
301-12-1010	3/8"	50	200
301-12-1015	1/2"	30	120
301-12-1020	3/4"	20	80
301-12-1025	1"	15	48
301-12-1032	1"1/4	10	40
301-12-1040	1"1/2	6	24
301-12-1050	2"	3	12

cim® 12PTF

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle - P.T.F.E. coated ball

CODE	SIZE		
12PTF-1015	1/2"	40	160
12PTF-1020	3/4"	25	100
12PTF-1025	1"	16	64
12PTF-1032	1"1/4	10	40
12PTF-1040	1"1/2	6	24
12PTF-1050	2"	4	16

cim® 312PTF

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - P.T.F.E. coated ball

CODE	SIZE		
312PTF-1015	1/2"	50	200
312PTF-1020	3/4"	30	120
312PTF-1025	1"	20	80
312PTF-1032	1"1/4	12	48
312PTF-1040	1"1/2	7	28
312PTF-1050	2"	4	16

cim® 12AF

T12 series - ANTIFROST ball valve - Full bore - Brass CW617N DW - Aluminium lever handle

CODE	SIZE		
12AF-1015	1/2"	40	160
12AF-1020	3/4"	25	100
12AF-1025	1"	16	64
12AF-1032	1"1/4	10	40
12AF-1040	1"1/2	6	24
12AF-1050	2"	4	16

cim® 312AF

T12 series - ANTIFROST ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
312AF-1015	1/2"	50	200
312AF-1020	3/4"	30	120
312AF-1025	1"	20	80
312AF-1032	1"1/4	12	48
312AF-1040	1"1/2	7	28
312AF-1050	2"	4	16

cim® 209

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle - Compression/Compression

CODE	SIZE		
209-5010	10 × 10	50	200
209-5012	12 × 12	50	200
209-5015	15 × 15	30	120
209-5018	18 × 18	20	80
209-5022	22 × 22	20	80
209-5028	28 × 28	15	60
209-5035	35 × 35	8	32
209-5042	42 × 42	6	24
209-5054	54 × 54	3	12

cim® 309

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - Compression/Compression

CODE	SIZE		
309-5010	10 × 10	50	200
309-5012	12 × 12	50	200
309-5015	15 × 15	30	120
309-5018	18 × 18	20	80
309-5022	22 × 22	20	80
309-5028	28 × 28	15	60
309-5035	35 × 35	8	32
309-5042	42 × 42	6	24
309-5054	54 × 54	3	12

cim® 209FE

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle - Female/Compression

CODE	SIZE		
209FE-3084	3/8" x 10	50	200
209FE-3086	3/8" x 12	50	200
209FE-3110	1/2" x 15	30	120
209FE-3137	3/4" x 22	20	80
209FE-3159	1" x 28	15	60
209FE-3182	1"1/4 × 35	8	32
209FE-3206	1"1/2 × 42	6	24
209FE-3233	2" x 54	3	12

cim® 309FE

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - Female/Compression

CODE	SIZE		
309FE-3084	3/8" x 10	50	200
309FE-3086	3/8" x 12	50	200
309FE-3110	1/2" x 15	30	120
309FE-3137	3/4" x 22	20	80
309FE-3159	1" x 28	15	60
309FE-3182	1"1/4 × 35	8	32
309FE-3206	1"1/2 × 42	6	24
309FE-3233	2" x 54	3	12

cim® 209MA

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle - Male/Compression

CODE	SIZE		
209MA-3084	3/8" x 10	50	200
209MA-3086	3/8" x 12	50	200
209MA-3110	1/2" x 15	30	120
209MA-3133	3/4" x 18	20	80
209MA-3137	3/4" x 22	20	80
209MA-3159	1" x 28	15	60
209MA-3182	1"1/4 × 35	8	32
209MA-3206	1"1/2 × 42	6	24
209MA-3233	2" x 54	3	12

cim® 309MA

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - Male/Compression

CODE	SIZE		
309MA-3084	3/8" x 10	50	200
309MA-3086	3/8" x 12	50	200
309MA-3110	1/2" x 15	30	120
309MA-3133	3/4" x 18	20	80
309MA-3137	3/4" x 22	20	80
309MA-3159	1" x 28	15	60
309MA-3182	1"1/4 × 35	8	32
309MA-3206	1"1/2 × 42	6	24
309MA-3233	2" x 54	3	12

cim® 613

T12 series - Ball valve - Full bore - Brass CW617N DW - Nylon 6/6 speed reducer hand wheel - Compression/Compression

CODE	SIZE		
613-5015	15 × 15	2	26
613-5018	18 × 18	2	26
613-5022	22 × 22	2	26
613-5028	28 × 28	2	26
613-5035	35 × 35	1	12
613-5042	42 × 42	1	12
613-5054	54 × 54	1	12

cim® 12SI

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lockable handle - Lockable open/closed

CODE	SIZE		
12SI-1015	1/2"	20	80
12SI-1020	3/4"	15	60
12SI-1025	1"	10	40

cim® 12NPT

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle - NPT threading

CODE	SIZE		
12NPT-1008	1/4"	50	200
12NPT-1010	3/8"	50	200
12NPT-1015	1/2"	40	160
12NPT-1020	3/4"	25	100
12NPT-1025	1"	16	64
12NPT-1032	1"1/4	10	40
12NPT-1040	1"1/2	6	24
12NPT-1050	2"	4	16
12NPT-1070	2"1/2	2	4
12NPT-1080	3"	2	4
12NPT-1100	4"	2	4

cim® 312NPT

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - NPT threading

CODE	SIZE		
312NPT-1008	1/4"	50	200
312NPT-1010	3/8"	50	200
312NPT-1015	1/2"	50	200
312NPT-1020	3/4"	30	120
312NPT-1025	1"	20	80
312NPT-1032	1"1/4	12	48
312NPT-1040	1"1/2	7	28
312NPT-1050	2"	4	16

cim® 12CR

T12 series - Ball valve - Full bore - Brass CW625N DW - Aluminium lever handle

CODE	SIZE		
12CR-1008	1/4"	50	200
12CR-1010	3/8"	50	200
12CR-1015	1/2"	40	160
12CR-1020	3/4"	25	100
12CR-1025	1"	16	64
12CR-1032	1"1/4	10	40
12CR-1040	1"1/2	6	24
12CR-1050	2"	4	16

cim® 312CR

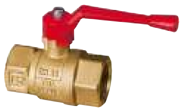
T12 series - Ball valve - Full bore - Brass CW625N DW - Aluminium butterfly handle

CODE	SIZE		
312CR-1008	1/4"	50	200
312CR-1010	3/8"	50	200
312CR-1015	1/2"	50	200
312CR-1020	3/4"	30	120
312CR-1025	1"	20	80
312CR-1032	1"1/4	12	48
312CR-1040	1"1/2	7	28
312CR-1050	2"	4	16

cim® 12CRAF

T12 series - ANTIFROST ball valve - Full bore - Brass CW625N DW - Aluminium lever handle

CODE	SIZE		
12CRAF-1015	1/2"	40	160
12CRAF-1020	3/4"	25	100
12CRAF-1025	1"	16	64
12CRAF-1032	1"1/4	10	40
12CRAF-1040	1"1/2	6	24
12CRAF-1050	2"	4	16



cim® 312CRAF

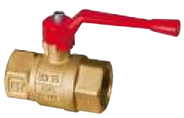
T12 series - ANTIFROST ball valve - Full bore - Brass CW625N DW - Aluminium butterfly handle

CODE	SIZE		
312CRAF-1015	1/2"	50	200
312CRAF-1020	3/4"	30	120
312CRAF-1025	1"	20	80
312CRAF-1032	1"1/4	12	48
312CRAF-1040	1"1/2	7	28
312CRAF-1050	2"	4	16

cim® 12CRPTF

T12 series - Ball valve - Full bore - Brass CW625N DW - Aluminium lever handle - P.T.F.E. coated ball

CODE	SIZE		
12CRPTF-1015	1/2"	40	160
12CRPTF-1020	3/4"	25	100
12CRPTF-1025	1"	16	64
12CRPTF-1032	1"1/4	10	40
12CRPTF-1040	1"1/2	6	24
12CRPTF-1050	2"	4	16



cim® 312CRPTF

T12 series - Ball valve - Full bore - Brass CW625N DW - Aluminium butterfly handle - P.T.F.E. coated ball

CODE	SIZE		
312CRPTF-1015	1/2"	50	200
312CRPTF-1020	3/4"	30	120
312CRPTF-1025	1"	20	80
312CRPTF-1032	1"1/4	12	48
312CRPTF-1040	1"1/2	7	28
312CRPTF-1050	2"	4	16

cim® A12CR

T12 series - Ball valve - Full bore - Brass CW625N DW - Nylon 6/6 handle

CODE	SIZE		
A12CR-1015	1/2"	30	120
A12CR-1020	3/4"	18	72
A12CR-1025	1"	12	48
A12CR-1032	1"1/4	8	32
A12CR-1040	1"1/2	6	24
A12CR-1050	2"	4	16

cim® B12CR

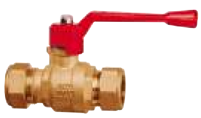
T12 series - Ball valve - Full bore - Brass CW625N DW - Lockable brass safety cap

CODE	SIZE		
B12CR-1015	1/2"	20	80
B12CR-1020	3/4"	15	60
B12CR-1025	1"	10	40
B12CR-1032	1"1/4	8	32

cim® 209CR

T12 series - Ball valve - Full bore - Brass CW625N DW - Aluminium lever handle - Compression/Compression

CODE	SIZE		
209CR-5010	10 × 10	50	200
209CR-5012	12 × 12	50	200
209CR-5015	15 × 15	30	120
209CR-5018	18 × 18	20	80
209CR-5022	22 × 22	20	80
209CR-5028	28 × 28	15	60
209CR-5035	35 × 35	8	32
209CR-5042	42 × 42	6	24
209CR-5054	54 × 54	3	12



cim® 309CR

T12 series - Ball valve - Full bore - Brass CW625N DW - Aluminium butterfly handle - Compression/Compression

CODE	SIZE		
309CR-5010	10 × 10	50	200
309CR-5012	12 × 12	50	200
309CR-5015	15 × 15	30	120
309CR-5018	18 × 18	20	80
309CR-5022	22 × 22	20	80
309CR-5028	28 × 28	15	60
309CR-5035	35 × 35	8	32
309CR-5042	42 × 42	6	24
309CR-5054	54 × 54	3	12

cim® 209CRFE

T12 series - Ball valve - Full bore - Brass CW625N DW - Aluminium lever handle - Female/Compression

CODE	SIZE		
209CRFE-3084	3/8" x 10	50	200
209CRFE-3086	3/8" x 12	50	200
209CRFE-3110	1/2" x 15	30	120
209CRFE-3137	3/4" x 22	20	80
209CRFE-3159	1" x 28	15	60
209CRFE-3182	1"1/4 x 35	8	32
209CRFE-3206	1"1/2 x 42	6	24
209CRFE-3233	2" x 54	3	12

cim® 309CRFE

T12 series - Ball valve - Full bore - Brass CW625N DW - Aluminium butterfly handle - Female/Compression

CODE	SIZE		
309CRFE-3084	3/8" x 10	50	200
309CRFE-3086	3/8" x 12	50	200
309CRFE-3110	1/2" x 15	30	120
309CRFE-3137	3/4" x 22	20	80
309CRFE-3159	1" x 28	15	60
309CRFE-3182	1"1/4 x 35	8	32
309CRFE-3206	1"1/2 x 42	6	24
309CRFE-3233	2" x 54	3	12

cim® 209CRMA

T12 series - Ball valve - Full bore - Brass CW625N DW - Aluminium lever handle - Male/Compression

CODE	SIZE		
209CRMA-3084	3/8" x 10	50	200
209CRMA-3086	3/8" x 12	50	200
209CRMA-3110	1/2" x 15	30	120
209CRMA-3133	3/4" x 18	20	80
209CRMA-3137	3/4" x 22	20	80
209CRMA-3159	1" x 28	15	60
209CRMA-3182	1"1/4 x 35	8	32
209CRMA-3206	1"1/2 x 42	6	24
209CRMA-3233	2" x 54	3	12

cim® 309CRMA

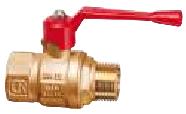
T12 series - Ball valve - Full bore - Brass CW625N DW - Aluminium butterfly handle - Male/Compression

CODE	SIZE		
309CRMA-3084	3/8" x 10	50	200
309CRMA-3086	3/8" x 12	50	200
309CRMA-3110	1/2" x 15	30	120
309CRMA-3133	3/4" x 18	20	80
309CRMA-3137	3/4" x 22	20	80
309CRMA-3159	1" x 28	15	60
309CRMA-3182	1"1/4 x 35	8	32
309CRMA-3206	1"1/2 x 42	6	24
309CRMA-3233	2" x 54	3	12

cim® 201-12CR

T12 series - Ball valve - Full bore - Brass CW625N DW - Aluminium lever handle

CODE	SIZE		
201-12CR-1008	1/4"	50	200
201-12CR-1010	3/8"	50	200
201-12CR-1015	1/2"	40	160
201-12CR-1020	3/4"	25	100
201-12CR-1025	1"	18	72
201-12CR-1032	1"1/4	10	40
201-12CR-1040	1"1/2	6	24
201-12CR-1050	2"	4	16



cim® 301-12CR

T12 series - Ball valve - Full bore - Brass CW625N DW - Aluminium butterfly handle

CODE	SIZE		
301-12CR-1008	1/4"	50	200
301-12CR-1010	3/8"	50	200
301-12CR-1015	1/2"	40	160
301-12CR-1020	3/4"	25	100
301-12CR-1025	1"	20	80
301-12CR-1032	1"1/4	12	48
301-12CR-1040	1"1/2	7	28
301-12CR-1050	2"	4	16

cim® 11

T12 series - Ball valve - Full bore - Brass CW617N DW - Steel lever handle

CODE	SIZE		
11-1008	1/4"	50	200
11-1010	3/8"	50	200
11-1015	1/2"	40	160
11-1020	3/4"	25	100
11-1025	1"	16	64
11-1032	1"1/4	10	40
11-1040	1"1/2	6	24
11-1050	2"	4	16
11-1070	2"1/2	2	4
11-1080	3"	2	4
11-1100	4"	2	4

cim® 11AF

T12 series - ANTIFROST ball valve - Full bore - Brass CW617N DW - Steel lever handle

CODE	SIZE		
11AF-1015	1/2"	40	160
11AF-1020	3/4"	25	100
11AF-1025	1"	16	64
11AF-1032	1"1/4	10	40
11AF-1040	1"1/2	6	24
11AF-1050	2"	4	16

cim® 11PTF

T12 series - Ball valve - Full bore - Brass CW617N DW - Steel lever handle - P.T.F.E. coated ball

CODE	SIZE		
11PTF-1015	1/2"	40	160
11PTF-1020	3/4"	25	100
11PTF-1025	1"	16	64
11PTF-1032	1"1/4	10	40
11PTF-1040	1"1/2	6	24
11PTF-1050	2"	4	16

cim® 11CR

T12 series - Ball valve - Full bore - Brass CW625N DW - Steel lever handle

CODE	SIZE		
11CR-1008	1/4"	50	200
11CR-1010	3/8"	50	200
11CR-1015	1/2"	40	160
11CR-1020	3/4"	25	100
11CR-1025	1"	16	64
11CR-1032	1"1/4	12	48
11CR-1040	1"1/2	6	24
11CR-1050	2"	4	16

cim® 11CRNL

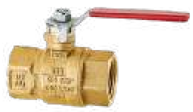
T12 series - Ball valve - Full bore - Brass CW511L - Steel lever handle

CODE	SIZE		
11CRNL-1008	1/4"	50	200
11CRNL-1010	3/8"	50	200
11CRNL-1015	1/2"	40	160
11CRNL-1020	3/4"	25	100
11CRNL-1025	1"	16	64
11CRNL-1032	1"1/4	12	48
11CRNL-1040	1"1/2	6	24
11CRNL-1050	2"	4	16

cim® 11NPT

T12 series - Ball valve - Full bore - Brass CW617N DW - Steel lever handle - NPT threading

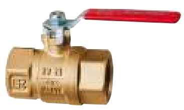
CODE	SIZE		
11NPT-1008	1/4"	50	200
11NPT-1010	3/8"	50	200
11NPT-1015	1/2"	40	160
11NPT-1020	3/4"	25	100
11NPT-1025	1"	16	64
11NPT-1032	1"1/4	10	40
11NPT-1040	1"1/2	6	24
11NPT-1050	2"	4	16
11NPT-1070	2"1/2	2	4
11NPT-1080	3"	2	4



cim® 11CRAF

T12 series - ANTIFROST ball valve - Full bore - Brass CW625N DW - Steel lever handle

CODE	SIZE		
11CRAF-1010	3/8"	50	100
11CRAF-1015	1/2"	40	80
11CRAF-1020	3/4"	25	50
11CRAF-1025	1"	16	32
11CRAF-1032	1"1/4	10	24
11CRAF-1040	1"1/2	6	12
11CRAF-1050	2"	4	8



cim® 11CRPTF

T12 series - Ball valve - Full bore - Brass CW625N DW - Steel lever handle - P.T.F.E. coated ball

CODE	SIZE		
11CRPTF-1015	1/2"	40	160
11CRPTF-1020	3/4"	25	100
11CRPTF-1025	1"	16	64
11CRPTF-1032	1"1/4	10	40
11CRPTF-1040	1"1/2	6	24
11CRPTF-1050	2"	4	16

cim® 209M

T12 series - Ball valve - Full bore - Brass CW617N DW - Steel lever handle - Compression/Compression

CODE	SIZE		
209M-5010	10 × 10	50	200
209M-5012	12 × 12	50	200
209M-5015	15 × 15	30	120
209M-5018	18 × 18	20	80
209M-5022	22 × 22	20	80
209M-5028	28 × 28	15	60
209M-5035	35 × 35	8	32
209M-5042	42 × 42	6	24
209M-5054	54 × 54	3	12

cim® 209MFE

T12 series - Ball valve - Full bore - Brass CW617N DW - Steel lever handle - Female/Compression

CODE	SIZE		
209MFE-3084	3/8" x 10	50	200
209MFE-3086	3/8" x 12	50	200
209MFE-3110	1/2" x 15	30	120
209MFE-3137	3/4" x 22	20	80
209MFE-3159	1" x 28	15	60
209MFE-3182	1"1/4 × 35	8	32
209MFE-3206	1"1/2 × 42	6	24
209MFE-3233	2" x 54	3	12

cim® 209MMA

T12 series - Ball valve - Full bore - Brass CW617N DW - Steel lever handle - Male/Compression

CODE	SIZE		
209MMA-3084	3/8" x 10	50	200
209MMA-3086	3/8" x 12	50	200
209MMA-3110	1/2" x 15	30	120
209MMA-3133	3/4" x 18	20	80
209MMA-3137	3/4" x 22	20	80
209MMA-3159	1" x 28	15	60
209MMA-3182	1"1/4 x 35	8	32
209MMA-3206	1"1/2 x 42	6	24
209MMA-3233	2" x 54	3	12

cim® 209MCR

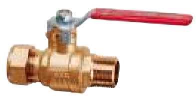
T12 series - Ball valve - Full bore - Brass CW625N DW - Steel lever handle - Compression/Compression

CODE	SIZE		
209MCR-5010	10 × 10	50	200
209MCR-5012	12 × 12	50	200
209MCR-5015	15 × 15	30	120
209MCR-5018	18 × 18	20	80
209MCR-5022	22 × 22	20	80
209MCR-5028	28 × 28	15	60
209MCR-5035	35 × 35	8	32
209MCR-5042	42 × 42	6	24
209MCR-5054	54 × 54	3	12

cim® 209CRMMA

T12 series - Ball valve - Full bore - Brass CW625N DW - Steel lever handle - Male/Compression

CODE	SIZE		
209CRMMA-3084	3/8" x 10	50	200
209CRMMA-3086	3/8" x 12	50	200
209CRMMA-3110	1/2" x 15	30	120
209CRMMA-3133	3/4" x 18	20	80
209CRMMA-3137	3/4" x 22	20	80
209CRMMA-3159	1" x 28	15	60
209CRMMA-3182	1"1/4 × 35	8	32
209CRMMA-3206	1"1/2 x 42	6	24
209CRMMA-3233	2" x 54	3	12



cim® 209CRMFE

T12 series - Ball valve - Full bore - Brass CW625N DW - Steel lever handle - Female/Compression

CODE	SIZE		
209CRMFE-3084	3/8"F x 10	50	200
209CRMFE-3086	3/8"F x 12	50	200
209CRMFE-3110	1/2"F x 15	30	120
209CRMFE-3137	3/4"F x 22	20	80
209CRMFE-3159	1"F x 28	15	60
209CRMFE-3182	1"1/4 F x 35	8	32
209CRMFE-3206	1"1/2 F x 42	6	24
209CRMFE-3233	2"F x 54	3	12

cim® 544CRNL

T12 series - Isolation ball valve - Full bore - Brass CW511L - Steel lever handle - Compression/Compression

CODE	SIZE		
544CRNL-5015	15 × 15	20	80
544CRNL-5018	18 × 18	15	60
544CRNL-5022	22 × 22	15	60
544CRNL-5028	28 × 28	10	40
544CRNL-5035	35 × 35	6	24
544CRNL-5042	42 × 42	4	16
544CRNL-5054	54 × 54	2	8

cim® 511CRNL

T12 series - Isolation ball valve - Full bore - Brass CW511L - Steel lever handle

CODE	SIZE		
511CRNL-1015	1/2"	20	80
511CRNL-1020	3/4"	15	60
511CRNL-1025	1"	10	40
511CRNL-1032	1"1/4	6	24
511CRNL-1040	1"1/2	4	16
511CRNL-1050	2"	2	8

cim® 512CRNL

T12 series - Isolation ball valve - Full bore - Brass CW511L - Aluminium lever handle

CODE	SIZE		
512CRNL-1015	1/2"	25	100
512CRNL-1020	3/4"	20	80
512CRNL-1025	1"	10	40
512CRNL-1032	1"1/4	6	24
512CRNL-1040	1"1/2	4	16
512CRNL-1050	2"	2	8

cim® 12CROT

T12 series - Ball valve - Full bore - Brass CW625N DW - Brass lever handle

CODE	SIZE		
12CROT-1015	1/2"	25	100
12CROT-1020	3/4"	16	64
12CROT-1025	1"	12	48
12CROT-1032	1"1/4	12	48
12CROT-1040	1"1/2	5	20
12CROT-1050	2"	3	12

cim® 12CRSI

T12 series - Ball valve - Full bore - Brass CW625N DW - Aluminium lockable handle with lockable lock open/closed

CODE	SIZE		
12CRSI-1015	1/2"	20	80
12CRSI-1020	3/4"	15	60
12CRSI-1025	1"	10	40

cim® 612CR

T12 series - Ball valve - Full bore - Brass CW625N DW - Nylon 6/6 speed reducer hand wheel

CODE	SIZE		
612CR-1015	1/2"	2	26
612CR-1020	3/4"	2	26
612CR-1025	1"	2	26
612CR-1032	1"1/4	1	12
612CR-1040	1"1/2	1	12
612CR-1050	2"	1	12

cim® 613CR

T12 series - Ball valve - Full bore - Brass CW625N DW - Nylon 6/6 speed reducer hand wheel - Compression/Compression

CODE	SIZE		
613CR-5015	15 × 15	2	26
613CR-5018	18 × 18	-	-
613CR-5022	22 × 22	2	26
613CR-5028	28 × 28	2	26
613CR-5035	35 × 35	1	12
613CR-5042	42 × 42	1	12
613CR-5054	54 × 54	1	12

cim® 12CRNL

T12 series - Ball valve - Full bore - Brass CW511L - Aluminium lever handle

CODE	SIZE		
12CRNL-1008	1/4"	50	200
12CRNL-1010	3/8"	50	200
12CRNL-1015	1/2"	40	160
12CRNL-1020	3/4"	25	100
12CRNL-1025	1"	16	64
12CRNL-1032	1"1/4	10	40
12CRNL-1040	1"1/2	6	24
12CRNL-1050	2"	4	16

cim® 312CRNL

T12 series - Ball valve - Full bore - Brass CW511L - Aluminium butterfly handle

CODE	SIZE		
312CRNL-1008	1/4"	50	100
312CRNL-1010	3/8"	50	100
312CRNL-1015	1/2"	50	100
312CRNL-1020	3/4"	30	60
312CRNL-1025	1"	20	40
312CRNL-1032	1"1/4	12	24
312CRNL-1040	1"1/2	7	14
312CRNL-1050	2"	4	8

cim® 12CRNLOT

T12 series - Ball valve - Full bore - Brass CW511L - Brass lever handle

CODE	SIZE		
12CRNLOT-1015	1/2"	25	100
12CRNLOT-1020	3/4"	16	64
12CRNLOT-1025	1"	12	48
12CRNLOT-1032	1"1/4	6	24
12CRNLOT-1040	1"1/2	5	20
12CRNLOT-1050	2"	3	12

cim® A12CRNL

T12 series - Ball valve - Full bore - Brass CW511L - Nylon 6/6 handle

CODE	SIZE		
A12CRNL-1015	1/2"	30	120
A12CRNL-1020	3/4"	20	80
A12CRNL-1025	1"	15	60
A12CRNL-1032	1"1/4	10	40
A12CRNL-1040	1"1/2	6	24
A12CRNL-1050	2"	4	16

cim® 612CRNL

T12 series - Ball valve - Full bore - Brass CW511L - Nylon 6/6 speed reducer hand wheel

CODE	SIZE		
612CRNL-1015	1/2"	2	26
612CRNL-1020	3/4"	2	26
612CRNL-1025	1"	2	26
612CRNL-1032	1"1/4	1	12
612CRNL-1040	1"1/2	1	12
612CRNL-1050	2"	1	12

cim® 545CRNL

T12 series - Isolation ball valve - Full bore - Brass CW511L - Aluminium lever handle - Compression/Compression

CODE	SIZE		
545CRNL-5015	15 × 15	20	80
545CRNL-5018	18 × 18	15	60
545CRNL-5022	22 × 22	15	60
545CRNL-5028	28 × 28	10	40
545CRNL-5035	35 × 35	6	24
545CRNL-5042	42 × 42	4	16
545CRNL-5054	54 × 54	2	8

cim® 728B

Insulating case for isolation ball valves

CODE	SIZE		
728B-1015	1/2"	-	40
728B-1020	3/4"	5	20
728B-1025	1"	4	16
728B-1032	1"1/4	-	10
728B-1040	1"1/2	-	10
728B-1050	2"	-	10

cim® 206-12

T12 series - Ball valve - Full bore - Brass CW617N DW - Brass square cap 20 × 20 lockable open/closed

CODE	SIZE		
206-12-1015	1/2"	40	160
206-12-1020	3/4"	25	100
206-12-1025	1"	20	80
206-12-1032	1"1/4	12	48
206-12-1040	1"1/2	7	28
206-12-1050	2"	4	16

cim® 207-12

T12 series - Ball valve - Full bore - Brass CW617N DW - Brass square cap 20 × 20 lockable open/closed

CODE	SIZE		
207-12-1015	1/2"	40	160
207-12-1020	3/4"	25	100
207-12-1025	1"	20	80
207-12-1032	1"1/4	12	48
207-12-1040	1"1/2	7	28
207-12-1050	2"	4	16

cim® 208-12

T12 series - Ball valve - Full bore - Brass CW617N DW - Brass square cap 20 × 20 lockable open/closed

CODE	SIZE		
208-12-1015	1/2"	40	160
208-12-1020	3/4"	25	100
208-12-1025	1"	20	80
208-12-1032	1"1/4	12	48
208-12-1040	1"1/2	7	28
208-12-1050	2"	4	16

cim® 306-12

T12 series - Ball valve - Full bore - Brass CW617N DW - Brass cap sealing type lockable open/closed

CODE	SIZE		
306-12-1015	1/2"	50	200
306-12-1020	3/4"	30	120
306-12-1025	1"	20	80
306-12-1032	1 "1/4	12	48
306-12-1040	1"1/2	7	28
306-12-1050	2"	4	16
306-12-1070	2"1/2	2	4
306-12-1080	3"	2	4

cim® 307-12

T12 series - Ball valve - Full bore - Brass CW617N DW - Brass cap sealing type lockable open/closed

CODE	SIZE		
307-12-1015	1/2"	50	200
307-12-1020	3/4"	30	120
307-12-1025	1"	20	80
307-12-1032	1"1/4	12	48
307-12-1040	1"1/2	7	28
307-12-1050	2"	4	16

cim® 308-12

T12 series - Ball valve - Full bore - Brass CW617N DW - Brass cap sealing type lockable open/closed

CODE	SIZE		
308-12-1015	1/2"	50	200
308-12-1020	3/4"	30	120
308-12-1025	1"	20	80
308-12-1032	1"1/4	12	48
308-12-1040	1"1/2	7	28
308-12-1050	2"	4	16

cim® 406-12

T12 series - Ball valve - Full bore - Brass CW617N DW - Brass square cap 28 × 28

CODE	SIZE		
406-12-1015	1/2"	40	160
406-12-1020	3/4"	25	100
406-12-1025	1"	20	80
406-12-1032	1"1/4	12	48
406-12-1040	1"1/2	7	28
406-12-1050	2"	4	16
406-12-1070	2"1/2	2	4
406-12-1080	3"	1	2

cim® 407-12

T12 series - Ball valve - Full bore - Brass CW617N DW - Brass square cap 28 × 28

CODE	SIZE		
407-12-1015	1/2"	40	160
407-12-1020	3/4"	25	100
407-12-1025	1"	20	80
407-12-1032	1"1/4	12	48
407-12-1040	1"1/2	7	28
407-12-1050	2"	4	16

cim® 408-12

T12 series - Ball valve - Full bore - Brass CW617N DW - Brass square cap 28 × 28

CODE	SIZE		
408-12-1015	1/2"	40	160
408-12-1020	3/4"	25	100
408-12-1025	1"	20	80
408-12-1032	1"1/4	12	48
408-12-1040	1"1/2	7	28
408-12-1050	2"	4	16

cim® 280

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle - PE/PE

CODE	SIZE		
280-4025	25 × 25 DN 15	20	80
280-5025	25 × 25 DN 20	15	60
280-5032	32 × 32 DN 20	15	60

cim® 380

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - PE/PE

CODE	SIZE		
380-4025	25 × 25 DN 15	20	80
380-5025	25 × 25 DN 20	15	60
380-5032	32 × 32 DN 20	15	60

cim® 281

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle - Female/PE

CODE	SIZE		
281-3118	1/2" x 20	25	100
281-3120	1/2" x 25	25	100
281-3146	3/4" x 20	15	60
281-3147	3/4" x 25	15	60
281-3149	3/4" x 32	15	60
281-3160	1" x 25	15	60
281-3169	1" x 32	10	40
281-3170	1" x 32	10	40
281-3183	1"1/4 × 40	6	24
281-3209	1"1/2 × 50	4	16

cim® 381

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - Female/PE

CODE	SIZE		
381-3118	1/2" x 20	25	100
381-3120	1/2" x 25	25	100
381-3146	3/4" x 20	15	60
381-3147	3/4" x 25	15	60
381-3149	3/4" x 32	15	60
381-3160	1" x 25	15	60
381-3169	1" x 32	10	40
381-3170	1" x 32	10	40
381-3183	1"1/4 × 40	6	24
381-3209	1"1/2 × 50	4	16

cim® 382

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - Male/PE

CODE	SIZE		
382-3118	1/2" x 20	25	100
382-3120	1/2" x 25	25	100
382-3146	3/4" x 25	15	60
382-3147	3/4" x 20	15	60
382-3149	3/4" x 32	15	60
382-3160	1" x 25	15	60
382-3169	1" x 32	10	40
382-3170	1" x 32	10	40
382-3183	1"1/4 × 40	6	24
382-3209	1"1/2 × 50	4	16

cim® 234

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
234-2102	1/2" x 1/2"	30	120
234-2128	3/4" x 3/4"	18	72
234-2154	1" x 1"	10	40

cim® 235

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
235-2102	1/2" x 1/2"	30	120
235-2128	3/4" x 3/4"	18	72
235-2154	1" x 1"	10	40

cim® 236

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
236-2102	1/2" x 1/2"	35	140
236-2128	3/4" x 3/4"	18	72
236-2154	1" x 1"	10	40

cim® 237

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
237-2102	1/2" x 1/2"	35	140
237-2128	3/4" x 3/4"	18	72
237-2154	1" x 1"	10	40

cim® 238

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - Female/Pipe union

CODE	SIZE		
238-2102	1/2" x 1/2"	25	100
238-2128	3/4" x 3/4"	20	80
238-2154	1" x 1"	12	48

cim® 239

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - Male/Pipe union

CODE	SIZE		
239-2102	1/2" x 1/2"	20	80
239-2128	3/4" x 3/4"	20	80
239-2154	1" x 1"	12	48

cim® 245

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - Female/Compression

CODE	SIZE		
245-3110	1/2" x 15	25	100
245-3137	3/4" x 22	18	72
245-3159	1" x 28	10	40

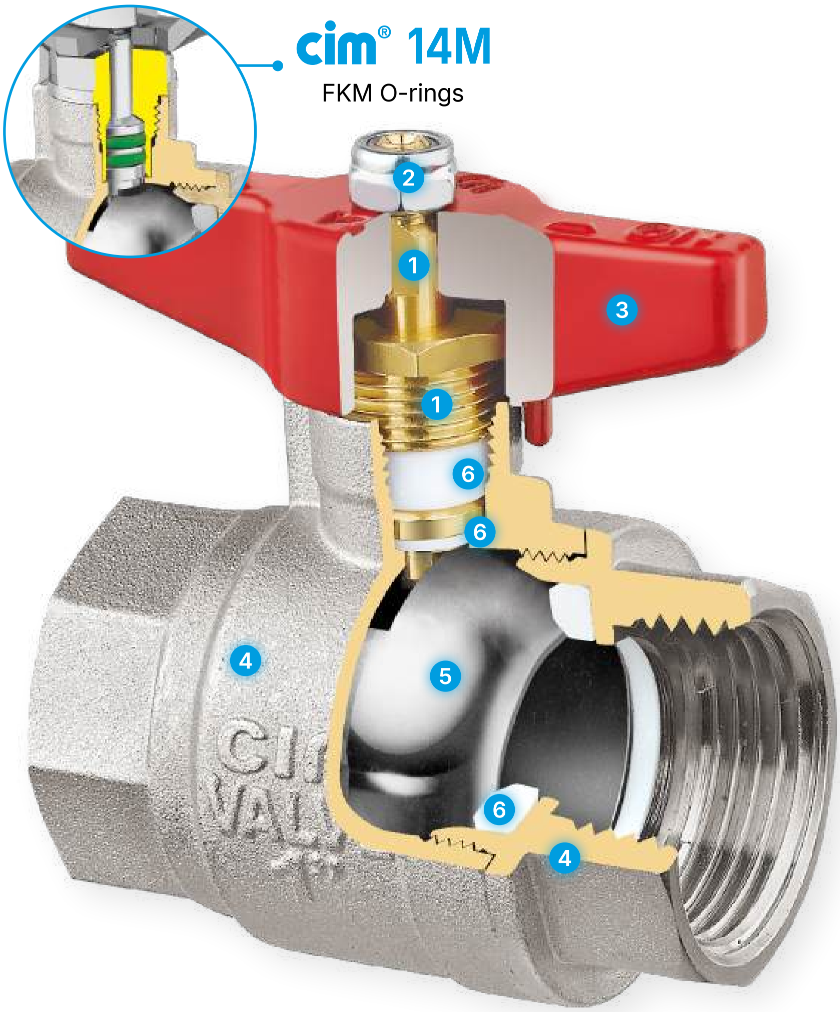
cim® 249

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - Male/Compression

CODE	SIZE		
249-3110	1/2" x 15	25	100
249-3137	3/4" x 22	18	72
249-3159	1" x 28	10	40

Ball valves **T14 SERIES**

Operating pressure: From PN 80 bar to PN 16 bar



1 STEM - GLAND:
Turned from brass bar:
EN 12164 CW617N DW

2 NUT:
Self-locking type -
A2 stainless steel

3 HANDLE:
Cim 14 - 314:
Aluminium alloy EN AB 46100,
epoxy painted

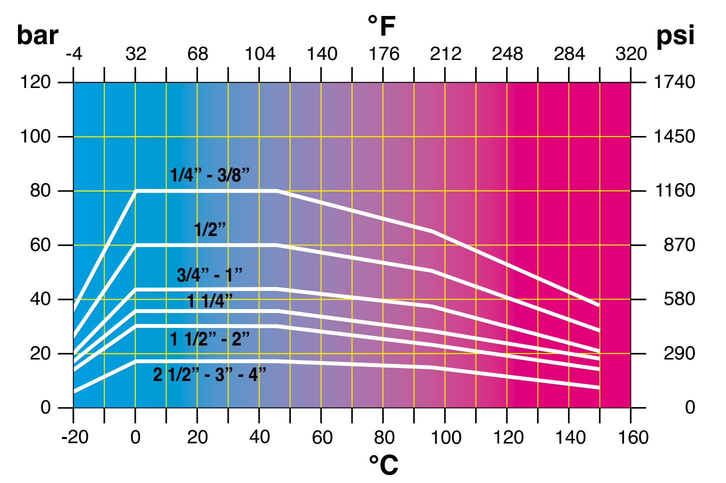
Cim 14M:
Steel EN10111-DD11
Geomet 321 - PVC coating

4 BODY - SCREWED CONNECTIONS:
Hot pressed from brass bar:
EN 12165 CW617N DW

5 BALL:
Hot pressed from brass bar: EN 12165 CW617N DW, mirror-like surface, micro-smooth finish, **TEA**® coating

6 BALL - STEM GASKETS:
Pure P.T.F.E. conical rings,
hardness 54-57 Shore D

PRESSURE/TEMPERATURE RATINGS



DN	PN	Ø mm	KV	CS	CM	MT
1/4"	80	10	8	2	1	10
3/8"	80	10	10	2	1	10
1/2"	60	15	17	6	3	10
3/4"	45	20	41	10	5	24
1"	45	25	68	12	6	24
1"1/4	35	32	123	14	7	45
1"1/2	32	40	198	20	10	90
2"	30	50	290	26	13	90
2"1/2	16	60	460	30	15	280
3"	16	72	748	38	19	280
4"	16	94	1225	58	29	550

KV: Flow rate in m3/h with a pressure drop of 1 bar with water temperature of 15.5°C (59.9°F)

CS: Starting torque in Nm
CM: Operating torque in Nm
MT: Stem breaking torque in Nm

cim® 14

T14 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle

CODE	SIZE		
14-1008	1/4"	50	200
14-1010	3/8"	50	200
14-1015	1/2"	40	160
14-1020	3/4"	25	100
14-1025	1"	20	80
14-1032	1"1/4	12	48
14-1040	1"1/2	6	24
14-1050	2"	4	16
14-1070	2"1/2	4	8
14-1080	3"	2	4
14-1100	4"	2	4

cim® 314

T14 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
314-1008	1/4"	50	200
314-1010	3/8"	50	200
314-1015	1/2"	50	200
314-1020	3/4"	30	120
314-1025	1"	20	80
314-1032	1"1/4	12	48
314-1040	1"1/2	8	32
314-1050	2"	5	20

cim® 14M

T14 series - Ball valve - Full bore - Brass CW617N DW - Steel lever handle

CODE	SIZE		
14M-1008	1/4"	50	200
14M-1010	3/8"	50	200
14M-1015	1/2"	40	160
14M-1020	3/4"	25	100
14M-1025	1"	20	80
14M-1032	1"1/4	12	48
14M-1040	1"1/2	6	24
14M-1050	2"	4	16
14M-1070	2"1/2	4	8
14M-1080	3"	2	4
14M-1100	4"	2	4

cim® 14AF

T14 series - ANTIFROST ball valve - Full bore - Brass CW617N DW - Aluminium lever handle

CODE	SIZE		
14AF-1015	1/2"	40	160
14AF-1020	3/4"	25	100
14AF-1025	1"	20	80
14AF-1032	1"1/4	12	48
14AF-1040	1"1/2	6	24
14AF-1050	2"	4	16

cim® 14PTF

T14 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle - P.T.F.E. coated ball

CODE	SIZE		
14PTF-1015	1/2"	40	160
14PTF-1020	3/4"	25	100
14PTF-1025	1"	16	64
14PTF-1032	1"1/4	10	40
14PTF-1040	1"1/2	6	24
14PTF-1050	2"	4	16

cim® 14OT

T14 series - Ball valve - Full bore - Brass CW617N DW - Brass lever handle

CODE	SIZE		
14OT-1015	1/2"	40	160
14OT-1020	3/4"	25	100
14OT-1025	1"	20	80
14OT-1032	1"1/4	12	48
14OT-1040	1"1/2	6	24
14OT-1050	2"	4	16

cim® A14

T14 series - Ball valve - Full bore - Brass CW617N DW - Nylon 6/6 handle

CODE	SIZE		
A14-1015	1/2"	30	120
A14-1020	3/4"	20	80
A14-1025	1"	15	60
A14-1032	1"1/4	10	40
A14-1040	1"1/2	6	24
A14-1050	2"	4	16

cim® 614

T14 series - Ball valve - Full bore - Brass CW617N DW - Nylon 6/6 speed reducer hand wheel

CODE	SIZE		
614-1015	1/2"	2	26
614-1020	3/4"	2	26
614-1025	1"	2	26
614-1032	1"1/4	1	12
614-1040	1"1/2	1	12
614-1050	2"	1	12

cim® T14

T14 series - Ball valve - Full bore - Brass CW617N DW - Nylon 6/6 handle - With thermometer

CODE	SIZE		
T14-1015	1/2"	30	120
T14-1020	3/4"	18	72
T14-1025	1"	10	40

cim® B14

T14 series - Ball valve - Full bore - Brass CW617N DW - Lockable brass safety cap

CODE	SIZE		
B14-1015	1/2"	20	80
B14-1020	3/4"	15	60
B14-1025	1"	10	40
B14-1032	1"1/4	8	32

cim® 201-14

T14 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle

CODE	SIZE		
201-14-1008	1/4"	50	200
201-14-1010	3/8"	50	200
201-14-1015	1/2"	40	160
201-14-1020	3/4"	25	100
201-14-1025	1"	20	80
201-14-1032	1"1/4	12	48
201-14-1040	1"1/2	6	24
201-14-1050	2"	4	16
201-14-1070	2"1/2	2	4
201-14-1080	3"	2	4
201-14-1100	4"	1	4

cim® 301-14

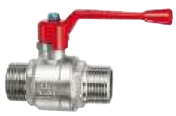
T14 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
301-14-1008	1/4"	50	160
301-14-1010	3/8"	50	100
301-14-1015	1/2"	40	64
301-14-1020	3/4"	25	40
301-14-1025	1"	20	24
301-14-1032	1"1/4	12	16
301-14-1040	1"1/2	6	4
301-14-1050	2"	4	2

cim®

T14 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle

CODE	SIZE		
202-14-1008	1/4"	50	200
202-14-1010	3/8"	50	200
202-14-1015	1/2"	40	160
202-14-1020	3/4"	25	100
202-14-1025	1"	18	72
202-14-1032	1"1/4	10	40
202-14-1040	1"1/2	6	24
202-14-1050	2"	4	16
202-14-1070	2"1/2	2	4
202-14-1080	3"	2	4
202-14-1100	4"	2	4



cim®

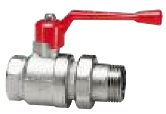
T14 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
302-14-1008	1/4"	50	200
302-14-1010	3/8"	50	200
302-14-1015	1/2"	40	160
302-14-1020	3/4"	30	120
302-14-1025	1"	20	80
302-14-1032	1"1/4	12	48
302-14-1040	1"1/2	8	32
302-14-1050	2"	5	20

cim® 246

T14 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle - Female/Pipe union

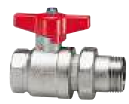
CODE	SIZE		
246-2102	1/2" x 1/2"	30	120
246-2128	3/4" x 3/4"	20	80
246-2154	1" x 1"	12	48
246-2180	1"1/4 × 1"1/4	7	28
246-2206	1"1/2 × 1"1/2	4	16



cim® 346

T14 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - Female/Pipe union

CODE	SIZE		
346-2102	1/2" x 1/2"	35	70
346-2128	3/4" x 3/4"	24	48
346-2154	1" x 1"	16	32
346-2180	1"1/4 × 1"1/4	10	20
346-2206	1"1/2 × 1"1/2	5	10



cim® 200

T14 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle - With drain point

CODE	SIZE		
200-1015	1/2"	30	120
200-1020	3/4"	25	100
200-1025	1"	16	64
200-1032	1"1/4	10	40
200-1040	1"1/2	6	24
200-1050	2"	4	16

cim® 300

T14 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - With drain point

CODE	SIZE		
300-1015	1/2"	30	120
300-1020	3/4"	25	100
300-1025	1"	16	64
300-1032	1"1/4	10	40
300-1040	1"1/2	6	24
300-1050	2"	4	16

cim® 14NE

T14 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle

CODE	SIZE		
14NE-1008	1/4"	50	200
14NE-1010	3/8"	50	200
14NE-1015	1/2"	40	160
14NE-1020	3/4"	25	100
14NE-1025	1"	20	80
14NE-1032	1"1/4	12	48
14NE-1040	1"1/2	6	24
14NE-1050	2"	4	16
14NE-1070	2"1/2	4	8
14NE-1080	3"	2	4
14NE-1100	4"	2	4

cim® 314NE

T14 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
314NE-1008	1/4"	50	200
314NE-1010	3/8"	50	200
314NE-1015	1/2"	40	160
314NE-1020	3/4"	25	100
314NE-1025	1"	20	80
314NE-1032	1"1/4	12	48
314NE-1040	1"1/2	6	24
314NE-1050	2"	4	16

cim® 201-14NE

T14 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle

CODE	SIZE		
201-14NE-1008	1/4"	50	200
201-14NE-1010	3/8"	50	200
201-14NE-1015	1/2"	40	160
201-14NE-1020	3/4"	25	100
201-14NE-1025	1"	20	80
201-14NE-1032	1"1/4	12	48
201-14NE-1040	1"1/2	6	24
201-14NE-1050	2"	4	16
201-14NE-1070	2"1/2	2	4
201-14NE-1080	3"	2	4
201-14NE-1100	4"	1	4

cim® 301-14NE

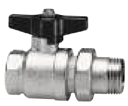
T14 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
301-14NE-1008	1/4"	50	200
301-14NE-1010	3/8"	50	200
301-14NE-1015	1/2"	40	160
301-14NE-1020	3/4"	30	120
301-14NE-1025	1"	20	80
301-14NE-1032	1"1/4	12	48
301-14NE-1040	1"1/2	8	32
301-14NE-1050	2"	5	20

cim® 346NE

T14 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - Female/Pipe union

CODE	SIZE		
346NE-2102	1/2" x 1/2"	35	70
346NE-2128	3/4" x 3/4"	24	48
346NE-2154	1" x 1"	16	32
346NE-2180	1"1/4 × 1"1/4	10	20
346NE-2206	1"1/2 × 1"1/2	5	10



cim® 206-14

T14 series - Ball valve - Full bore - Brass CW617N DW - Brass square cap 20 × 20 lockable open/closed

CODE	SIZE		
206-14-1015	1/2"	40	160
206-14-1020	3/4"	25	100
206-14-1025	1"	20	80
206-14-1032	1"1/4	12	48
206-14-1040	1"1/2	8	32
206-14-1050	2"	5	20

cim® 207-14

T14 series - Ball valve - Full bore - Brass CW617N DW - Brass square cap 20 × 20 lockable open/closed

CODE	SIZE		
207-14-1015	1/2"	40	160
207-14-1020	3/4"	25	100
207-14-1025	1"	20	80
207-14-1032	1"1/4	12	48
207-14-1040	1"1/2	8	32
207-14-1050	2"	5	20

cim® 208-14

T14 series - Ball valve - Full bore - Brass CW617N DW - Brass square cap 20 × 20 lockable open/closed

CODE	SIZE		
208-14-1015	1/2"	40	160
208-14-1020	3/4"	25	100
208-14-1025	1"	20	80
208-14-1032	1"1/4	12	48
208-14-1040	1"1/2	8	32
208-14-1050	2"	5	20

cim® 306-14

T14 series - Ball valve - Full bore - Brass CW617N DW - Brass cap sealing type lockable open/closed

CODE	SIZE		
306-14-1015	1/2"	50	200
306-14-1020	3/4"	30	120
306-14-1025	1"	20	80
306-14-1032	1"1/4	12	48
306-14-1040	1"1/2	8	32
306-14-1050	2"	5	20
306-14-1070	2"1/2	2	4
306-14-1080	3"	2	4

cim® 307-14

T14 series - Ball valve - Full bore - Brass CW617N DW - Brass cap sealing type lockable open/closed

CODE	SIZE		
307-14-1015	1/2"	50	200
307-14-1020	3/4"	30	120
307-14-1025	1"	20	80
307-14-1032	1"1/4	12	48
307-14-1040	1"1/2	8	32
307-14-1050	2"	5	20

cim® 308-14

T14 series - Ball valve - Full bore - Brass CW617N DW - Brass cap sealing type lockable open/closed

CODE	SIZE		
308-14-1015	1/2"	50	200
308-14-1020	3/4"	30	120
308-14-1025	1"	20	80
308-14-1032	1"1/4	12	48
308-14-1040	1"1/2	8	32
308-14-1050	2"	5	20

cim® 406-14

T14 series - Ball valve - Full bore - Brass CW617N DW - Brass square cap 28 × 28

CODE	SIZE		
406-14-1015	1/2"	40	160
406-14-1020	3/4"	25	100
406-14-1025	1"	20	80
406-14-1032	1"1/4	12	48
406-14-1040	1"1/2	8	32
406-14-1050	2"	5	20
406-14-1070	2"1/2	2	8
406-14-1080	3"	2	8

cim® 407-14

T14 series - Ball valve - Full bore - Brass CW617N DW - Brass square cap 28 × 28

CODE	SIZE		
407-14-1015	1/2"	40	160
407-14-1020	3/4"	25	100
407-14-1025	1"	20	80
407-14-1032	1"1/4	12	48
407-14-1040	1"1/2	8	32
407-14-1050	2"	5	20

cim® 408-14

T14 series - Ball valve - Full bore - Brass CW617N DW - Brass square cap 28 × 28

CODE	SIZE		
408-14-1015	1/2"	40	160
408-14-1020	3/4"	25	100
408-14-1025	1"	20	80
408-14-1032	1"1/4	12	48
408-14-1040	1"1/2	8	32
408-14-1050	2"	5	20

TEA® PLUS

Innovative coating for valves and components in contact with drinking water

The galvanic coating process **TEA**® PLUS represents an innovative and sustainable alternative to traditional coatings.
An advanced treatment that optimises efficiency, reduces environmental impact and guarantees superior performance, offering the following advantages:

- Completely free of chromium, lead, cobalt and cyanides, it guarantees compliance with the most stringent regulations.
- Longer coating life and extremely high corrosion resistance.
- **TEA**® PLUS It is approved by the UBA (German Federal Environment Agency) and is included in the "4MSI" list, which identifies materials suitable for use with drinking water: It is also included in the first version of the EUPL, in accordance with the requirements of Directive 2020/2184, which aims to establish a harmonised Community framework for regulating the requirements for materials intended to come into contact with drinking water and the minimum quality requirements for water intended for human consumption.

Salt spray comparison test: The image 1 shows CW511L brass valves treated with **TEA**® PLUS dafter 248 hours of testing; the samples show no signs of corrosion. The image 2 shows untreated CW511L brass valves: after 248 hours of testing, the samples show clear signs of corrosion.
The T14P series of ball valves, fully coated with **TEA**® PLUS ***already guarantees compliance with future regulations on materials intended to come into contact with drinking water.***

cim® 14 TEA® PLUS

T14 series - Ball valve - Full bore - Brass CW617N DW - TEA®PLUS coating - Aluminium ever handle

CODE	SIZE		
14-T1008	1/4"	50	200
14-T1010	3/8"	50	200
14-T1015	1/2"	40	160
14-T1020	3/4"	25	100
14-T1025	1"	20	80
14-T1032	1"1/4	12	48
14-T1040	1"1/2	6	24
14-T1050	2"	4	16
14-T1070	2"1/2	4	8
14-T1080	3"	2	4
14-T1100	4"	2	4

cim® 314 TEA® PLUS

T14 series - Ball valve - Full bore - Brass CW617N DW - TEA®PLUS coating - Aluminium butterfly handle

CODE	SIZE		
314-T1008	1/4"	50	200
314-T1010	3/8"	50	200
314-T1015	1/2"	50	200
314-T1020	3/4"	30	120
314-T1025	1"	20	80
314-T1032	1"1/4	12	48
314-T1040	1"1/2	8	32
314-T1050	2"	5	20

cim® 201-14 TEA® PLUS

T14 series - Ball valve - Full bore - Brass CW617N DW - TEA®PLUS coating - Aluminium lever handle

CODE	SIZE		
201-14-T1008	1/4"	50	200
201-14-T1010	3/8"	50	200
201-14-T1015	1/2"	40	160
201-14-T1020	3/4"	25	100
201-14-T1025	1"	20	80
201-14-T1032	1"1/4	12	48
201-14-T1040	1"1/2	6	24
201-14-T1050	2"	4	16
201-14-T1070	2"1/2	2	4
201-14-T1080	3"	2	4
201-14-T1100	4"	1	2

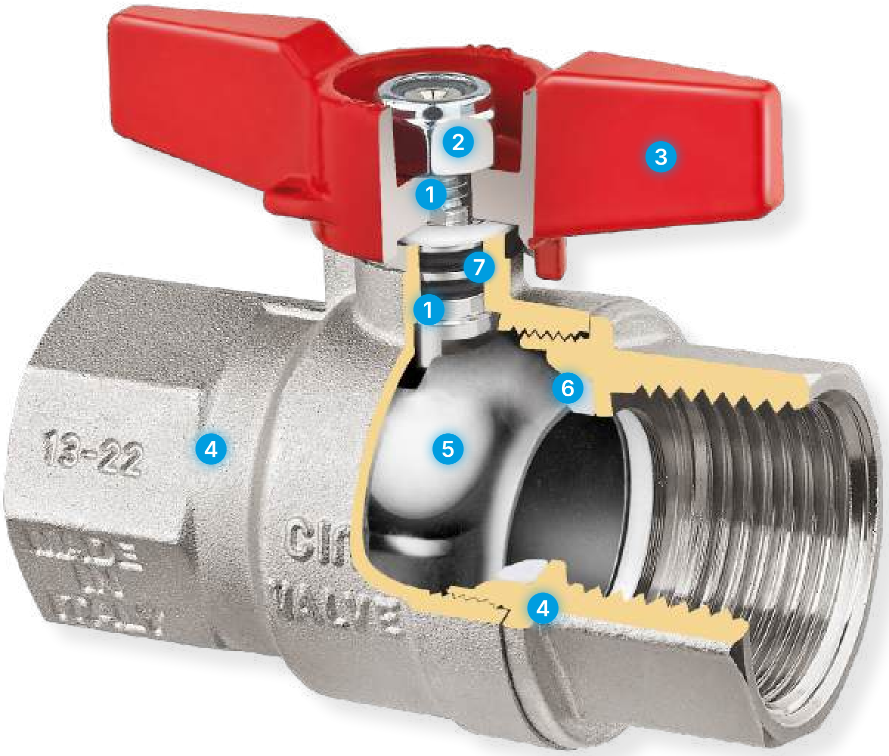
cim® 202-14 TEA® PLUS

T14 series - Ball valve - Full bore - Brass CW617N DW - TEA®PLUS coating - Aluminium lever handle

CODE	SIZE		
202-14-T1008	1/4"	50	200
202-14-T1010	3/8"	50	200
202-14-T1015	1/2"	40	160
202-14-T1020	3/4"	25	100
202-14-T1025	1"	18	72
202-14-T1032	1"1/4	10	40
202-14-T1040	1"1/2	6	24
202-14-T1050	2"	4	16
202-14-T1070	2"1/2	2	4
202-14-T1080	3"	2	4
202-14-T1100	4"	2	4

Ball valves T16 SERIES

Operating pressure: From PN 80 bar to PN 32 bar



1. **STEM:**
Blow-out proof Turned from brass bar: EN 12164 CW617N DW

2. **NUT:**
Self-locking type - A2 stainless steel

3. **HANDLE:**
Cim 16-316:
Aluminium alloy EN AB 46100, epoxy painted
Cim 17:
Steel EN10111-DD11
Geomet 321 - PVC coating

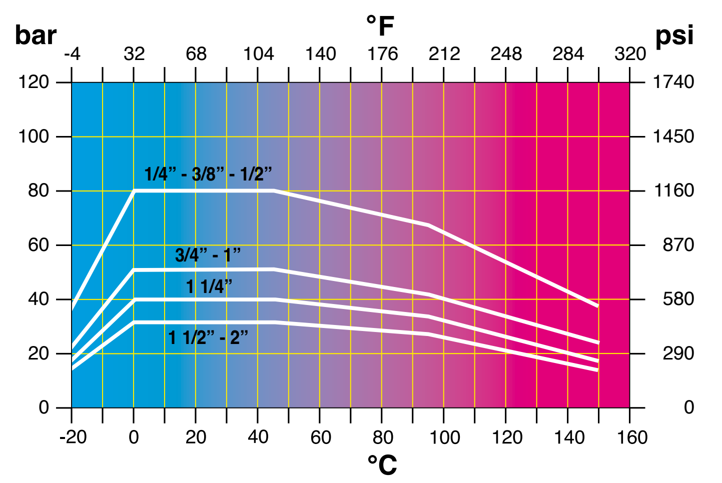
4. **BODY - SCREWED CONNECTIONS:**
Hot pressed from brass bar: EN 12165 CW617N DW

5. **BALL:**
Hot pressed from brass bar: EN 12165 CW617N DW, mirror-like surface, micro-smooth finish, **TEA**® coating

6. **BALL - STEM GASKETS:**
Pure P.T.F.E. conical rings, hardness 54-57 Shore D

7. **STEM GASKETS:**
2 HNBR O-rings

PRESSURE/TEMPERATURE RATINGS



DN	PN	Ø mm	KV	CS	CM	MT
1/4"	80	10	8	2	1	10
3/8"	80	10	10	2	1	10
1/2"	80	15	17	3	1,5	24
3/4"	50	20	41	4	2	24
1"	50	25	68	7	4	26
1"1/4	40	32	123	10	5	26
1"1/2	32	40	198	16	8	88
2"	32	50	290	20	11	88
2"1/2	-	63	-	-	-	-
3"	-	76	-	-	-	-
4"	-	100	-	-	-	-

KV: Flow rate in m3/h with a pressure drop of 1 bar with water temperature of 15.5°C (59.9°F)

CS: Starting torque in Nm
CM: Operating torque in Nm
MT: Stem breaking torque in Nm

cim® 16

T16 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle

CODE	SIZE		
16-1008	1/4"	50	100
16-1010	3/8"	50	100
16-1015	1/2"	40	160
16-1020	3/4"	25	100
16-1025	1"	16	64
16-1032	1"1/4	10	40
16-1040	1"1/2	6	24
16-1050	2"	4	16

cim® 316

T16 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
316-1008	1/4"	50	200
316-1010	3/8"	50	200
316-1015	1/2"	50	200
316-1020	3/4"	30	120
316-1025	1"	20	80
316-1032	1"1/4	10	40
316-1040	1"1/2	7	28
316-1050	2"	4	16

cim® 17

T16 series - Ball valve - Full bore - Brass CW617N DW - Steel lever handle

CODE	SIZE		
17-1008	1/4"	50	200
17-1010	3/8"	50	200
17-1015	1/2"	40	160
17-1020	3/4"	25	100
17-1025	1"	16	64
17-1032	1"1/4	10	40
17-1040	1"1/2	6	24
17-1050	2"	4	16

cim® 201-16

T16 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle

CODE	SIZE		
201-16-1008	1/4"	50	200
201-16-1010	3/8"	50	200
201-16-1015	1/2"	40	160
201-16-1020	3/4"	25	100
201-16-1025	1"	16	64
201-16-1032	1"1/4	10	40
201-16-1040	1"1/2	6	24
201-16-1050	2"	4	16

cim® 301-16

T16 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
301-16-1008	1/4"	50	200
301-16-1010	3/8"	50	200
301-16-1015	1/2"	50	200
301-16-1020	3/4"	30	120
301-16-1025	1"	20	80
301-16-1032	1"1/4	12	48
301-16-1040	1"1/2	7	28
301-16-1050	2"	4	16

cim® 201-17

T16 series - Ball valve - Full bore - Brass CW617N DW - Steel lever handle

CODE	SIZE		
201-17-1008	1/4"	50	200
201-17-1010	3/8"	50	200
201-17-1015	1/2"	40	160
201-17-1020	3/4"	25	100
201-17-1025	1"	16	64
201-17-1032	1"1/4	10	40
201-17-1040	1"1/2	6	24
201-17-1050	2"	4	16

cim® 246-16

T16 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle - Female/Pipe union

CODE	SIZE		
246-16-2102	1/2" x 1/2"	35	70
246-16-2128	3/4" x 3/4"	24	48
246-16-2154	1" x 1"	16	32
246-16-2180	1"1/4 × 1"1/4	10	20

cim® 346-16

T16 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - Female/Pipe union

CODE	SIZE		
346-16-2102	1/2" x 1/2"	35	70
346-16-2128	3/4" x 3/4"	24	48
346-16-2154	1" x 1"	16	32
346-16-2180	1"1/4 × 1"1/4	10	20

cim® 16-1NPT

T16 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle - NPT threading

CODE	SIZE		
16-1NPT-1008	1/4"	50	200
16-1NPT-1010	3/8"	50	200
16-1NPT-1015	1/2"	40	160
16-1NPT-1020	3/4"	25	100
16-1NPT-1025	1"	16	64
16-1NPT-1032	1"1/4	10	40
16-1NPT-1040	1"1/2	6	24
16-1NPT-1050	2"	4	16

cim® 316-1NPT

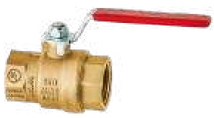
T16 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - NPT threading

CODE	SIZE		
316-1NPT-1008	1/4"	50	200
316-1NPT-1010	3/8"	50	200
316-1NPT-1015	1/2"	50	200
316-1NPT-1020	3/4"	30	120
316-1NPT-1025	1"	20	80
316-1NPT-1032	1"1/4	12	48
316-1NPT-1040	1"1/2	12	48
316-1NPT-1050	2"	5	20

cim® 17-1NPT

T16 series - Ball valve - Full bore - Brass CW617N DW - Steel lever handle - NPT threading

CODE	SIZE		
17-1NPT-1008	1/4"	50	200
17-1NPT-1010	3/8"	50	200
17-1NPT-1015	1/2"	40	160
17-1NPT-1020	3/4"	25	100
17-1NPT-1025	1"	16	64
17-1NPT-1032	1"1/4	10	40
17-1NPT-1040	1"1/2	6	24
17-1NPT-1050	2"	4	16



cim® 16CR

T16 series - Ball valve - Full bore - Brass CW625N DW - Aluminium lever handle

CODE	SIZE		
16CR-1015	1/2"	40	160
16CR-1020	3/4"	30	120
16CR-1025	1"	16	64
16CR-1032	1"1/4	10	40
16CR-1040	1"1/2	6	24
16CR-1050	2"	4	16

cim® 316CR

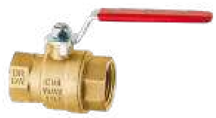
T16 series - Ball valve - Full bore - Brass CW625N DW - Aluminium butterfly handle

CODE	SIZE		
316CR-1015	1/2"	50	200
316CR-1020	3/4"	30	120
316CR-1025	1"	20	80
316CR-1032	1"1/4	10	40
316CR-1040	1"1/2	7	28
316CR-1050	2"	4	16

cim® 17CR

T16 series - Ball valve - Full bore - Brass CW625N DW - Steel lever handle

CODE	SIZE		
17CR-1015	1/2"	40	160
17CR-1020	3/4"	25	100
17CR-1025	1"	16	64
17CR-1032	1"1/4	10	40
17CR-1040	1"1/2	6	24
17CR-1050	2"	4	16



cim® 16CRNL

T16 series - Ball valve - Full bore - Brass CW511L - Aluminium lever handle

CODE	SIZE		
16CRNL-1015	1/2"	40	160
16CRNL-1020	3/4"	30	120
16CRNL-1025	1"	16	64
16CRNL-1032	1"1/4	10	40
16CRNL-1040	1"1/2	6	24
16CRNL-1050	2"	4	16

cim® 316CRNL

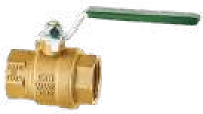
T16 series - Ball valve - Full bore - Brass CW511L - Aluminium butterfly handle

CODE	SIZE		
316CRNL-1015	1/2"	50	200
316CRNL-1020	3/4"	30	120
316CRNL-1025	1"	20	80
316CRNL-1032	1"1/4	10	40
316CRNL-1040	1"1/2	7	28
316CRNL-1050	2"	4	16

cim® 17CRNL

T16 series - Ball valve - Full bore - Brass CW511L - Steel lever handle

CODE	SIZE		
17CRNL-1015	1/2"	40	80
17CRNL-1020	3/4"	25	50
17CRNL-1025	1"	16	32
17CRNL-1032	1"1/4	10	20
17CRNL-1040	1"1/2	6	12
17CRNL-1050	2"	4	8



cim® 516CRNL

T16 series - Isolation ball valve - Full bore - Brass CW511L - Aluminium lever handle

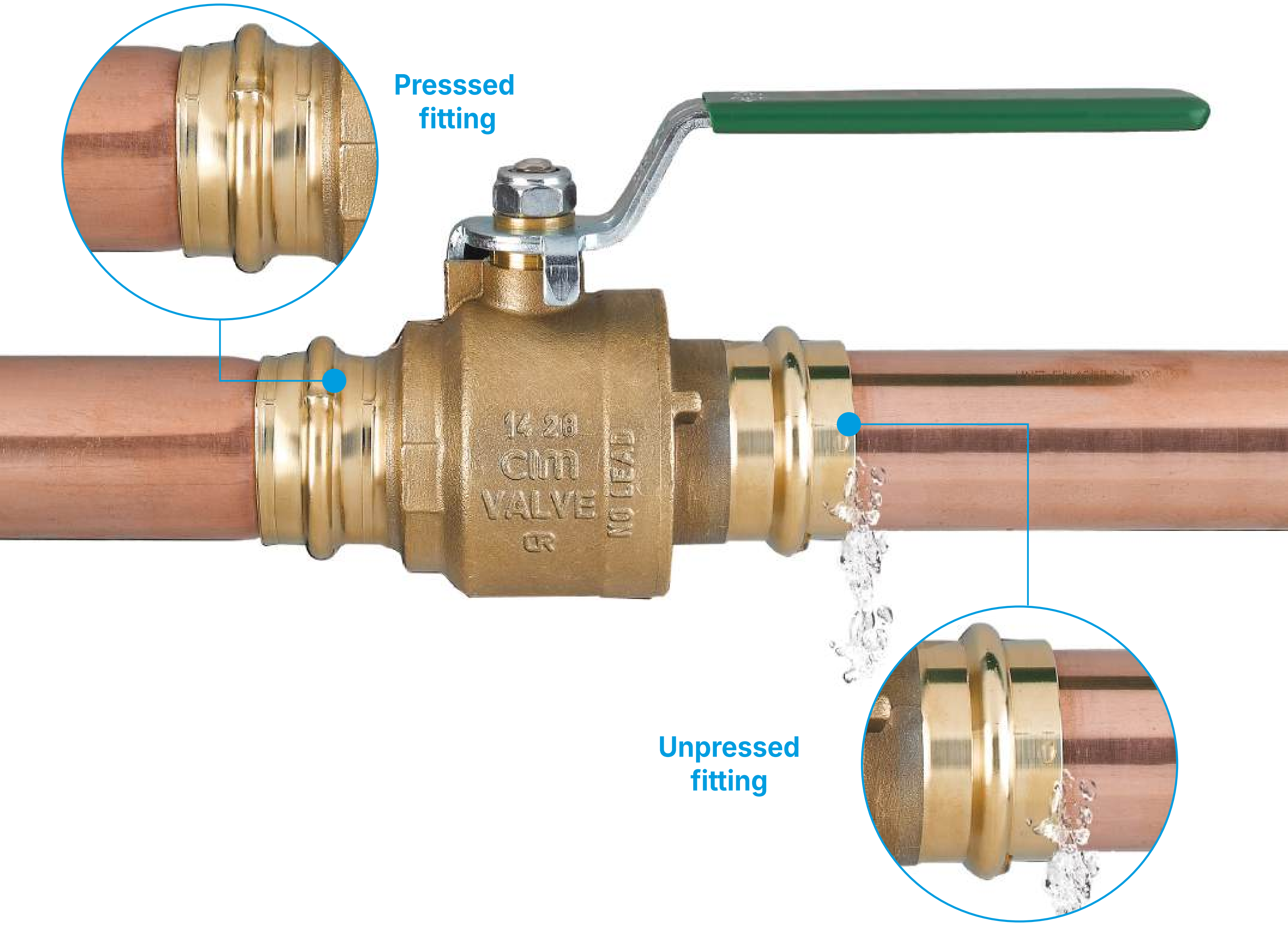
CODE	SIZE		
516CRNL-1015	1/2"	20	80
516CRNL-1020	3/4"	15	60
516CRNL-1025	1"	10	40
516CRNL-1032	1"1/4	6	24
516CRNL-1040	1"1/2	4	16
516CRNL-1050	2"	2	8

cim® 517CRNL

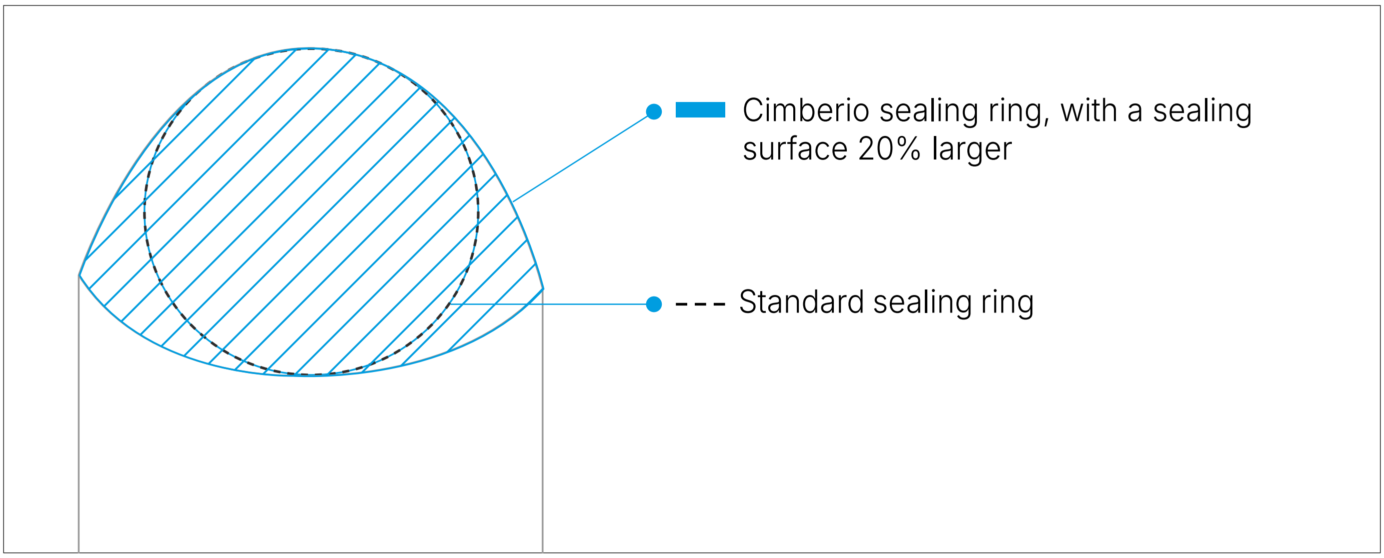
T16 series - Isolation ball valve - Full bore - Brass CW511L - Steel lever handle

CODE	SIZE		
517CRNL-1015	1/2"	20	80
517CRNL-1020	3/4"	15	60
517CRNL-1025	1"	10	40
517CRNL-1032	1"1/4	6	24
517CRNL-1040	1"1/2	4	16
517CRNL-1050	2"	2	8

No lead pressfitting ball valves dezincification and stress corrosion crack resistant



The sealing ring of the pressfitting valves is patented. Thanks to its lenticular profile, which fits perfectly into its seat, any pressing error becomes immediately evident as a leak from the fittings.

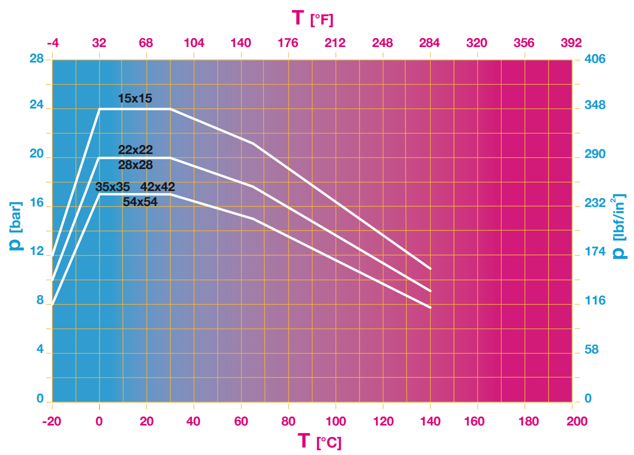


Lead-free ball valves for press fitting connections

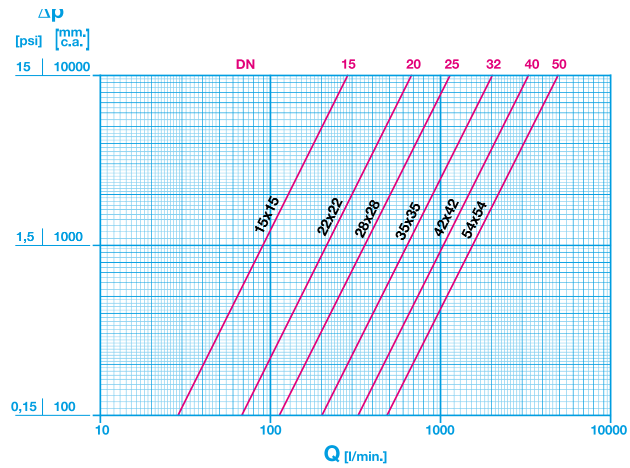
Service Recommendations:
Suitable for cold pressure connection to stainless steel and copper pipes and zinc coated steel pipe, sanitary and heating applications, cooling systems and drinking water networks.

Pressure connection:
The profile for valves from 15 up to 35 mm are the same and suitable for pressfitting jaws with profile either "M" or "V" profile. For 42 mm and 54 mm ball valves the profiles "M"and "V" are different. When placing an order, please specify the type of profile you need.

Pressure/temperature ratings



Flow and pressure drop



Tightness test:
All manufactured valves undergo computerized testing at 7 bar pneumatic both in the opened and closed position.

Balls:
All balls are full bore, linear type to avoid pressure drop and turbulences. Mirror-finished, diamond-patterned surface with **TEA**® coating.

Stem:
Blow-out proof

Tightening ring:
Tightness to pipe is carried out with the pressing of screwed end through the tightening O-ring made of black and siliconized EPDM. The tightening ring of the ball valves is patented and it has a lenticular profile which adheres perfectly to the toroidal chamber.

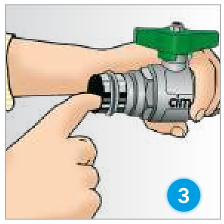
If the press connection procedure is not done perfectly, the screwed connections may leak.The valves offer the following advantages:

- The O-ring with lenticular profile has a 20% wider tightening surface if compared with the round section one;
- Significant decrease in damage affecting the tightening ring
- Easy pipe connection.

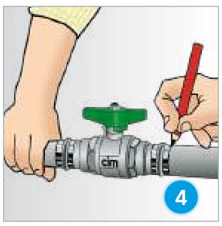
Safety:
Ball valves do not require welding or brazing and thus eliminate any risk of fire or damage.

Cut pipe at right angle

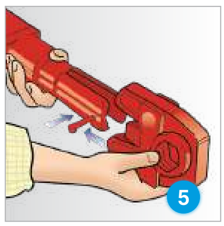
Remove all burr (inside and outside) from the pipe end



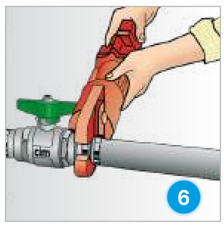
Check that the tightening O-ring is placed correctly. Do not oil or grease the tightening O-ring



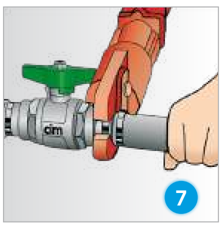
Insert the pre-prepared pipe end into the valve and push it until the pipe stop; mark the depth of the insertion



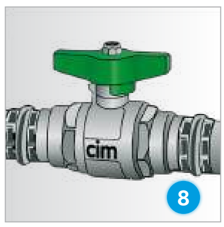
Fit the correct jaw for the press tool



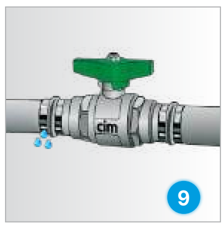
Place jaw of press tool around the valve end connection, paying attention that the depth of the insertion is correct (4)



Apply required pressure



The press connection ensures a sound connection

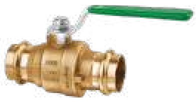


If press connection procedure is not made perfectly, the screwed connections will show leakages

cim® 1220CRNL

T16 series - Ball valve - Full bore - Brass CW511L - Steel lever handle - Press fitting/Press fitting

CODE	SIZE		
1220CRNL-5015	15 × 15	30	120
1220CRNL-5018	18 × 18	25	100
1220CRNL-5022	22 × 22	20	80
1220CRNL-5028	28 × 28	10	40
1220CRNL-5035	35 × 35	6	24
1220CRNL-5101	42 × 42M	4	16
1220CRNL-5102	42 × 42V	4	16
1220CRNL-5103	54 × 54M	2	8
1220CRNL-5104	54 × 54V	2	8



cim® 1221CRNL

T16 series - Ball valve - Full bore - Brass CW511L - Aluminium lever handle - Press fitting/Press fitting

CODE	SIZE		
1221CRNL-5015	15 × 15	30	120
1221CRNL-5018	18 × 18	20	80
1221CRNL-5022	22 × 22	20	80
1221CRNL-5028	28 × 28	15	60
1221CRNL-5035	35 × 35	6	24
1221CRNL-5101	42 × 42M	4	16
1221CRNL-5102	42 × 42V	4	16
1221CRNL-5103	54 × 54M	3	12
1221CRNL-5104	54 × 54V	3	12

cim® 1222CRNL

T16 series - Ball valve - Full bore - Brass CW511L - Aluminium butterfly handle - Press fitting/Press fitting

CODE	SIZE		
1222CRNL-5015	15 × 15	30	120
1222CRNL-5018	18 × 18	30	120
1222CRNL-5022	22 × 22	20	80
1222CRNL-5028	28 × 28	15	60
1222CRNL-5035	35 × 35	6	24
1222CRNL-5101	42 × 42M	4	16
1222CRNL-5102	42 × 42V	4	16
1222CRNL-5103	54 × 54M	3	12
1222CRNL-5104	54 × 54V	3	12

cim® 1220CRNLFE

T16 series - Ball valve - Full bore - Brass CW511L - Steel lever handle - Press fitting/Female

CODE	SIZE		
1220CRNLFE-5013	15 × 1/2"	30	120
1220CRNLFE-5018	18 × 1/2"	30	120
1220CRNLFE-5023	22 × 3/4"	20	80
1220CRNLFE-5027	28 × 1"	15	60
1220CRNLFE-5033	35 × 1"1/4	6	24
1220CRNLFE-5105	42M x 1"1/2	4	16
1220CRNLFE-5106	42V x 1"1/2	4	16
1220CRNLFE-5107	54M x 2"	3	12
1220CRNLFE-5108	54V x 2"	3	12

cim® 1221CRNLFE

T16 series - Ball valve - Full bore - Brass CW511L - Aluminium lever handle - Press fitting/Female

CODE	SIZE		
1221CRNLFE-5013	15 × 1/2"	30	120
1221CRNLFE-5018	18 × 1/2"	30	120
1221CRNLFE-5023	22 × 3/4"	20	80
1221CRNLFE-5027	28 × 1"	15	60
1221CRNLFE-5033	35 × 1"1/4	6	24
1221CRNLFE-5105	42M x 1"1/2	4	16
1221CRNLFE-5106	42V x 1"1/2	4	16
1221CRNLFE-5107	54M x 2"	3	12
1221CRNLFE-5108	54V x 2"	3	12

cim® 1222CRNLFE

T16 series - Ball valve - Full bore - Brass CW511L - Aluminium butterfly handle - Press fitting/Female

CODE	SIZE		
1222CRNLFE-5013	15 × 1/2"	30	120
1222CRNLFE-5018	8 × 1/2"	30	120
1222CRNLFE-5023	22 × 3/4"	20	80
1222CRNLFE-5027	28 × 1"	15	60
1222CRNLFE-5033	35 × 1"1/4	6	24
1222CRNLFE-5105	42M x 1"1/2	4	16
1222CRNLFE-5106	42V x 1"1/2	4	16
1222CRNLFE-5107	54M x 2"	3	12
1222CRNLFE-5108	54V x 2"	3	12

cim® 1220CRNLMA

T16 series - Ball valve - Full bore - Brass CW511L - Steel lever handle - Press fitting/Male

CODE	SIZE		
1220CRNLMA-5013	15 × 1/2"	30	120
1220CRNLMA-5018	18 × 1/2"	30	120
1220CRNLMA-5023	22 × 3/4"	20	80
1220CRNLMA-5027	28 × 1"	15	60
1220CRNLMA-5033	35 × 1"1/4	6	24
1220CRNLMA-5105	42M x 1"1/2	4	16
1220CRNLMA-5106	42V x 1"1/2	4	16
1220CRNLMA-5107	54M x 2"	3	12
1220CRNLMA-5108	54V x 2"	3	12

cim® 1222CRNLMA

T16 series - Ball valve - Full bore - Brass CW511L - Aluminium butterfly handle - Press fitting/Male

CODE	SIZE		
1222CRNLMA-5013	15 × 1/2"	30	120
1222CRNLMA-5018	18 × 1/2"	30	120
1222CRNLMA-5023	22 × 3/4"	20	80
1222CRNLMA-5027	28 × 1"	15	60
1222CRNLMA-5033	35 × 1"1/4	6	24
1222CRNLMA-5105	42M x 1"1/2	4	16
1222CRNLMA-5106	42V x 1"1/2	4	16
1222CRNLMA-5107	54M x 2"	3	12
1222CRNLMA-5108	54V x 2"	3	12

cim® 1224CRNL

T16 series - Isolation ball valve - Full bore - Brass CW511L - Steel lever handle - Press fitting/Press fitting

CODE	SIZE		
1224CRNL-5015	15 × 15	20	80
1224CRNL-5018	18 × 18	15	60
1224CRNL-5022	22 × 22	15	60
1224CRNL-5028	28 × 28	12	48
1224CRNL-5035	35 × 35	6	24
1224CRNL-5101	42 × 42M	4	16
1224CRNL-5102	42 × 42V	4	16
1224CRNL-5103	54 × 54M	2	8
1224CRNL-5104	54 × 54V	2	8

cim® 1226CRNL

T16 series - Isolation ball valve - Full bore - Brass CW511L - Aluminium lever handle - Press fitting/Press fitting

CODE	SIZE		
1226CRNL-5015	15 × 15	30	120
1226CRNL-5018	18 × 18	30	120
1226CRNL-5022	22 × 22	15	60
1226CRNL-5028	28 × 28	15	60
1226CRNL-5035	35 × 35	6	24
1226CRNL-5101	42 × 42M	4	16
1226CRNL-5102	42 × 42V	4	16
1226CRNL-5103	54 × 54M	3	12
1226CRNL-5104	54 × 54V	3	12

cim® 1220-1CRNL

T16 series - Ball valve - Full bore - Brass CW511L - Steel lever handle - Press fitting for Ø U.S. copper pipe sizes

CODE	SIZE		
1220-1CRNL-1015	1/2"	30	90
1220-1CRNL-1020	3/4"	20	60
1220-1CRNL-1025	1"	15	45
1220-1CRNL-1032	1"1/4	6	24
1220-1CRNL-1040	1"1/2	4	16
1220-1CRNL-1050	2"	2	8
1220-1CRNL-1070	2"1/2	2	4
1220-1CRNL-1080	3"	1	2
1220-1CRNL-1100	4"	1	2

cim® 1220-1CRNLFE

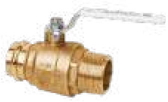
T16 series - Ball valve - Full bore - Brass CW511L - Steel lever handle - Press fitting/Female for Ø U.S. copper pipe sizes

CODE	SIZE		
1220-1CRNL-9976	1/2"	30	90
1220-1CRNL-9977	3/4"	20	60
1220-1CRNL-9978	1"	15	45
1220-1CRNL-9979	1"1/4	6	24
1220-1CRNL-9980	1"1/2	4	16
1220-1CRNL-9981	2"	2	8
1220-1CRNL-9991	2"1/2	2	4
1220-1CRNL-9992	3"	1	2
1220-1CRNL-9993	4"	1	2

cim® 1220-1CRNLMA

T16 series - Ball valve - Full bore - Brass CW511L - Steel lever handle - Press fitting/Male for Ø U.S. copper pipe sizes

CODE	SIZE		
1220-1CRNL-9982	1/2"	30	90
1220-1CRNL-9983	3/4"	20	60
1220-1CRNL-9984	1"	15	45
1220-1CRNL-9985	1"1/4	6	24
1220-1CRNL-9986	1"1/2	4	16
1220-1CRNL-9987	2"	2	8
1220-1CRNL-9988	2"1/2	2	4
1220-1CRNL-9989	3"	1	2
1220-1CRNL-9990	4"	1	2



cim® 1224-1CRNL

T16 series - Isolation ball valve - Full bore - Brass CW511L - Steel lever handle - Press fitting for Ø U.S. copper pipe sizes

CODE	SIZE		
1224-1CRNL-1015	1/2"	20	80
1224-1CRNL-1020	3/4"	15	60
1224-1CRNL-1025	1"	10	40
1224-1CRNL-1032	1"1/4	6	24
1224-1CRNL-1040	1"1/2	4	16
1224-1CRNL-1050	2"	2	8

cim® 1221CRNLNE

T16 series - Ball valve - Full bore - Brass CW511L - Aluminium lever handle - Press fitting/Press fitting

CODE	SIZE		
1221CRNLNE-5015	15 × 15	30	120
1221CRNLNE-5018	18 × 18	20	80
1221CRNLNE-5022	22 × 22	20	80
1221CRNLNE-5028	28 × 28	15	60
1221CRNLNE-5035	35 × 35	6	24
1221CRNLNE-5101	42 × 42M	4	16
1221CRNLNE-5102	42 × 42V	4	16
1221CRNLNE-5103	54 × 54M	3	12
1221CRNLNE-5104	54 × 54V	3	12

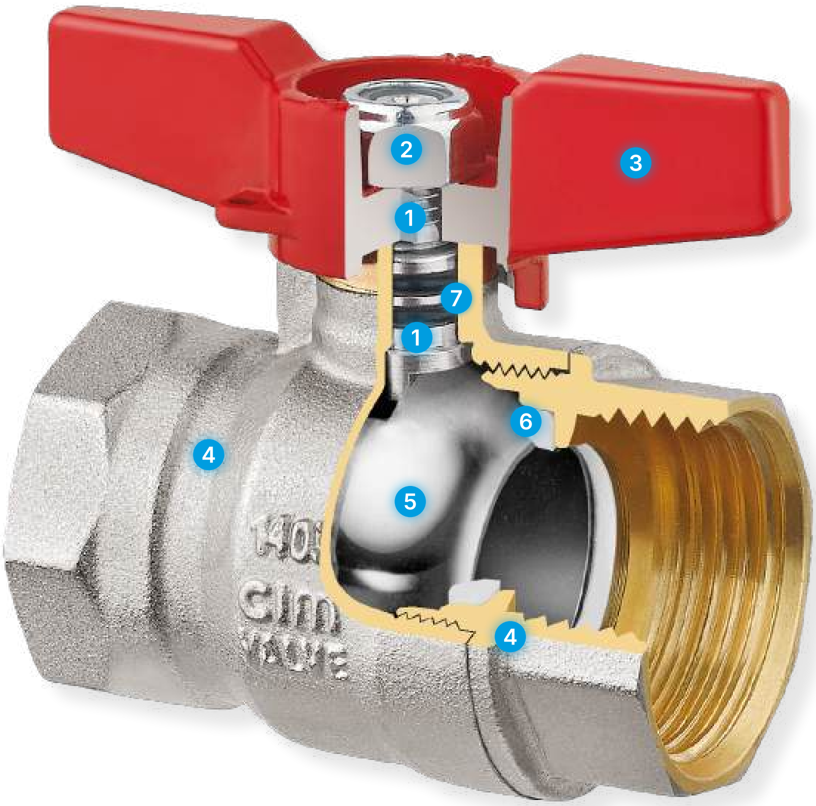
cim® 1221CRNLNEFE

T16 series - Ball valve - Full bore - Brass CW511L - Aluminium lever handle - Press fitting/Female

CODE	SIZE		
1221CRNLNEFE-4997	15 × 1/2"	30	120
1221CRNLNEFE-5013	18 × 1/2"	30	120
1221CRNLNEFE-5023	22 × 3/4"	20	80
1221CRNLNEFE-5027	28 × 1"	15	60
1221CRNLNEFE-5033	35 × 1"1/4	6	24
1221CRNLNEFE-5105	42M x 1"1/2	4	16
1221CRNLNEFE-5106	42V x 1"1/2	4	16
1221CRNLNEFE-5107	54M x 2"	3	12
1221CRNLNEFE-5108	54V x 2"	3	12

Ball valves **RED SERIES**

Operating pressure: From PN 50 bar to PN 25 bar



1 STEM :
Turned from brass bar:
EN 12164 CW617N DW

2 NUT:
Self-locking type -
A2 stainless steel

3 HANDLE:
Cim RED6 - RED6-1:
Aluminium alloy EN AB 46100,
epoxy painted

Cim RED5:
Steel EN10111-DD11
Geomet 321 - PVC coating

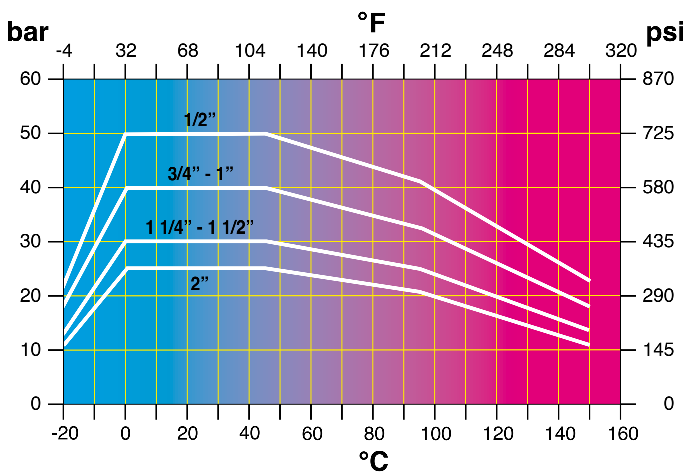
4 BODY - SCREWED CONNECTIONS:
Hot pressed from brass bar:
EN 12165 CW617N DW

5 BALL:
Hot pressed from brass bar: EN 12165 CW617N DW, mirror-like surface, micro-smooth finish, **TEA**® coating

6 BALL - STEM GASKETS:
Pure P.T.F.E. conical rings,
hardness 54-57 Shore D

7 STEM GASKETS:
2 HNBR O-rings

PRESSURE/TEMPERATURE RATINGS



DN	PN	Ø mm	KV	CS	CM	MT
1/4"	-	10	-	-	-	-
3/8"	-	10	-	-	-	-
1/2"	50	14	15	2,5	1	24
3/4"	40	19	37	5	1,5	24
1"	40	24	63	12	2,5	26
1"1/4	30	30	108	17	3	26
1"1/2	30	37	179	22	8	88
2"	25	47	256	20	11	88
2"1/2	-	63	-	-	-	-
3"	-	76	-	-	-	-
4"	-	100	-	-	-	-

KV: Flow rate in m3/h with a pressure drop of 1 bar with water temperature of 15.5°C (59.9°F)

CS: Starting torque in Nm
CM: Operating torque in Nm
MT: Stem breaking torque in Nm

cim® RED6

RED series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle

CODE	SIZE		
RED6-1015	1/2"	50	200
RED6-1020	3/4"	30	120
RED6-1025	1"	25	100
RED6-1032	1"1/4	15	60
RED6-1040	1"1/2	8	32
RED6-1050	2"	5	20

cim® RED6-1

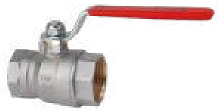
RED series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
RED6-1-1015	1/2"	50	200
RED6-1-1020	3/4"	30	120
RED6-1-1025	1"	25	100
RED6-1-1032	1"1/4	15	60
RED6-1-1040	1"1/2	10	40
RED6-1-1050	2"	5	20

cim® RED5

RED series - Ball valve - Full bore - Brass CW617N DW - Steel lever handle

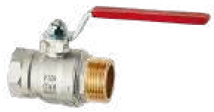
CODE	SIZE		
RED5-1015	1/2"	50	200
RED5-1020	3/4"	30	120
RED5-1025	1"	25	100
RED5-1032	1"1/4	15	60
RED5-1040	1"1/2	8	32
RED5-1050	2"	5	20



cim® RED5MF

RED series - Ball valve - Full bore - Brass CW617N DW - Steel lever handle

CODE	SIZE		
RED5MF-1015	1/2"	50	200
RED5MF-1020	3/4"	30	120
RED5MF-1025	1"	25	100



cim® RED6MF

RED series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle

CODE	SIZE		
RED6MF-1015	1/2"	50	200
RED6MF-1020	3/4"	30	120
RED6MF-1025	1"	25	100

cim® RED6-1MF

RED series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
RED6-1MF-1015	1/2"	50	200
RED6-1MF-1020	3/4"	30	120
RED6-1MF-1025	1"	25	100

cim® 246RED6

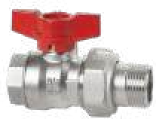
RED series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle - With pipe union

CODE	SIZE		
246RED6-2102	1/2" x 1/2"	30	120
246RED6-2128	3/4" x 3/4"	24	96
246RED6-2154	1" x 1"	12	48

cim® 346RED6

RED series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - With pipe union

CODE	SIZE		
346RED6-2102	1/2" x 1/2"	35	70
346RED6-2128	3/4" x 3/4"	24	48
346RED6-2154	1" x 1"	16	32



cim® RED6NE

RED series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle

CODE	SIZE		
RED6NE-1015	1/2"	50	200
RED6NE-1020	3/4"	30	120
RED6NE-1025	1"	25	100
RED6NE-1032	1"1/4	15	60
RED6NE-1040	1"1/2	8	32
RED6NE-1050	2"	5	20

cim® RED6-1NE

RED series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
RED6-1NE-1015	1/2"	50	200
RED6-1NE-1020	3/4"	30	120
RED6-1NE-1025	1"	25	100
RED6-1NE-1032	1"1/4	15	60
RED6-1NE-1040	1"1/2	10	40
RED6-1NE-1050	2"	5	20

cim® RED6MFNE

RED series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle

CODE	SIZE		
RED6MFNE-1015	1/2"	50	200
RED6MFNE-1020	3/4"	30	120
RED6MFNE-1025	1"	25	100

cim® RED6-1MFNE

RED series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
RED6-1MFNE-1015	1/2"	50	200
RED6-1MFNE-1020	3/4"	30	120
RED6-1MFNE-1025	1"	25	100

cim® 346RED6NE

RED series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - With pipe union

CODE	SIZE		
346RED6NE-2102	1/2" x 1/2"	35	70
346RED6NE-2128	3/4" x 3/4"	24	48
346RED6NE-2154	1" x 1"	16	32

cim® 21T

3 way ball valve - T ports - Full bore - Brass CW617N DW - Aluminium lever handle

CODE	SIZE		
21T-1008	1/4"	6	24
21T-1010	3/8"	6	24
21T-1015	1/2"	6	24
21T-1020	3/4"	5	20
21T-1025	1"	4	16
21T-1032	1"1/4	3	12
21T-1040	1"1/2	-	6
21T-1050	2"	2	4

cim® 21L

3 way ball valve - L ports - Full bore - Brass CW617N DW - Aluminium lever handle

CODE	SIZE		
21L-1008	1/4"	6	24
21L-1010	3/8"	6	24
21L-1015	1/2"	6	24
21L-1020	3/4"	5	20
21L-1025	1"	4	16
21L-1032	1"1/4	3	12
21L-1040	1"1/2	-	6
21L-1050	2"	2	4

cim® 23

3 way ball valve - T ports - Full bore - Brass CW617N DW - Aluminium lever handle

CODE	SIZE		
23-1015	1/2" x 1/2"	25	100
23-1020	3/4" x 3/4"	15	60
23-1025	1" x 1"	10	40

cim® 427

Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle - T fitting with ball valve

CODE	SIZE		
427-2102	1/2" x 1/2"	20	80
427-2127	3/4" x 3/4"	20	80
427-2159	1" x 1"	15	60

cim® 262RS

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle - With test point

CODE	SIZE		
262RS-2128	3/4" x 3/4	18	72

cim® 262BL

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle

CODE	SIZE		
262BL-2128	3/4" x 3/4	18	72

cim® 91

Ball valve - Brass CW617N DW - ABS knob - For radiators with adjustment

CODE	SIZE		
91-1015	1/2"	25	100

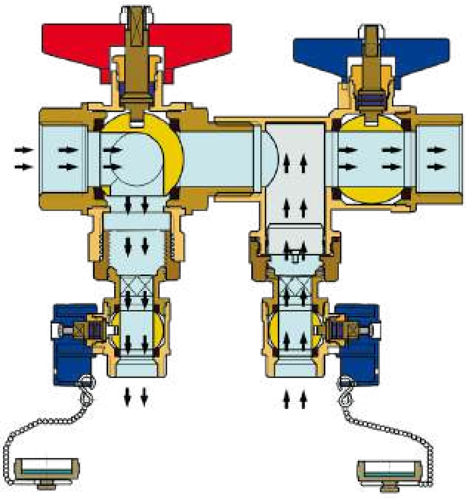
cim® 92

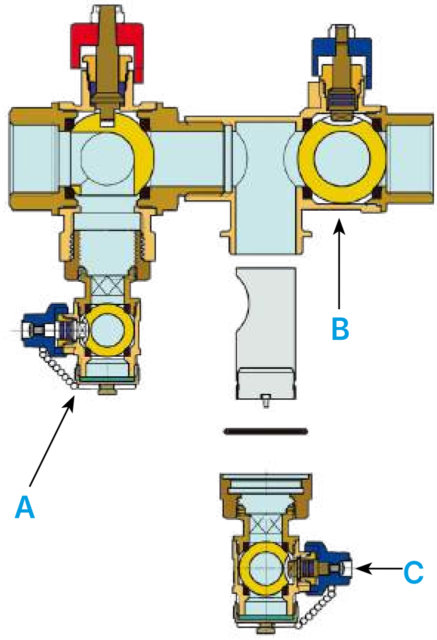
Ball valve - Brass CW617N DW - ABS knob - For radiators with adjustment

CODE	SIZE		
92-1015	1/2"	25	100

Intercepting and filtering kit
for geothermal circuits

Heat pump systems connected to geothermal probes have recently become the most popular application for both residential and industrial systems. They are an interesting alternative to traditional wood, gas and combustible fuel heating systems as well as for their increased environmental sustainability features.
The Cimberio filtering system, which must be installed on the terminal end of the geothermal probe system, can intercept the liquid and filter it. This must be done immediately after installation of the system and is essential for proper functioning.
The Cimberio geothermal installation system is offered with different connections (female/male/compression and press connections Cimpress).

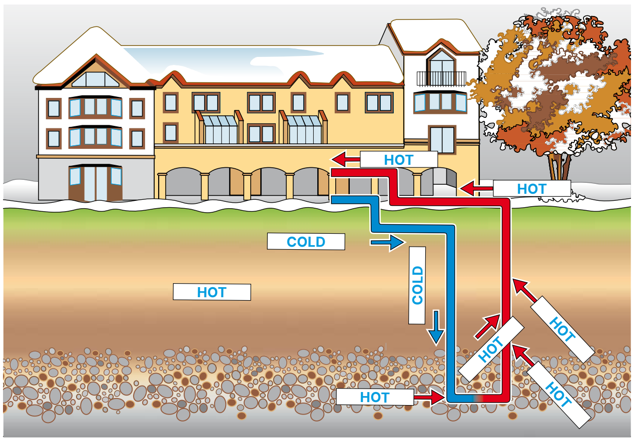




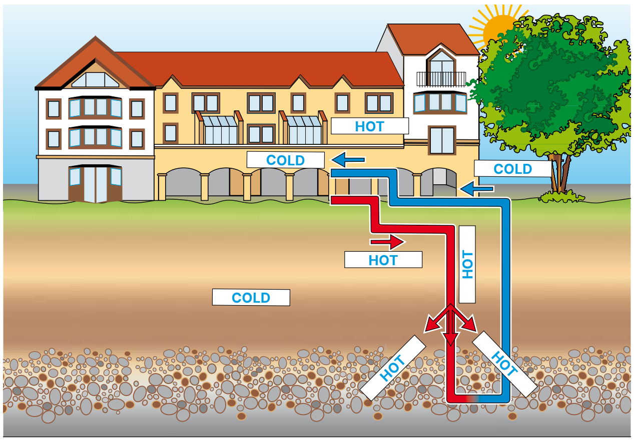
Installation:

1. Connect the filling valve to the pipes, when using CIMPRESS connections, be aware that both M and V jaws can be used (V profile 15-54 mm - SA and M profiles 15-35 mm).
2. Be sure that the valve is installed in the right flow direction (see drawing) with inverted installation, the strainer must be turned 180°, in order to have a correctly positioned opening.
3. Connect the external filling valve to the load valve "C" (3/4" male).
4. Once the circuit is filled, close valves A and B.
5. Clean the filter as shown in the drawing.
6. Replace the filter and C valve.
7. Open the main valves: the handles of the main valves must be parallel to the pipe when finished.
8. Fit the Cim 728EPS insulation around the valve.

COLD



HOT



cim® C3727

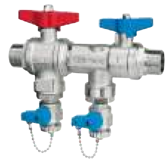
Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - Intercepting and filtering kit for geothermal circuit

CODE	SIZE		
C3727-2154	1" x 1"	1	8

cim® C3728

Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - Intercepting and filtering kit for geothermal circuit

CODE	SIZE		
C3728-2154	1" x 1"	1	8



cim® C3729

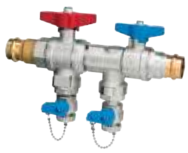
Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - Intercepting and filtering kit for geothermal circuit - Compression/Compression

CODE	SIZE		
C3729-5028	28 × 28	1	8

cim® C3730

Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - Intercepting and filtering kit for geothermal circuit - Press fitting/Press fitting

CODE	SIZE		
C3730-5028	28 × 28	1	8



cim® 620

T12 series - FILTRASFERA - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - With strainer

CODE	SIZE		
620-1015	1/2"	25	100
620-1020	3/4"	15	60
620-1025	1"	10	40

cim® 620MA

T12 series - FILTRASFERA - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - With strainer

CODE	SIZE		
620MA-1015	1/2" x 1/2"	25	100
620MA-1020	3/4" x 3/4"	15	60
620MA-1025	1" x 1"	10	40

cim® 621

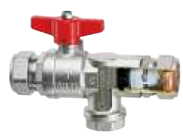
T12 series - FILTRASFERA - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - With strainer and non return valve

CODE	SIZE		
621-1015	1/2"	25	100
621-1020	3/4"	15	60
621-1025	1"	10	40

cim® 628

T12 series - FILTRASFERA - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - With strainer and non return valve - Compression/Compression

CODE	SIZE		
628-5015	15 x 15	20	80
628-5022	22 x 22	10	40
628-5028	28 x 28	8	32



cim® 629

T12 series - FILTRASFERA - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - With strainer - Female/Compression

CODE	SIZE		
629-3110	1/2" x 15	25	100
629-3137	3/4" x 22	15	60
629-3159	1" x 28	10	40

cim® 623

T12 series - FILTRASFERA - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - With strainer - Compression/Compression

CODE	SIZE		
623-5015	15 × 15	25	100
623-5022	22 × 22	15	60
623-5028	28 × 28	10	40

cim® 630

T12 series - FILTRASFERA - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - With strainer - Drain point - Brass plug and chain

CODE	SIZE		
630-1015	1/2"	20	80
630-1020	3/4"	12	48
630-1025	1"	8	32

cim® 630PLA

T12 series - FILTRASFERA - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - With strainer - Drain point - Plastic plug and chain

CODE	SIZE		
630PLA-1015	1/2"	20	80
630PLA-1020	3/4"	12	48
630PLA-1025	1"	8	32

cim® 631

T12 series - FILTRASFERA - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - With strainer - Non return valve - Drain point - Brass plug and chain

CODE	SIZE		
631-1015	1/2"	20	80
631-1020	3/4"	12	48
631-1025	1"	8	32

cim® 631PLA

T12 series - FILTRASFERA - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - With strainer - Non return valve - Drain point - Plastic plug and chain

CODE	SIZE		
631PLA-1015	1/2"	20	80
631PLA-1020	3/4"	12	48
631PLA-1025	1"	8	32

cim® 622CRNL

Ball valve - Full bore - Brass CW511L - Aluminium butterfly handle - With strainer - Non return valve - Test point

CODE	SIZE		
622CRNL-1015	1/2"	10	40
622CRNL-1020	3/4"	8	32
622CRNL-1025	1"	6	24
622CRNL-1032	1"1/4	5	20
622CRNL-1040	1"1/2	2	8
622CRNL-1050	2"	1	4

cim® 622OTCRNL

Ball valve - Full bore - Brass CW511L - Brass lever handle - With strainer - Non return valve - Test point

CODE	SIZE		
622OTCRNL-1015	1/2"	20	80
622OTCRNL-1020	3/4"	12	48
622OTCRNL-1025	1"	8	32
622OTCRNL-1032	1"1/4	5	20
622OTCRNL-1040	1"1/2	3	12
622OTCRNL-1050	2"	1	4

cim® 622CRNL1

Ball valve - Full bore - Brass CW511L - Aluminium butterfly handle - With strainer - Non return valve - Test point - Drain plug

CODE	SIZE		
622CRNL1-1015	1/2"	20	80
622CRNL1-1020	3/4"	12	48
622CRNL1-1025	1"	8	32
622CRNL1-1032	1"1/4	5	20
622CRNL1-1040	1"1/2	3	12
622CRNL1-1050	2"	1	4

cim® 622CRNL5

Ball valve - Full bore - Brass CW511L - Aluminium butterfly handle - With strainer - Non return valve - Test point - Drain plug and magnet

CODE	SIZE		
622CRNL5-1015	1/2"	20	80
622CRNL5-1020	3/4"	12	48
622CRNL5-1025	1"	8	32
622CRNL5-1032	1"1/4	5	20
622CRNL5-1040	1"1/2	2	8
622CRNL5-1050	2"	1	4

cim® 624CRNL

Ball valve - Full bore - Brass CW511L - Aluminium butterfly handle - With strainer - Non return valve - Test point - Female/Swivel nut

CODE	SIZE		
624CRNL-2099	1/2" x 3/4"	20	80
624CRNL-2128	3/4" x 3/4"	12	48
624CRNL-2129	3/4" x 1"	12	48
624CRNL-2154	1" x 1"	8	32
624CRNL-2155	1" x 1"1/4	8	32
624CRNL-2179	1"1/4 × 1"	5	20
624CRNL-2180	1"1/4 x 1"1/4	5	20
624CRNL-2181	1"1/4 x 1"1/2	5	20
624CRNL-2206	1"1/2 x 1"1/2	3	12
624CRNL-2207	1"1/2 x 2"	3	12
624CRNL-2232	2" x 2"	1	4

cim® 624CRNL1

Ball valve - Full bore - Brass CW511L - Aluminium butterfly handle- With strainer - Non return valve - Test point - Drain plug - Female/Swivel nut

CODE	SIZE		
624CRNL1-2099	1/2" x 3/4"	20	80
624CRNL1-2128	3/4" x 3/4"	12	48
624CRNL1-2129	3/4" x 1"	12	48
624CRNL1-2154	1" x 1"	8	32
624CRNL1-2155	1" x 1"1/4	8	32
624CRNL1-2179	1"1/4 × 1"	5	20
624CRNL1-2180	1"1/4 x 1"1/4	5	20
624CRNL1-2181	1"1/4 x 1"1/2	5	20
624CRNL1-2206	1"1/2 x 1"1/2	3	12
624CRNL1-2207	1"1/2 x 2"	3	12
624CRNL1-2232	2" x 2"	1	4

cim® 624OTCRNL

Ball valve - Full bore - Brass CW511L - Brass lever handle - With strainer - Non return valve - Test point - Drain plug - Female/Swivel nut

CODE	SIZE		
624OTCRNL-2099	1/2" x 3/4"	20	80
624OTCRNL-2128	3/4" x 3/4"	12	48
624OTCRNL-2129	3/4" x 1"	12	48
624OTCRNL-2154	1" x 1"	8	32
624OTCRNL-2155	1" x 1"1/4	8	32
624OTCRNL-2179	1"1/4 × 1"	5	20
624OTCRNL-2180	1"1/4 x 1"1/4	5	20
624OTCRNL-2181	1"1/4 x 1"1/2	5	20
624OTCRNL-2206	1"1/2 x 1"1/2	3	12
624OTCRNL-2207	1"1/2 x 2"	3	12
624OTCRNL-2232	2" x 2"	1	4

cim® 624OTCRNL5

Ball valve - Full bore - Brass CW511L - Brass lever handle - With strainer - Non return valve - Test point - Drain plug and magnet - Female/Swivel nut

CODE	SIZE		
624OTCRNL5-2099	1/2" x 3/4"	20	80
624OTCRNL5-2128	3/4" x 3/4"	12	48
624OTCRNL5-2129	3/4" x 1"	12	48
624OTCRNL5-2154	1" x 1"	8	32
624OTCRNL5-2155	1" x 1"1/4	8	32
624OTCRNL5-2179	1"1/4 × 1"	5	20
624OTCRNL5-2180	1"1/4 x 1"1/4	5	20
624OTCRNL5-2181	1"1/4 x 1"1/2	5	20
624OTCRNL5-2206	1"1/2 x 1"1/2	3	12
624OTCRNL5-2207	1"1/2 x 2"	3	12
624OTCRNL5-2232	2" x 2"	1	4

cim® 625CRNL

Ball valve - Full bore - Brass CW511L - Aluminium butterfly handle - With strainer - Test point

CODE	SIZE		
625CRNL-1015	1/2"	20	80
625CRNL-1020	3/4"	12	48
625CRNL-1025	1"	8	32
625CRNL-1032	1"1/4	5	20
625CRNL-1040	1"1/2	3	12
625CRNL-1050	2"	1	4

cim® 625CRNL1

Ball valve - Full bore - Brass CW511L - Aluminium butterfly handle - With strainer - Test point - Drain plug

CODE	SIZE		
625CRNL1-1015	1/2"	20	80
625CRNL1-1020	3/4"	12	48
625CRNL1-1025	1"	8	32
625CRNL1-1032	1"1/4	5	20
625CRNL1-1040	1"1/2	3	12
625CRNL1-1050	2"	1	4

cim® 625CRNL5

Ball valve - Full bore - Brass CW511L - Aluminium butterfly handle - With strainer - Test point - Drain plug and magnet

CODE	SIZE		
625CRNL5-1015	1/2"	20	80
625CRNL5-1020	3/4"	12	48
625CRNL5-1025	1"	8	32
625CRNL5-1032	1"1/4	5	20
625CRNL5-1040	1"1/2	2	8
625CRNL5-1050	2"	1	4

cim® 627CRNL

Ball valve - Full bore - Brass CW511L - Aluminium butterfly handle - With strainer - Test point - Female/Swivel nut

CODE	SIZE		
627CRNL-2099	1/2" x 3/4"	20	80
627CRNL-2128	3/4" x 3/4"	12	48
627CRNL-2129	3/4" x 1"	12	48
627CRNL-2154	1" x 1"	8	32
627CRNL-2155	1" x 1"1/4	8	32
627CRNL-2179	1"1/4 × 1"	5	20
627CRNL-2180	1"1/4 x 1"1/4	5	20
627CRNL-2181	1"1/4 x 1"1/2	5	20
627CRNL-2206	1"1/2 x 1"1/2	3	12
627CRNL-2207	1"1/2 x 2"	3	12
627CRNL-2232	2" x 2"	1	4

cim® 627CRNL1

Ball valve - Full bore - Brass CW511L - Aluminium butterfly handle - With strainer - Test point - Drain plug - Female/Swivel nut

CODE	SIZE		
627CRNL1-2099	1/2" x 3/4"	20	80
627CRNL1-2128	3/4" x 3/4"	12	48
627CRNL1-2129	3/4" x 1"	12	48
627CRNL1-2154	1" x 1"	8	32
627CRNL1-2155	1" x 1"1/4	8	32
627CRNL1-2179	1"1/4 × 1"	5	20
627CRNL1-2180	1"1/4 x 1"1/4	5	20
627CRNL1-2181	1"1/4 x 1"1/2	5	20
627CRNL1-2206	1"1/2 x 1"1/2	3	12
627CRNL1-2207	1"1/2 x 2"	3	12
627CRNL1-2232	2" x 2"	1	4

cim® 625OTCRNL

Ball valve - Full bore - Brass CW511L - Brass lever handle - With strainer - Test point

CODE	SIZE		
625OTCRNL-1015	1/2"	20	80
625OTCRNL-1020	3/4"	12	48
625OTCRNL-1025	1"	8	32
625OTCRNL-1032	1"1/4	5	20
625OTCRNL-1040	1"1/2	3	12
625OTCRNL-1050	2"	1	4

cim® 350

Ball valve - Brass CW617N DW - Aluminium butterfly handle - Flat face - For double compression connections

CODE	SIZE		
350-1021	3/4"	50	200
350-1026	1"	30	120
350-1033	1"1/4	20	80
350-1041	1"1/2	12	48
350-1046	1"3/4	7	28
350-1051	2"	7	28
350-1061	2"1/4	4	16
350-1066	2"3/8	4	16

cim® 350L

Ball valve - Brass CW617N DW - Aluminium lever handle - Flat face - For double compression connections

CODE	SIZE		
350L-1021	1/2"	40	160
350L-1026	3/4"	25	100
350L-1033	1"	16	64
350L-1041	1"1/4	10	40
350L-1046	1"1/2	6	24
350L-1051	2"	6	24
350L-1061	2"1/4	4	16
350L-1066	2"3/8	4	16

cim® 352

Isolation ball valve - Brass CW617N DW - Aluminium butterfly handle - Flat face - For double compression connections

CODE	SIZE		
352-1021	3/4"	20	80
352-1026	1"	15	60
352-1033	1"1/4	10	40
352-1041	1"1/2	8	32
352-1046	1"3/4	4	16
352-1051	2"	4	16
352-1061	2"1/4	2	8
352-1066	2"3/8	2	8

cim® 352L

Isolation ball valve - Brass CW617N DW - Aluminium lever handle - Flat face - For double compression connections

CODE	SIZE		
352L-1021	3/4"	20	80
352L-1026	1"	15	60
352L-1033	1"1/4	10	40
352L-1041	1"1/2	8	32
352L-1046	1"3/4	4	16
352L-1051	2"	4	16
352L-1061	2"1/4	2	8
352L-1066	2"3/8	2	8

cim® 626-306

Ball valve for pumps - Brass CW617N DW - Brass safety cap - With strainer

CODE	SIZE		
626-306-2131	3/4" x 1"1/2	15	60
626-306-2156	1" x 1"1/2	15	60

cim® 353

Ball valve for pumps - Brass CW617N DW - Aluminium butterfly handle

CODE	SIZE		
353-2131	3/4" x 1"1/2	16	64
353-2156	1" x 1"1/2	16	64

cim® 460CF

Ball valve - Brass CW617N DW - Nylon 6/6 butterfly handle - With strainer - Male/Swivel nut

CODE	SIZE		
460CF-2102	1/2"X 1/2"	50	200

cim® 470CF

Ball valve - Brass CW617N DW - Nylon 6/6 butterfly handle - With strainer - Male/Swivel nut

CODE	SIZE		
470CF-2128	3/4" x 3/4"	25	100

cim® 2020C

Ball valve - Brass CW617N DW - Steel lever handle

CODE	SIZE		
2020C-1015	1/2"	80	-
2020C-1020	3/4"	50	-

cim® 2020CG

Ball valve - Brass CW617N DW - Steel lever handle - Gas use

CODE	SIZE		
2020CG-1020	3/4"	72	-

cim® 311RMG

Ball valve - Brass CW617N DW - Aluminium butterfly handle - Gas use

CODE	SIZE		
311RMG-1020	3/4"	40	80

cim® 311RMG2

Ball valve - Brass CW617N DW - Aluminium butterfly handle - Gas use

CODE	SIZE		
311RMG2-1020	3/4"	40	80

cim® 3994

Ball valve - Brass CW617N DW - Brass square cap - Male/Swivel nut

CODE	SIZE		
3994-2128	3/4" x 3/4"	50	200

cim® 5650C

Ball valve - Brass CW617N DW - Brass square cap

CODE	SIZE		
5650C-1020	3/4"	50	100

cim® A250

Ball valve - Full bore - Brass CW625N DW - Nylon 6/6 handle - With pressure and temperature test points - Female/Pipe union

CODE	SIZE		
A250-2154	1" x 1"	8	32
A250-2180	1"1/4 × 1"1/4	6	24

cim® 953B

Lockable safety cap (DN 1/2" - 3/4" - 1") - Brass CW617N DW

CODE		
953B-0000	25	100

TO BE USED FOR	
Cim B10	1/2"
Cim B12	1/2" - 3/4" - 1"
Cim B14	1/2" - 3/4"
	- 1""

cim® 955B

Lockable safety cap (DN 1"1/4) - Brass CW617N DW

CODE		
955B-0000	30	120

TO BE USED FOR	
Cim B10	3/4" - 1"
Cim B12	1"1/4
Cim B14	1"1/4

cim® 957

Lockable safety cap (DN 1/2" - 3/4" - 1") - Brass CW617N DW

CODE		
957-0000	20	80

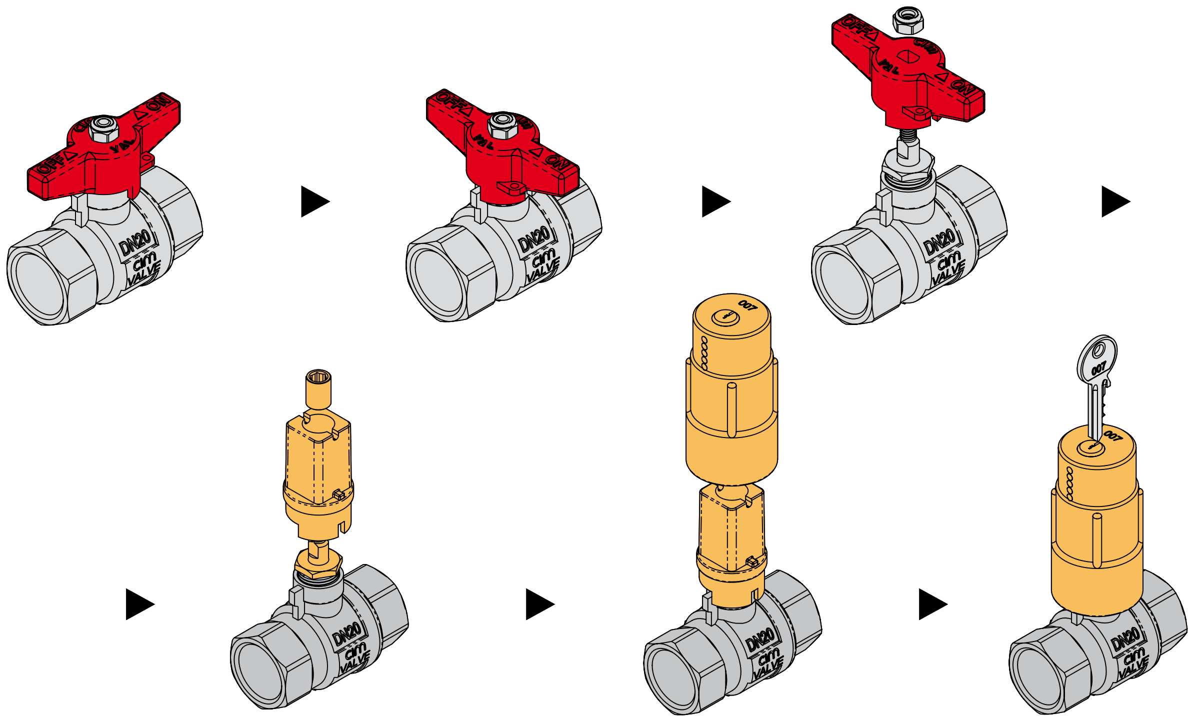
TO BE USED FOR	
Cim B10	1/2"
Cim B12	1/2" - 3/4" - 1"
Cim B14	1/2" - 3/4" - 1"

cim® 958

Lockable safety cap (DN 1"1/4) - Brass CW617N DW

CODE		
958-0000	20	80

TO BE USED FOR	
Cim B10	3/4" - 1"
Cim B12	1"1/4
Cim B14	1"1/4



cim® 510

Insulating extension for valves series T10 / T12 / T14

CODE	510-0000	511-0000	512-0000	513-0000	514-0000
	-	-	-	-	-
	-	-	-	-	-
Cim 10	1/2"	3/4" - 1"	1"1/4 - 1"1/2 - 2"	2"1/2 - 3"	4"
Cim 12	1/2" - 3/4" - 1"	1"1/4	1"1/2 - 2"	2"1/2 - 3"	4"
Cim 14	1/2" - 3/4" - 1"	1"1/4	1"1/2 - 2"	2"1/2 - 3" - 4"	-

cim® 520

Insulating extension for valves series T11 / T11CR / T14M

CODE	520-0000	521-0000	522-0000	523-0000
	-	-	-	-
	-	-	-	-
Cim 11	1/2"	3/4" - 1"	1"1/4	1"1/2 - 2"
Cim 11CR	1/2"	3/4" - 1"	1"1/4	1"1/2 - 2"
Cim 14M	1/2"	3/4" - 1"	1"1/4	1"1/2 - 2"

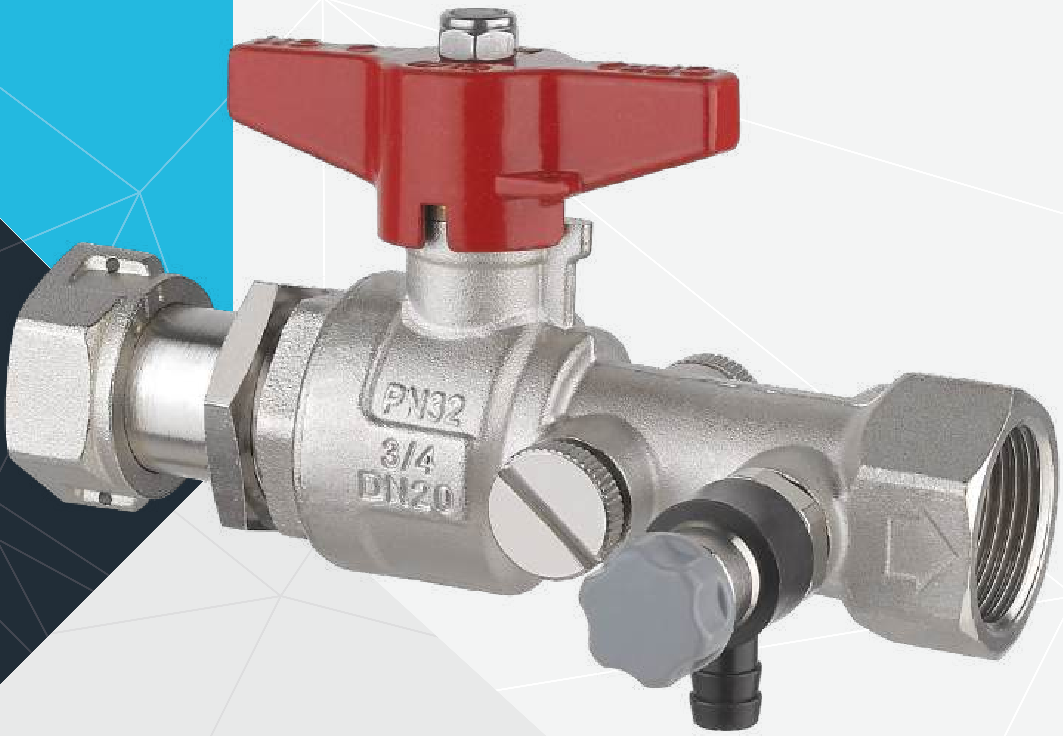
cim® 530NEW

Insulating extension for valves series T16 / T17 / T16CR / T17CR / RED6 / RED5

CODE	530NEW-2097	531NEW-2175	532NEW-2201
	-	-	-
	-	-	-
Cim 16 **Cim 17**	1/2" - 3/4"	1" - 1"1/4	1"1/2 - 2"
Cim 16CR **Cim 17CR**	1/2" - 3/4"	1" - 1"1/4	1"1/2 - 2"
Cim 16CRNL **Cim 17CRNL**	1/2" - 3/4"	1" - 1"1/4	1"1/2 - 2"
Cim RED6 **Cim RED5**	1/2" - 3/4"	1" - 1"1/4	1"1/2 - 2"
Cim 1220CRNL **Cim 1221CRNL**	15 × 15 - 22 × 22	28 × 28 - 35 × 35	42 × 42 - 54 × 54

Chapter 4

Waterworks valves



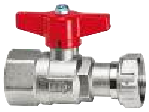
cimberio®

technological **valve** solutions

cim® 204

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - Female/Swivel nut

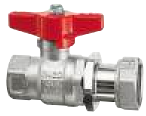
CODE	SIZE		
204-2103	1/2" x 3/4"	30	120
204-2124	3/4" x 3/4"	30	120
204-2133	3/4" x 1"	16	64
204-2153	1" x 3/4"	16	64
204-2150	1" x 1"	16	64
204-2176	1 × 1"1/4	10	40
204-2183	1"1/4 × 1"	10	40
204-2184	1"1/4 × 1"1/2	8	32
204-2202	1"1/2 × 2"	8	24
204-2231	2" x 2"	4	16



cim® 204BR

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With bracket lock nut - Female/Swivel nut

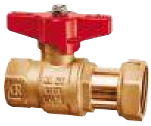
CODE	SIZE		
204BR-2103	1/2" x 3/4"	30	120
204BR-2079	3/4" x 3/4"	30	120
204BR-2133	3/4" x 1"	20	80
204BR-2153	1" x 3/4"	16	64
204BR-2150	1" x 1"	16	64
204BR-2176	1 × 1"1/4	10	40
204BR-2183	1"1/4 × 1"	10	40
204BR-2184	1"1/4 × 1"1/2	8	32
204BR-2202	1"1/2 × 2"	8	32
204BR-2231	2" x 2"	4	16



cim® 204CR

T12 series - Ball valve - Brass CW625N DW - Aluminium butterfly handle - Female/Swivel nut

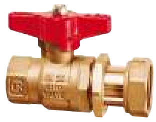
CODE	SIZE		
204CR-2103	1/2" x 3/4"	30	120
204CR-2079	3/4" x 3/4"	30	120
204CR-2133	3/4" x 1"	16	64
204CR-2151	1" x 1"	16	64
204CR-2176	1 × 1"1/4	10	40
204CR-2183	1"1/4 × 1"	10	40
204CR-2184	1"1/4 × 1"1/2	8	32
204CR-2202	1"1/2 × 2"	6	32
204CR-2231	2" x 2"	4	16



cim® 204CRBR

T12 series - Ball valve - Brass CW625N DW - Aluminium butterfly handle - With bracket lock nut - Female/Swivel nut

CODE	SIZE		
204CRBR-2103	1/2" x 3/4"	30	120
204CRBR-2079	3/4" x 3/4"	25	100
204CRBR-2133	3/4" x 1"	16	64
204CRBR-2183	1"1/4 × 1"	10	40
204CRBR-2184	1"1/4 × 1"1/2	8	32
204CRBR-2202	1"1/2 × 2"	8	32
204CRBR-2231	2" x 2"	4	16



cim® 204OT

T12 series - Ball valve - Brass CW617N DW - Brass lever handle - Female/Swivel nut

CODE	SIZE		
204OT-2103	1/2" x 3/4"	30	120
204OT-2124	3/4" x 3/4"	30	120
204OT-2133	3/4" x 1"	16	64
204OT-2153	1" x 3/4"	16	64
204OT-2150	1" x 1"	16	64
204OT-2176	1 × 1"1/4	10	40
204OT-2183	1"1/4 × 1"	10	40
204OT-2184	1"1/4 × 1"1/2	8	32
204OT-2202	1"1/2 × 2"	8	32
204OT-2231	2" x 2"	4	16

cim® 204-206

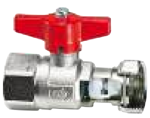
T12 series - Ball valve - Brass CW617N DW - Brass square cap 20 × 20 - Female/Swivel nut

CODE	SIZE		
204-206-2103	1/2" x 3/4"	30	120
204-206-2124	3/4" x 3/4"	30	120
204-206-2133	3/4" x 1"	16	64
204-206-2153	1" x 3/4"	16	64
204-206-2150	1" x 1"	16	64
204-206-2176	1 × 1"1/4	10	40
204-206-2183	1"1/4 × 1"	10	40
204-206-2184	1"1/4 × 1"1/2	8	32
204-206-2202	1"1/2 × 2"	6	24
204-206-2231	2" x 2"	4	16

cim® 204NR

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With non return valve - Female/Swivel nut

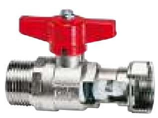
CODE	SIZE		
204NR-2103	1/2" x 3/4"	30	120
204NR-2124	3/4" x 3/4"	30	120
204NR-2133	3/4" x 1"	16	64
204NR-2153	1" x 3/4"	16	64
204NR-2150	1" x 1"	16	64



cim® 205NR

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With non return valve - Male/Swivel nut

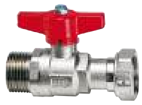
CODE	SIZE		
205NR-2103	1/2" x 3/4"	30	120
205NR-2124	3/4" x 3/4"	30	120
205NR-2133	3/4" x 1"	16	64
205NR-2150	1" x 1"	16	64



cim® 205

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - Male/Swivel nut

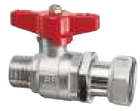
CODE	SIZE		
205-2103	1/2" x 3/4"	30	120
205-2124	3/4" x 3/4"	30	120
205-2133	3/4" x 1"	16	64
205-2152	1" x 3/4" - Ø15	16	64
205-2153	1" x 3/4" - Ø20	16	64
205-2150	1" x 1"	16	64
205-2176	1 × 1"1/4	10	40
205-2183	1"1/4 x 1"	10	40
205-2180	1"1/4 × 1"1/4	8	32
205-2184	1"1/4 x 1"1/2	8	32
205-2212	1"1/2 × 1"1/4	8	32
205-2210	1"1/2 × 1"1/2	8	32
205-2202	1"1/2 × 2"	6	24
205-2231	2" x 2"	4	16



cim® 205BR

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With bracket lock nut - Male/Swivel nut

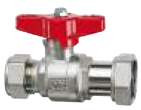
CODE	SIZE		
205BR-2103	1/2" x 3/4"	30	120
205BR-2124	3/4" x 3/4"	30	120
205BR-2133	3/4" x 1"	16	64
205BR-2152	1" x 3/4" - Ø15	16	64
205BR-2153	1" x 3/4" - Ø20	16	64
205BR-2150	1" x 1"	16	64
205BR-2176	1 × 1"1/4	10	40
205BR-2183	1"1/4 x 1"	10	40
205BR-2213	1"1/4 × 1"1/4	10	40
205BR-2184	1"1/4 x 1"1/2	8	32
205BR-2212	1"1/2 × 1"1/4	8	32
205BR-2210	1"1/2 × 1"1/2	6	24
205BR-2202	1"1/2 × 2"	8	32
205BR-2231	2" x 2"	4	16



cim® 287

T12 series- Ball valve - Brass CW617N DW - Aluminium butterfly handle - Compression/Swivel nut

CODE	SIZE		
287-5009	15 × 3/4"	30	120
287-5041	22 × 3/4"	20	80
287-5043	22 × 1"	20	80
287-5048	28 × 1"	15	60
287-5044	28 × 1"1/4	10	40
287-5045	35 × 1"	10	40
287-5046	35 × 1"1/2	8	32
287-5047	42 × 2"	8	32
287-5055	54 × 2"	4	16



cim® 287BR

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With bracket lock nut - Compression/Swivel nut

CODE	SIZE		
287BR-5009	15 × 3/4"	30	120
287BR-5041	22 × 3/4"	20	80
287BR-5043	22 × 1"	16	64
287BR-5048	28 × 1"	15	60
287BR-5044	28 × 1"1/4	10	40
287BR-5045	35 × 1"	10	40
287BR-5046	35 × 1"1/2	8	32
287BR-5047	42 × 2"	8	32
287BR-5055	54 × 2"	4	16

cim® 289

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - Female/Swivel nut

CODE	SIZE		
289-2103	1/2" x 3/4"	30	120
289-2079	3/4" x 3/4"	20	80
289-2133	3/4" x 1"	20	80
289-2153	1" x 3/4"	15	60
289-2150	1" x 1"	15	60

cim® 289BR

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With bracket lock nut - Female/Swivel nut

CODE	SIZE		
289BR-2103	1/2" x 3/4"	30	120
289BR-2079	3/4" x 3/4"	20	80
289BR-2133	3/4" x 1"	20	80
289BR-2153	1" x 3/4"	15	60
289BR-2150	1" x 1"	15	60

cim® 290

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - Male/Swivel nut

CODE	SIZE		
290-2103	1/2" x 3/4"	15	60
290-2124	3/4" x 3/4" - Ø15	20	80
290-2079	3/4" x 3/4" - Ø20	10	40
290-2133	3/4" x 1"	15	60
290-2153	1" x 3/4"	10	40
290-2150	1" x 1"	10	40
290-2210	1"1/2 × 1"1/2	6	20
290-2229	2" x 2"	4	16

cim® 290BR

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With bracket lock nut - Male/Swivel nut

CODE	SIZE		
290BR-2103	1/2" x 3/4"	15	60
290BR-2124	3/4" x 3/4" - Ø15	10	40
290BR-2079	3/4" x 3/4" -	10	40
290BR-2133	Ø20	10	40
290BR-2153	3/4" x 1"	10	40
290BR-2150	1" x 3/4"	10	40
290BR-2210	1" x 1"	5	20
290BR-2229	1"1/2 × 1"1/2	4	16
	2" x 2"		

cim® 289NR

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With non return valve - Female/Swivel nut

CODE	SIZE		
289NR-2079	3/4" x 3/4"	20	80
289NR-2133	3/4" x 1"	20	80
289NR-2153	1" x 3/4"	15	60
289NR-2150	1" x 1"	15	60

cim® 290NR

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With non return valve - Male/Swivel nut

CODE	SIZE		
290NR-2124	3/4" x 3/4" - Ø15	20	80
290NR-2079	3/4" x 3/4" - Ø20	20	80
290NR-2153	1" x 3/4"	15	60
290NR-2150	1" x 1"	15	60

cim® 284

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - PE/Swivel nut

CODE	SIZE		
284-3139	25 × 3/4"	20	80
284-4027	25 × 1"	15	60
284-5038	32 × 3/4"	15	60
284-3163	32 × 1"	15	60
284-5039	40 × 1"	12	48
284-3187	40 × 1"1/4	8	32
284-5040	40 × 1"1/2	6	24
284-5084	50 × 1"1/2	6	24
284-5049	50 × 2"	3	12

cim® 284BR

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With bracket lock nut - PE/Swivel nut

CODE	SIZE		
284BR-3139	25 × 3/4"	20	80
284BR-4027	25 × 1"	15	60
284BR-5038	32 × 3/4"	15	60
284BR-3163	32 × 1"	15	60
284BR-5039	40 × 1"	12	48
284BR-3187	40 × 1"1/4	6	24
284BR-5040	40 × 1"1/2	12	48
284BR-5084	50 × 1"1/2	4	16
284BR-5049	50 × 2"	4	16

cim® 284NR

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With non return valve - PE/Swivel nut

CODE	SIZE		
284NR-3139	25 × 3/4"	80	200
284NR-4027	25 × 1"	15	60
284NR-3163	32 × 1"	15	60

cim® 284NRBR

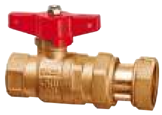
T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With non return valve and bracket lock-nut - PE/Swivel nut

CODE	SIZE		
284NRBR-3139	25 × 3/4"	20	80
284NRBR-4027	25 × 1"	15	60
284NRBR-3163	32 × 1"	15	60

cim® 203

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With extension fitting - Female/Swivel nut

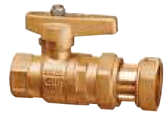
CODE	SIZE		
203-2103	1/2" x 3/4"	30	120
203-2124	3/4" x 3/4"	25	100
203-2133	3/4" x 1"	20	80
203-2176	1 × 1"1/4	10	40



cim® 203OT

T12 series - Ball valve - Brass CW617N DW - Brass lever handle - With extension fitting - Female/Swivel nut

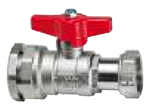
CODE	SIZE		
203OT-2103	1/2" x 3/4"	30	120
203OT-2124	3/4" x 3/4"	25	100
203OT-2133	3/4" x 1"	20	80
203OT-2176	1 × 1"1/4	10	40



cim® 283

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - PE/Swivel nut

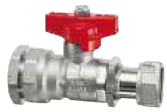
CODE	SIZE		
283-3139	25 × 3/4"	20	80
283-4027	25 × 1"	15	60
283-5038	32 × 3/4"	15	60
283-3163	32 × 1"	15	60
283-3171	32 × 1"1/4	10	40
283-5039	40 × 1"	8	32
283-3187	40 × 1"1/4	6	24
283-5040	40 × 1"1/2	8	32
283-5084	50 × 1"1/2	4	16
283-5049	50 × 2"	4	16



cim® 283BR

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With bracket lock nut - PE/Swivel nut

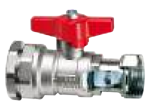
CODE	SIZE		
283BR-3139	25 × 3/4"	20	80
283BR-4027	25 × 1"	15	60
283BR-5038	32 × 3/4"	15	60
283BR-3163	32 × 1"	15	60
283BR-5039	40 × 1"	8	32
283BR-3187	40 × 1"1/4	8	32
283BR-5040	40 × 1"1/2	8	32
283BR-5084	50 × 1"1/2	6	24
283BR-5049	50 × 2"	4	16



cim® 283NR

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With non return valve - PE/Swivel nut

CODE	SIZE		
283NR-3139	25 × 3/4"	20	80
283NR-4027	25 × 1"	20	80
283NR-3163	32 × 1"	15	60
283NR-3171	32 × 1"1/4	10	40



cim® 283NRBR

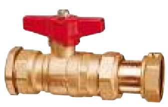
T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With non return valve and bracket lock nut - PE/Swivel nut

CODE	SIZE		
283NRBR-3139	25 × 3/4"	20	80
283NRBR-4027	25 × 1"	20	80
283NRBR-3163	32 × 1"	15	60
283NRBR-3171	32 × 1"1/4	10	40

cim® 278

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With extension fitting - Female/Swivel nut

CODE	SIZE		
278-3139	25 × 3/4"	20	80
278-4027	25 × 1"	15	60
278-3171	32 × 1"1/4	10	40



cim® 278OT

T12 series - Ball valve - Brass CW617N DW - Brass lever handle - With extension fitting - PE/Swivel nut

CODE	SIZE		
278OT-4031	25 × 3/4"	20	80
278OT-4027	25 × 1"	15	60
278OT-3171	32 1"1/4	10	40

cim® 283-206

T12 series - Ball valve - Brass CW617N DW - Brass square cap 20 × 20 - PE/Swivel nut

CODE	SIZE		
283-206-3139	25 × 3/4"	20	80
283-206-4027	25 × 1"	15	60
283-206-5038	32 × 3/4"	15	60
283-206-3163	32 × 1"	15	60
283-206-3171	32 × 1"1/4	10	40
283-206-5039	40 × 1"	8	32
283-206-3187	40 × 1"1/4	8	32
283-206-5040	40 × 1"1/2	8	32
283-206-5084	50 × 1"1/2	4	16
283-206-5049	50 × 2"	4	16

cim® 278-206

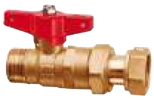
T12 series - Ball valve - Brass CW617N DW - Brass square cap 20 × 20 - With extension fitting - PE/Swivel nut

CODE	SIZE		
278-206-3139	25 × 3/4"	20	80
278-206-4027	25 × 1"	15	60
278-206-3171	32 × 1"1/4	10	40

cim® 199

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With extension fitting - Male/Swivel nut

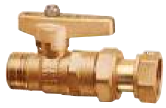
CODE	SIZE		
199-2103	1/2" x 3/4"	30	120
199-2124	3/4" x 3/4"	25	100
199-2133	3/4" x 1"	20	80
199-2176	1 × 1"1/4	10	40



cim® 1990T

T12 series - Ball valve - Brass CW617N DW - Brass lever handle - With extension fitting - Male/Swivel nut

CODE	SIZE		
1990T-2103	1/2" x 3/4"	25	100
1990T-2124	3/4" x 3/4"	25	100
1990T-2133	3/4" x 1"	20	80
1990T-2176	1 × 1"1/4	10	40



cim® 199-206

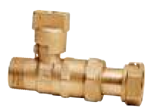
T12 series - Ball valve - Brass CW617N DW - Brass square cap 20 × 20 - With extension fitting - Male/Swivel nut

CODE	SIZE		
199-206-2103	1/2" x 3/4"	30	120
199-206-2124	3/4" x 3/4"	25	100
199-206-2133	3/4" x 1"	20	80
199-206-2176	1" x "1/4	10	40

cim® 199CH13

T12 series - Ball valve - Brass CW617N DW - Brass cap CH 13 - With extension fitting - Male/Swivel nut

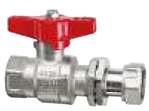
CODE	SIZE		
199CH13-2124	3/4" x 3/4"	25	100



cim® 492

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With bracket lock nut - Female/Swivel nut

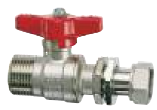
CODE	SIZE		
492-2079	3/4" x 3/4"	25	100
492-2153	1" x 3/4"	15	60



cim® 493

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With bracket lock nut - Male/Swivel nut

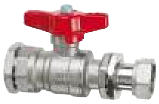
CODE	SIZE		
493-2079	3/4" x 3/4"	25	100
493-2153	1" x 3/4"	15	60



cim® 494

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With bracket lock nut - PE/Swivel nut

CODE	SIZE		
494-3138	25 × 3/4"	15	60
494-5038	32 × 3/4"	15	60



cim® 494OT

T12 series - Ball valve - Brass CW617N DW - Brass lever handle - With bracket lock nut - PE/Swivel nut

CODE	SIZE		
494OT-3138	25 × 3/4"	15	60
494OT-5038	32 × 3/4"	15	60

cim® 256

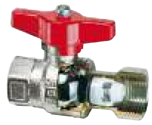
T12 series - Ball valve - Brass CW617N DW - Aluminium lever handle - With non return valve

CODE	SIZE		
256-1015	1/2"	30	120
256-1020	3/4"	20	80
256-1025	1"	15	60
256-1032	1"1/4	10	40
256-1040	1"1/2	6	24
256-1050	2"	3	12

cim® 356

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With non return valve

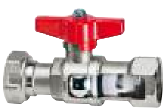
CODE	SIZE		
356-1015	1/2"	30	120
356-1020	3/4"	20	80
356-1025	1"	15	60
356-1032	1"1/4	10	40
356-1040	1"1/2	6	24
356-1050	2"	3	12



cim® 304

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With non return valve - Female/Swivel nut

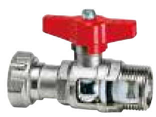
CODE	SIZE		
304-2125	3/4" x 1/2"	30	120
304-2124	3/4" x 3/4"	25	100
304-2153	1" x 3/4"	16	64
304-2150	1" x 1"	16	64



cim® 305

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With non return valve - Male/Swivel nut

CODE	SIZE		
305-2125	3/4" x 1/2"	30	120
305-2124	3/4" x 3/4"	30	120
305-2153	1" x 3/4"	20	80
305-2150	1" x 1"	20	80



cim® 210

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With drain cock - Female/Swivel nut

CODE	SIZE		
210-2125	3/4" x 1/2"	25	100
210-2079	3/4" x 3/4"	20	80
210-2153	1" x 3/4"	15	60
210-2151	1" x 1"	15	60
210-2177	1"1/4 × 1"	10	40
210-2212	1"1/2 × 1"1/4	8	32

cim® 210BR

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With drain cock and bracket lock nut - Female/Swivel nut

CODE	SIZE		
210BR-2125	3/4" x 1/2"	25	100
210BR-2079	3/4" x 3/4"	20	80
210BR-2153	1" x 3/4"	15	60
210BR-2151	1" x 1"	15	60
210BR-2177	1"1/4 × 1"	10	40
210BR-2212	1"1/2 × 1"1/4	8	32

cim® 211

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With non return valve - 4 drain/test points - Female/Swivel nut

CODE	SIZE		
211-2125	3/4" x 1/2"	25	100
211-2079	3/4" x 3/4"	15	60
211-2153	1" x 3/4"	15	60
211-2151	1" x 1"	10	40
211-2177	1"1/4 × 1"	10	40

cim® 211BR

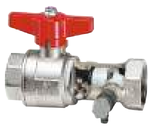
T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With non return valve - 4 drain/test points and bracket lock nut - Female/Swivel nut

CODE	SIZE		
211BR-2125	3/4" x 1/2"	25	100
211BR-2079	3/4" x 3/4"	15	60
211BR-2153	1" x 3/4"	15	60
211BR-2151	1" x 1"	10	40
211BR-2177	1"1/4 × 1"	10	40

cim® 212

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With non return valve - 4 drain/test points

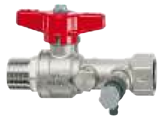
CODE	SIZE		
212-2095	1/2" x 1/2"	20	100
212-2079	3/4" x 3/4"	15	60
212-2151	1" x 1"	10	40



cim® 213

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With non return valve - 4 drain/test points

CODE	SIZE		
213-2095	1/2" x 1/2"	25	100
213-2079	3/4" x 3/4"	15	60
213-2151	1" x 1"	10	40



cim® 211PE

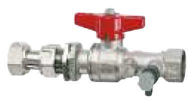
T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With non return valve - 4 drain/test points - PE/Swivel nut

CODE	SIZE		
211PE-3147	3/4" x 25	15	60
211PE-3160	1" x 25	10	40

cim® 496

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With non return valve - 4 drain/test points and bracket lock nut and extension fitting

CODE	SIZE		
496-2079	3/4" x 3/4"	20	80
496-2133	3/4" x 1"	15	60



cim® 619

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With strainer - Female/Swivel nut

CODE	SIZE		
619-2125	3/4" x 1/2"	25	100
619-2079	3/4" x 3/4"	20	80
619-2153	1" x 3/4"	15	60
619-2151	1" x 1"	15	60
619-2177	1"1/4 × 1"	10	40

cim® 270

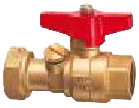
T12 series - Ball valve - Brass CW617N DW - Brass butterfly handle - With non return valve - 2 test points and bracket lock nut - Female/Swivel nut

CODE	SIZE		
270-2125	3/4" x 1/2"	10	40

cim® 303

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With 30° drain point - Female/Swivel nut

CODE	SIZE		
303-2125	3/4" x 1/2"	30	120
303-2153	1" x 3/4"	20	80
303-2177	1"1/4 × 1"	10	40



cim® 303PE

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - With 30° drain point - PE/Swivel nut

CODE	SIZE		
303PE-3146	3/4" x 25	25	100
303PE-3160	1" x 25	20	80
303PE-3169	1" x 32	20	80

cim® 211BROT

T12 series - Ball valve - Brass CW617N DW - Brass lever handle - With non return valve - 4 drain/test points and bracket lock nut - Female/Swivel nut

CODE	SIZE		
211BROT-2125	3/4" x 1/2"	25	100
211BROT-2079	3/4" x 3/4"	15	60
211BROT-2153	1" x 3/4"	15	60
211BROT-2151	1" x 1"	10	40
211BROT-2177	1"1/4 × 1"	10	40

cim® 211BROT1

T12 series - Ball valve - Brass CW617N DW - Brass butterfly handle - With non return valve - 4 drain/test points and bracket lock nut - Female/Swivel nut

CODE	SIZE		
211BROT1-2125	3/4" x 1/2"	25	100
211BROT1-2079	3/4" x 3/4"	15	60
211BROT1-2153	1" x 3/4"	15	60
211BROT1-2151	1" x 1"	10	40
211BROT1-2177	1"1/4 × 1"	10	40

cim® 1106

T12 series - Ball valve - Brass CW617N DW - Brass lever handle - PE/Swivel nut

CODE	SIZE		
1106-3163	32 × 1"	10	40

cim® 1093

T12 series - Ball valve - Brass CW617N DW - Brass lever handle - With non return valve - 4 drain/test points - PE/Swivel nut

CODE	SIZE		
1093-3163	32 × 1"	6	24

cim® 2200OT1

T12 series - Ball valve - Brass CW617N DW - Brass butterfly handle - With non return valve - 4 drain/test points and bracket lock nut - Male/Swivel nut

CODE	SIZE		
2200OT1-2128	3/4" x 3/4"	25	100

cim® 2202OT1

T12 series - Ball valve - Brass CW617N DW - Brass butterfly handle - With non return valve - 4 drain/test points and bracket lock nut - Male/Swivel nut

CODE	SIZE		
2202OT1-2128	3/4" x 3/4"	25	100

cim® 2100OT1

T12 series - Ball valve - Brass CW617N DW - Brass butterfly handle - With non return valve - 2 test points - Male/Swivel nut

CODE	SIZE		
2100OT1-2128	3/4" x 3/4"	25	100

cim® 2102BROT

T12 series - Ball valve - Brass CW617N DW - Brass butterfly handle - With non return valve - 2 drain points and bracket lock nut - Male/Swivel nut

CODE	SIZE		
2102BROT-2128	3/4" x 3/4"	25	100

cim® 2000

Fitting - Brass CW617N DW - With non return valve - 2 test points - Male/Swivel nut

CODE	SIZE		
2000-2165	3/4" x 3/4" - 58	40	160
2000-2166	3/4" x 3/4" - 78	40	160
2000-2167	3/4" x 3/4" - 89,5	40	160
2000-2154	1" x 1" - 81	30	120
2000-2180	1"1/4 × 1"1/4 - 100	15	60
2000-2206	1"1/2 × 1"1/2 - 100	10	40
2000-2232	2" x 2" - 105	6	24

cim® 2002

Fitting - Brass CW617N DW - With non return valve - 2 drain points - Male/Swivel nut

CODE	SIZE		
2002-2165	3/4" x 3/4" - 58	30	120
2002-2166	3/4" x 3/4" - 78	30	120
2002-2167	3/4" x 3/4" - 89,5	30	120
2002-2154	1" x 1" - 81	20	80
2002-2180	1"1/4 × 1"1/4 - 100	10	40
2002-2206	1"1/2 × 1"1/2 - 100	6	24
2002-2232	2" x 2" - 105	4	16

cim® 280

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium lever handle - PE/PE

CODE	SIZE		
280-4025	25 × 25 - Ø15	20	80
280-5025	25 × 25 - Ø20	15	60
280-5032	32 × 32 - Ø20	15	60

cim® 380

T12 series - Ball valve - Full bore - Brass CW617N DW - Aluminium butterfly handle - PE/PE

CODE	SIZE		
380-4025	25 × 25 - Ø15	20	80
380-5025	25 × 25 - Ø20	15	60
380-5032	32 × 32 - Ø20	15	60

cim® 281

T12 series - Ball valve - Brass CW617N DW - Aluminium lever handle - Female/Pex

CODE	SIZE		
281-3120	1/2" x 25	25	100
281-3146	3/4" x 25 - Ø15	15	60
281-3147	3/4" x 25- Ø20	15	60
281-3149	3/4" x 32	15	60
281-3160	1" x 25	15	60
281-3169	1" x 32 - Ø20	10	40
281-3170	1" x 32 - Ø25	10	40
281-3183	1"1/4 × 40	6	24
281-3209	1"1/2 × 50	4	16

cim® 381

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - Female/Pex

CODE	SIZE		
381-3120	1/2" x 25	25	100
381-3146	3/4" x 25 - Ø15	15	60
381-3147	3/4" x 25- Ø20	15	60
381-3149	3/4" x 32	15	60
381-3160	1" x 25	15	60
381-3169	1" x 32 - Ø20	10	40
381-3170	1" x 32 - Ø25	10	40
381-3183	1"1/4 × 40	6	24
381-3209	1"1/2 × 50	4	16

cim® 282

T12 series - Ball valve - Brass CW617N DW - Aluminium lever handle - Male/PE

CODE	SIZE		
282-3120	1/2" x 25	25	100
282-3146	3/4" x 25 - Ø15	15	60
282-3147	3/4" x 25 - Ø20	15	60
282-3149	3/4" x 32	15	60
282-3160	1" x 25	15	60
282-3169	1" x 32 - Ø20	10	40
282-3170	1" x 32 - Ø25	10	40
282-3183	1"1/4 × 40	6	24
282-3209	1"1/2 × 50	4	16

cim® 382

T12 series - Ball valve - Brass CW617N DW - Aluminium butterfly handle - Male/PE

CODE	SIZE		
382-3120	1/2" x 25	25	100
382-3146	3/4" x 25 - Ø15	15	60
382-3147	3/4" x 25 - Ø20	15	60
382-3149	3/4" x 32	15	60
382-3160	1" x 25	15	60
382-3169	1" x 32 - Ø20	10	40
382-3170	1" x 32 - Ø25	10	40
382-3183	1"1/4 × 40	6	24
382-3209	1"1/2 × 50	4	16

cim® 750

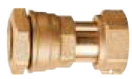
Fitting for water meter - Brass CW617N DW - Swivel nut/Male

CODE	SIZE		
750-2127	3/4" x 1/2"	200	50
750-2149	1" x 3/4"	200	50
750-2179	1"1/4 x 1"	120	30
750-2205	1"1/2 × 1"1/4	80	20
750-2230	2" x 1"1/2	80	20
750-2241	2"1/2 × 2"	32	8

cim® 751

Fitting for water meter - Brass CW617N DW - Swivel nut/PE

CODE	SIZE		
751-3135	3/4" x 20	30	-
751-3157	1" x 25	30	-



cim® 752

Fitting for water meter - Brass CW617N DW - With extension fitting - Non return valve and bracket lock nut - Swivel nut/Male

CODE	SIZE		
752-2129	3/4" x 1"	50	200

cim® 753

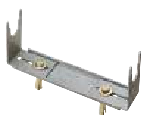
Fitting for water meter - Brass CW617N DW - With extension fitting and bracket lock nut - Swivel nut/Male

CODE	SIZE		
753-2128	3/4" x 3/4"	50	200

cim® 490

Adjustable bracket for water meters - Galvanized steel

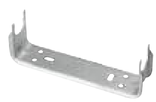
CODE	SIZE		
490-0000	-	8	32



cim® 491

Bracket for water meters - Galvanized steel

CODE	SIZE		
491-0000	-	-	50



cimALT

Ball valve with tamper-proof device

cim® 204F21

T12 series - CIMALT - Ball valve - Brass CW617N DW - Aluminium butterfly handle with tamper proof device - Female/Swivel nut

CODE	SIZE		
204F21-2103	1/2" x 3/4"	30	120
204F21-2124	3/4" x 3/4"	30	120
204F21-2133	3/4" x 1"	16	64
204F21-2153	1" x 3/4"	16	64
204F21-2150	1" x 1"	16	64
204F21-2176	1" x 1"1/4	10	40
204F21-2183	1"1/4 × 1"	10	40
204F21-2184	1"1/4 × 1"1/2	8	32
204F21-2202	1"1/2 × 2"	4	16
204F21-2231	2" x 2"	4	16

cim® 204OT1F21

T12 series - CIMALT - Ball valve - Brass CW617N DW - Brass butterfly handle with tamper proof device - Female/Swivel nut

CODE	SIZE		
204OT1F21-2103	1/2" x 3/4"	30	120
204OT1F21-2124	3/4" x 3/4"	25	100
204OT1F21-2133	3/4" x 1"	16	64
204OT1F21-2153	1" x 3/4"	16	64
204OT1F21-2150	1" x 1"	16	64
204OT1F21-2176	1" x 1"1/4	10	40

cim® 204-206C21

T12 series - CIMALT - Ball valve - Brass CW617N DW - Brass square cap 20 × 20 with tamper proof device - Female/Swivel nut

CODE	SIZE		
204-206C21-2103	1/2" x 3/4"	30	120
204-206C21-2124	3/4" x 3/4"	30	120
204-206C21-2133	3/4" x 1"	16	64
204-206C21-2153	1" x 3/4"	16	64
204-206C21-2150	1" x 1"	16	64
204-206C21-2176	1" x 1"1/4	10	40
204-206C21-2183	1"1/4 × 1"	10	40
204-206C21-2184	1"1/4 × 1"1/2	8	32
204-206C21-2202	1"1/2 × 2"	8	32
204-206C21-2231	2" x 2"	4	16

cim® 205F21

T12 series - CIMALT - Ball valve - Brass CW617N DW - Aluminium butterfly handle with tamper proof device - Male/Swivel nut

CODE	SIZE		
205F21-2103	1/2" x 3/4"	30	120
205F21-2124	3/4" x 3/4"	30	120
205F21-2133	3/4" x 1"	16	64
205F21-2153	1" x 3/4"	16	64
205F21-2150	1" x 1"	16	64
205F21-2176	1" x 1"1/4	10	40
205F21-2183	1"1/4 × 1"	10	40
205F21-2184	1"1/4 × 1"1/2	8	32
205F21-2202	1"1/2 × 2"	8	32
205F21-2231	2" x 2"	4	16

cim® 205OT1F21

T12 series - CIMALT - Ball valve - Brass CW617N DW - Brass butterfly handle with tamper proof device - Male/Swivel nut

CODE	SIZE		
205OT1F21-2103	1/2" x 3/4"	30	120
205OT1F21-2124	3/4" x 3/4"	25	100
205OT1F21-2133	3/4" x 1"	16	64
205OT1F21-2150	1" x 1"	16	64
205OT1F21-2153	1" x 3/4"	16	64
205OT1F21-2176	1" x 1"1/4	10	40

cim® 205-206C21

T12 series - CIMALT - Ball valve - Brass CW617N DW - Brass square cap 20 × 20 with tamper proof device - Male/Swivel nut

CODE	SIZE		
205-206C21-2103	1/2" x 3/4"	30	120
205-206C21-2124	3/4" x 3/4"	30	120
205-206C21-2133	3/4" x 1"	16	64
205-206C21-2153	1" x 3/4"	16	64
205-206C21-2150	1" x 1"	16	64
205-206C21-2176	1" x 1"1/4	10	40
205-206C21-2183	1"1/4 × 1"	10	40
205-206C21-2184	1"1/4 × 1"1/2	8	32
205-206C21-2202	1 "1/2 × 2"	8	32
205-206C21-2231	2" x 2"	4	16

cim® 921F21

CIMALT - Aluminium butterfly handle with tamper proof device

CODE	SIZE		
921F21-1015	1/2"	50	200
921F21-1020	3/4"	50	200
921F21-1025	1"	50	200
921F21-1032	1"1/4	50	200
921F21-1040	1"1/2	50	200
921F21-1050	2"	50	200

cimALT

cim® 921OT1F21

CIMALT - Brass butterfly handle with tamper proof device

CODE	SIZE		
921OT1F21-1015	1/2"	50	200
921OT1F21-1020	3/4"	50	200
921OT1F21-1025	1"	50	200

cimALT

cim® 206C21

CIMALT - Square cap 20 × 20 with tamper proof device

CODE	SIZE		
206C21-1015	1/2"	40	160
206C21-1020	3/4"	20	80
206C21-1025	1"	15	60
206C21-1032	1"1/4	10	40
206C21-1040	1"1/2	6	24
206C21-1050	2"	3	12

cimALT

cim® 965

CIMALT - Key for tamper proof nut F21 series - Steel

CODE	SIZE		
965-1015	-	50	200

cimALT

Handles with tamper proof device T12 Series

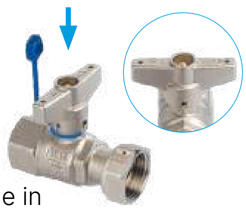
1. Close the valve and insert the safety device.

2. Screw the safety device until the stops.

3. Unscrew the device, extracting the tamper-proof sleeve.

4. Unthread the handle and turn it 180°.

5. Insert the handle in the lock position.



6. Insert the device with tamper-proof sleeve.

7. Screw the device until the sleeve is tight.

8. Unscrew and extract the safety device.

9. Replace the protective cap. The ball valve is now in the tamper-proof position.

cim® 204F20

T12 series - CIMALT - Ball valve - Brass CW617N DW - Aluminium butterfly handle with tamper proof heptagonal nut - Female/Swivel nut

CODE	SIZE		
204F20-2103	1/2" x 3/4"	30	120
204F20-2124	3/4" x 3/4"	30	120
204F20-2133	3/4" x 1"	16	64
204F20-2153	1" x 3/4"	16	64
204F20-2150	1" x 1"	16	64
204F20-2176	1" x 1"1/4	10	40
204F20-2183	1"1/4 × 1"	10	40
204F20-2184	1"1/4 × 1"1/2	8	32
204F20-2202	1"1/2 × 2"	8	32
204F20-2231	2" x 2"	4	16

cimALT

cim® 204OT1F20

T12 series - CIMALT - Ball valve - Brass CW617N DW - Brass butterfly handle with tamper proof heptagonal nut - Female/Swivel nut

CODE	SIZE		
204OT1F20-2103	1/2" x 3/4"	30	120
204OT1F20-2124	3/4" x 3/4"	30	120
204OT1F20-2133	3/4" x 1"	16	64
204OT1F20-2153	1" x 3/4"	16	64
204OT1F20-2150	1" x 1"	16	64
204OT1F20-2176	1" x 1"1/4	10	40

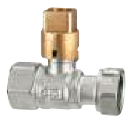
cimALT

cim® 204C20

T12 series - CIMALT - Ball valve - Brass CW617N DW - Brass cap square 20 × 20 with heptagonal tamper proof nut - Female/Swivel nut

CODE	SIZE		
204C20-2103	1/2" x 3/4"	30	120
204C20-2124	3/4" x 3/4"	30	120
204C20-2133	3/4" x 1"	16	64
204C20-2153	1" x 3/4"	16	64
204C20-2150	1" x 1"	16	64
204C20-2176	1" x 1"1/4	10	40
204C20-2183	1"1/4 × 1"	10	40
204C20-2184	1"1/4 × 1"1/2	8	32
204C20-2202	1"1/2 × 2"	8	32
204C20-2231	2" x 2"	4	16

cimALT

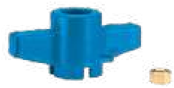


cim® 921F20

CIMALT - Aluminium butterfly handle with tamper proof heptagonal nut

CODE	SIZE		
921F20-0126	1/2" - 3/4" - 1"	50	200
921F20-0032	1"1/4	50	200
921F20-0127	1"1/2	50	200
921F20-0127	2"	50	200

cimALT



cim® 921OT1F20

CIMALT - Brass butterfly handle with tamper proof heptagonal nut

CODE	SIZE		
921OT1F20-0015	DN 15	50	200
921OT1F20-0020	DN 20	50	200
921OT1F20-0025	DN 25	50	200
921OT1F20-0032	DN 32	50	200
921OT1F20-0040	DN 40	50	200
921OT1F20-0050	DN 50	50	200

cimALT

cim® 206C20

CIMALT - Brass square cap 20 × 20 with heptagonal tamper proof nut

CODE	SIZE		
206C20-0015	DN 15	40	160
206C20-0020	DN 20	20	80
206C20-0025	DN 25	15	60
206C20-0032	DN 32	10	40
206C20-0040	DN 40	6	24
206C20-0050	DN 50	3	12

cimALT

cim® 960

CIMALT - Key for heptagonal tamper proof nut F20 series

CODE	SIZE		
960-8019	DN 15 - 20 - 25	100	400
960-8032	DN 32	100	400
960-8041	DN 40	100	400
960-8041	DN 50	100	400

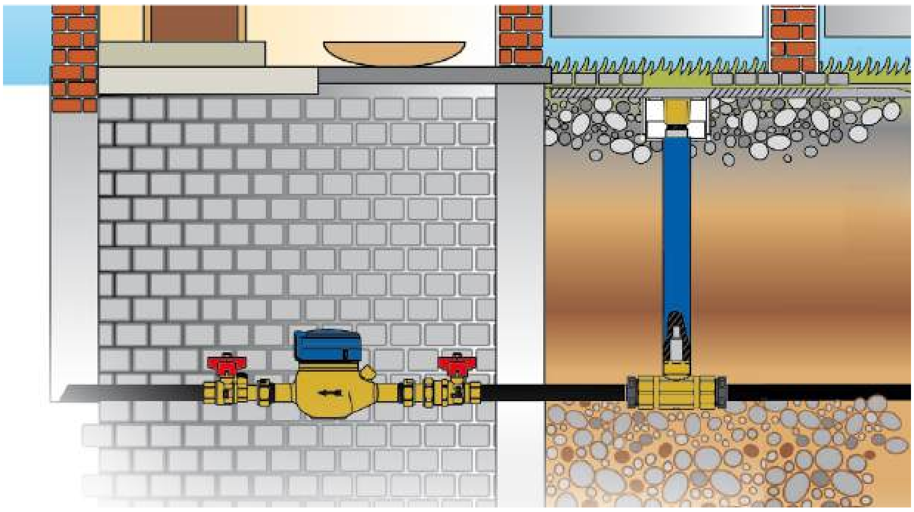
cimALT

Underground shut off ball valve
Stainless steel ball and stem - "CR" corrosion resistant brass body

The **CIMBERIO Cim 450** series underground shut-off ball valves have been specifically designed for installation on underground pipes. As a matter of fact, the special **stainless steel stem, the "CR" non dezincifiable brass body, and the stainless steel ball,** provide the strength, reliability and safety needed for this kind of valve.

The **Cim 452** and **Cim 453** valves are equipped with an anti-frost drain hole which operates automatically when the valve is closed.

The **Cim 450** series ball valves can be used also with polyethylene pipes, adding the **Cim 454** hostaform joint, which enables a quick pipe connection. A perfect valve-polyethylene pipe coupling needs the following steps: **1)** de-burr the inside and outside of the pipe, **2)** insert the pipe in the valve with joint **until it stops**, **3) fasten**, using a spanner, the hostaform **joint, until it fits tight against the base of the valve end**, **4)** Coupling is completed, assuring a quick, safe and lasting connection.
The **Cim 450** and **Cim 452** valves have parallel threads compliant with ISO 7/1 Rp in 1"1/4 and 1"1/2 sizes.With **Cim 454** joint, the valves can be connected to 32 mm and 40 mm (**Cim 451** and **Cim 453**) polyethylene pipes.



cim® 450

Underground ball valve - Brass CW625N DW - Stainless steel stem - Stainless steel ball

CODE	SIZE		
450-2180	1"1/4 × 1"1/4	6	24
450-2206	1"1/2 × 1"1/2	5	20

cim® 451

Underground ball valve - Brass CW625N DW - Stainless steel stem - Stainless steel ball - PE/PE

CODE	SIZE		
451-7060	32 × 32	6	24
451-7061	40 × 40	5	20

cim® 452

Underground ball valve - Brass CW625N DW - Stainless steel stem - With drain - Stainless steel ball

CODE	SIZE		
452-2180	1"1/4 × 1"1/4	6	24
452-2206	1"1/2 × 1"1/2	5	20

cim® 453

Underground ball valve - Brass CW625N DW - Stainless steel stem - With drain - Stainless steel ball - PE/PE

CODE	SIZE		
453-7060	32 × 32	6	24
453-7061	40 × 40	5	20

cimPLUS

Ball valves for either vertical or side pipeline tapping - Full bore in "CR" corrosion resistant brass

CIMPLUS is a simple, quick, safe and cost-effective solution to hot tap pressurized main pipelines in either direction with no need to cut off water delivery to line connected end users.

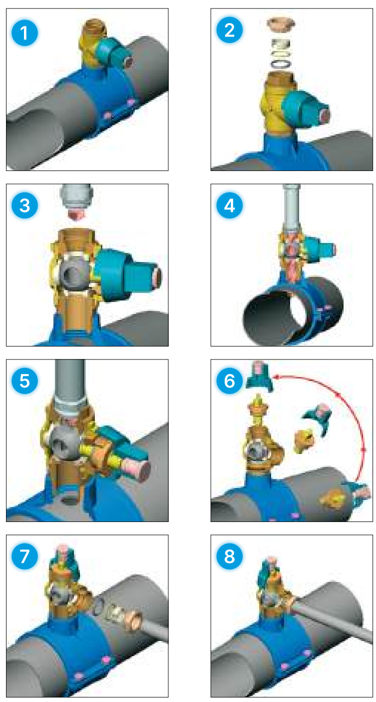
Operating cap, knurled nut and stem can be manually assembled, disassembled and the configuration changed for either vertical (at right angle) or side (straight through) use, notools are required. **CIMPLUS** combines in one valve the features of a tapping valve and an end-user control valve.

The square cap of **CIMPLUS** valves can be equipped with a "C40", GEOMET 321 coated, steel pin which enables the magnetic sensor of the survery equipment to be connected to the valve cap. If ordering this type of ball valve, you should add the wording "C40" to the article number.

For a quick, safe and easy installation and tapping of pressurized pipelines without cutting off water delivery to line-connected end-users

CIMPLUS combines the features of a tapping valve and an enduser control valve into one valve.

CIMPLUS allows the operating cap to be installed directly on the pipeline under the trap, thus making line sectioning, immediate locating of conduit path as well as positioning of each single tapping much easier.



1. Assemble the **CIMPLUS** valve on the tapping saddle in its final position.
2. Disassemble the PE pipe connection leaving the O-ring in place.
3. Open the **CIMPLUS** valve to smoothly insert the tapping tool.
4. Install the tapping tool on the **CIMPLUS** valve and tap the main pipe line.
5. Drive the tapping tool back into its original position and close the **CIMPLUS** valve.
   Disassemble the tapping tool.
   If your tapping tool is not fitted with an automatic flush, make sure it is flushed by manually operating the **CIMPLUS** valve.
6. Remove the square cap by unscrewing the nut and disassemble the knurled nut and the operating stem.
   Check that the O-ring is in place in the upper part of the valve.
   Assemble the operating stem with the knurled nut. Reassemble the square cap.
7. Assemble the PE pipe or iron pipe connection following this order: O-ring, brass ring, clamping ring and gland nut.
   Insert the PE pipe onto the iron pipe and screw the gland nut until it is fully tight.
   The **CIMPLUS** valve is now in the closed position.
8. Your tapping is completed. Set the valve open.

cim® 2150CRDX

CIMPLUS - Ball valve for either vertical or side pipeline tapping - Brass CW625N DW - Brass square cap 30 × 30 - ISO R262 threading - Right turn closure - Male/PE

CODE	SIZE		
2150CRDX-4006	PE 25 - M 40 × 3	8	32
2150CRDX-4007	PE 32 - M 40 × 3	6	24
2150CRDX-4008	PE 40 - M 55 × 3	3	12
2150CRDX-4005	PE 50 - M 55 × 3	1	4

cimPLUS

cim® 2150CRSX

CIMPLUS - Ball valve for either vertical or side pipeline tapping - Brass CW625N DW - Brass square cap 30 × 30 - ISO R262 threading - Left turn closure - Male/PE

CODE	SIZE		
2150CRSX-4006	PE 25 - M 40 × 3	8	32
2150CRSX-4007	PE 32 - M 40 × 3	6	24
2150CRSX-4008	PE 40 - M 55 × 3	3	12
2150CRSX-4005	PE 50 - M 55 × 3	2	8

cimPLUS

cim® 2151CRDX

CIMPLUS - Ball valve for either vertical or side pipeline tapping - Brass CW625N DW - Brass square cap 30 × 30 - ISO 228 threading - right turn closure - Male/PE

CODE	SIZE		
2151CRDX-3138	25 × 3/4"	8	32
2151CRDX-4027	25 × 1"	8	32
2151CRDX-3162	32 × 1"	6	24
2151CRDX-3171	32 × 1"1/4	6	24
2151CRDX-3187	40 × 1"1/4	3	12
2151CRDX-5040	40 × 1"1/2	3	12
2151CRDX-5084	50 × 1"1/2	1	4
2151CRDX-5049	50 × 2	2	8

cimPLUS

cim® 2151CRDXFE

CIMPLUS - Ball valve for either vertical or side pipeline tapping - Brass CW625N DW - Brass square cap 30 × 30 - ISO 228 threading - right turn closure - Male/Female

CODE	SIZE		
2151CRDXFE-2079	3/4" x 3/4"	12	48
2151CRDXFE-2153	1" x 3/4"	10	40
2151CRDXFE-2151	1" x 1"	6	24
2151CRDXFE-2177	1"1/4 × 1"	6	24
2151CRDXFE-2213	1"1/4 × 1"1/4	5	20
2151CRDXFE-2212	1"1/2× 1"1/4	3	12
2151CRDXFE-2230	2" x 1"1/2	1	4

cimPLUS

cim® 2151CRSX

CIMPLUS - Ball valve for either vertical or side pipeline tapping - Brass CW625N DW - Brass square cap 30 × 30 - ISO 228 threading - Left turn closure - Male/PE

CODE	SIZE		
2151CRSX-3128	25 × 3/4"	8	32
2151CRSX-4027	25 × 1"	8	32
2151CRSX-3162	32 × 1"	6	24
2151CRSX-3171	32 × 1"1/4	6	24
2151CRSX-3187	40 × 1"1/4	3	12
2151CRSX-5040	40 × 1"1/2	3	12
2151CRSX-5084	50 × 1"1/2	2	8
2151CRSX-5049	50 × 2	2	8

cimPLUS

cim® 2151CRSXFE

CIMPLUS - Ball valve for either vertical or side pipeline tapping - Brass CW625N DW - Brass square cap 30 × 30 - ISO 228 threading - Left turn closure - Male/Female

CODE	SIZE		
2151CRSXFE-2079	3/4" x 3/4"	12	48
2151CRSXFE-2153	1" x 3/4"	10	40
2151CRSXFE-2151	1" x 1"	6	24
2151CRSXFE-2177	1"1/4 × 1"	6	24
2151CRSXFE-2212	1"1/2 × 1"1/4	3	12
2151CRSXFE-2213	1"1/4 × 1"1/4	5	20
2151CRSXFE-2230	2" x 1"1/2	2	8

cimPLUS

cim® 2153CRDX

CIMPLUS - Straight ball valve for PE pipe - Brass CW625N DW - Brass square cap 30 × 30 - ISO R262 threading - Right turn closure - Male/PE

CODE	SIZE		
2153CRDX-4006	PE 25 - M 40 × 3	8	32
2153CRDX-4007	PE 32 - M 40 × 3	6	24
2153CRDX-4008	PE 32 - M 55 × 3	3	12
2153CRDX-4005	PE 40 - M 55 × 3	2	8
2153CRDX-4043	PE 50 - M 55 × 3	6	24

cimPLUS

cim® 2153CRSX

CIMPLUS - Straight ball valve for PE pipe - Brass CW625N DW - Brass square cap 30 × 30 - ISO R262 threading - Left turn closure - Male/PE

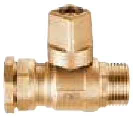
CODE	SIZE		
2153CRSX-4006	PE 25 - M 40 × 3	8	32
2153CRSX-4007	PE 32 - M 40 × 3	6	24
2153CRSX-4008	PE 32 - M 55 × 3	3	12
2153CRSX-4005	PE 40 - M 55 × 3	2	8
2153CRSX-4043	PE 50 - M 55 × 3	6	24

cimPLUS

cim® 2154CRDX

CIMPLUS - Straight ball valve for PE pipe - Brass CW625N DW - Brass square cap 30 × 30 - ISO 228 threading - Right turn closure - Male/PE

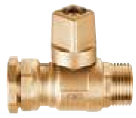
CODE	SIZE		
2154CRDX-3138	25 × 3/4"	15	60
2154CRDX-4027	25 × 1"	8	32
2154CRDX-3162	32 × 1"	6	24
2154CRDX-3171	32 × 1"1/4	6	24
2154CRDX-3187	40 × 1"1/4	3	12
2154CRDX-5040	40 × 1"1/2	3	12
2154CRDX-5084	50 × 1"1/2	2	8
2154CRDX-5049	50 × 2	2	8



cim® 2154CRSX

CIMPLUS - Straight ball valve for PE pipe - Brass CW625N DW - Brass square cap 30 × 30 - ISO 228 threading - Left turn closure

CODE	SIZE		
2154CRSX-3138	25 × 3/4"	15	60
2154CRSX-4027	25 × 1"	8	32
2154CRSX-3162	32 × 1"	6	24
2154CRSX-3171	32 × 1"1/4	6	24
2154CRSX-3187	40 × 1"1/4	3	12
2154CRSX-5040	40 × 1"1/2	3	12
2154CRSX-5084	50 × 1"1/2	2	8
2154CRSX-5049	50 × 2	2	8



cim® 2155CRDX

CIMPLUS - Straight ball valve for PE pipe - Brass CW625N DW - Brass cap square 30 × 30 - Right turn closure - PE/PE

CODE	SIZE		
2155CRDX-5097	20 × 20	15	60
2155CRDX-5098	25 × 25	10	40
2155CRDX-5099	32 × 32	6	24
2155CRDX-5100	40 × 40	4	16
2155CRDX-5109	50 × 50	2	8

cim® 2155CRSX

CIMPLUS - Straight ball valve for PE pipe - Brass CW625N DW - Brass square cap 30 × 30 - Left turn closure - PE/PE

CODE	SIZE		
2155CRSX-5097	20 × 20	8	32
2155CRSX-5098	25 × 25	10	40
2155CRSX-5099	32 × 32	6	24
2155CRSX-5100	40 × 40	4	16
2155CRSX-5109	50 × 50	2	8

cim® 250UFR

CIMDROP - Ball valve with inspectable UFR device - Brass CW617N DW - Brass butterfly handle - With bracket lock nut - Female/Swivel nut

CODE	SIZE		
250UFR-2115	1/2" x 3/4"	15	60
250UFR-2079	3/4" x 3/4"	10	40
250UFR-2133	3/4" x 1"	10	40
250UFR-2150	1" x 1"	10	40

cim® 251UFR

CIMDROP - Ball valve with inspectable UFR device - Brass CW617N DW - Brass butterfly handle - Extension fitting - With bracket lock nut - Female/Swivel nut

CODE	SIZE		
251UFR-2103	1/2" x 3/4"	10	40
251UFR-2079	3/4" x 3/4"	10	40
251UFR-2133	3/4" x 1"	15	60
251UFR-2150	1" x 1"	10	40

cim® 261UFR

CIMDROP - Ball valve with inspectable UFR device - Brass CW617N DW - Brass butterfly handle - With bracket lock nut - Female/Swivel nut

CODE	SIZE		
261UFR-2075	3/4" x 1/2"	10	40
261UFR-2079	3/4" x 3/4"	10	40
261UFR-2153	1" x 3/4"	10	40

cim® 751UFR

CIMDROP - Fitting with inspectable UFR device - Brass CW617N DW - With bracket lock nut - Male/Swivel nut

CODE	SIZE		
751UFR-2114	1/2" x 3/4"	25	100
751UFR-2138	3/4" x 3/4"	20	80
751UFR-2163	3/4" x 1"	20	80
751UFR-2161	1" x 1"	20	80

cim® 752UFR

CIMDROP - Fitting with inspectable UFR device - Brass CW617N DW - With bracket lock nut - Female/Swivel nut

CODE	SIZE		
752UFR-2114	3/4" x 1/2"	25	80
752UFR-2138	3/4" x 3/4"	20	80
752UFR-2160	1" x 3/4"	20	80

cim® 758UFR

CIMDROP - Fitting with inspectable UFR device - Brass CW617N DW - With bracket lock nut - 2 drain/test points - Female/Swivel nut

CODE	SIZE		
758UFR-2138	3/4" x 3/4"	20	80

cimDROP

cim® 250UFR

Billing of unmeasured flows and the reduction of apparent losses

Service Recommendations:

All domestic water meter are unable to accurately measure very low flow rates (10 l/h approx. for B class and 8 l/h approx. for C class).This inaccuracy increases with the life of the water meter. These microscopic losses may originate from:

- Leaky taps, faulty WC cisterns, small intakes or leaks, whether visible or not, in the system downstream from the water meter.
- Low flow rates at the end of the filling cycle of flush boxes, accumulation tanks and generally whenever float valves are present.
- Small losses in the system upstream from the water meter.

The impossibility of measuring these microscopic flows or their incorrect measurement accounts for lost revenue by the water company which can range from 5 to 10% of the total water supplied, depending on the type of water meter installed. The loss of profits resulting from inaccurate measurement can lead to very substantial economic losses because the unmeasured flow generally falls within the highest fee brackets.
The **CIMDROP** ball valves and fittings are equipped with a simple and smart device (UFR*) that is installed on the water-meter line next to the water-meter. It converts microscopic flows into flow pulses that can be measured by the water-meter.
The **CIMDROP** ball valves and fittings:

- Operate when the flow rate is below the water-meter's detection and measuring threshold;
- Adjust the water flow by continuously converting microscopic flows into pulsing flows that are large enough to be measured by the water meter;
- When the flow rate increases and reaches approximately 30 litres/h, the UFR* works like an ordinary check valve.

The validity of **CIMDROP** ball valves and fittings have been demonstrated through a series of tests carried out in the laboratories of several Italian and foreign water suppliers, which have confirmed that the installation of this device helps to increase the turnover of distribution networks by approximately 5-10%.

Advantages:

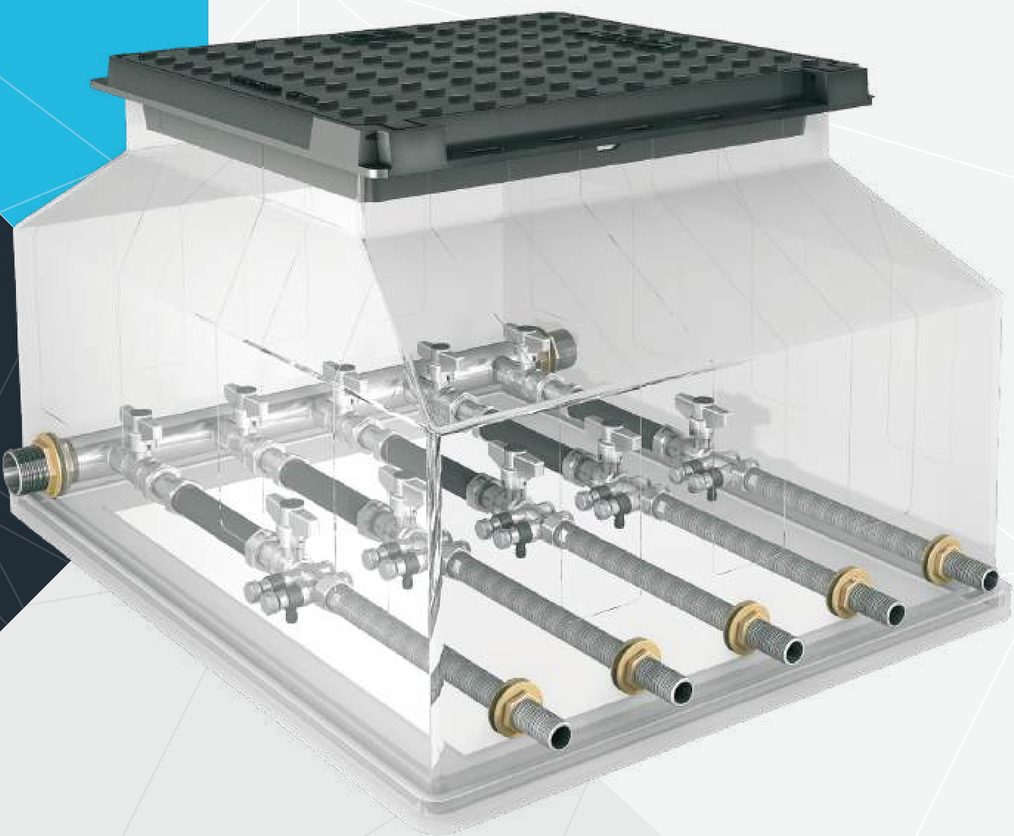
- Minimizes the amount of unmeasured flows to almost zero.
- Allows both apparent and real microscopic leaks to be measured and billed.
- Significantly increases the revenue of water supplies up to 10%.
- Works as an anti-contamination check valve preventing the entrance of contaminants recirculated from the water network.

The **CIMDROP** ball valve allows: **1)** installation and management costs to be reduced; **2)** leaks caused by the coupling of multiple parts to be reduced.

Besides having the same features as the UFR, the range of **CIMDROP** ball valves and fittings provides several interesting technical and practical advantages such as: **1)** The incorporated swivel nut facilitates the assembling of the fitting onto the water-meter male thread, providing costs savings over a standard water-meter fitting. **2)** The ability to inspect the fitting/ball valve: the fitting can be disassembled without the use of any special tools thus allowing easy access to the UFR cartridge, for maintenance and/or replacement in the case of water-meter replacement. **3)** Fastening of the fitting/ball valve to the water-meter bracket by means of a lock ring. **4)** Ball valves installed upstream of the water-meter are equipped with a special tamperproof handle, ensuring that it is locked in either open and/or closed position, so that it can only be unlocked with a special key.

Chapter 5

Modular systems for water-meter line connection



cimberio®

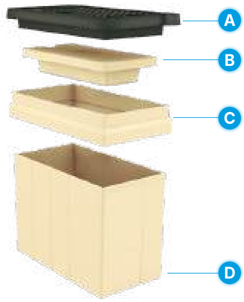
technological valve solutions

Examples of application
Water-meter boxes made of PUR

cim® KT24

Water meter box for line connection - PUR - For 1-2 lines - Cast iron C250 cover

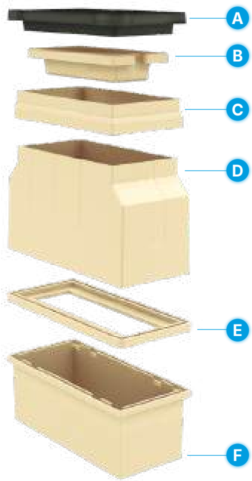
CODE	MATERIAL	SIZE
KTC01	Spheroidal cast iron trap Class C250 **(A)**	328 × 483 × 60/30
KTT01	Freeze protection PAD **(B)**	65
KTS01	PUR height adjuster **(C)**	50
KTS01	PUR height adjuster **(C)**	75
KTS01	PUR height adjuster **(C)**	125
KT24P	Water-meter box - Open/closed bottom **(D)**	220 × 420 × 330



cim® KT25

Water meter box for line connection - PUR - For 1-2 lines - Cast iron C250 cover

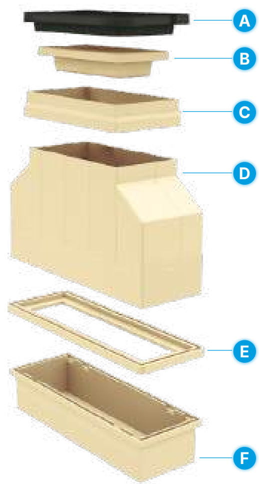
CODE	MATERIAL	SIZE
KTC01	Spheroidal cast iron trap Class C250 **(A)**	328 × 483 × 60/30
KTT01	Freeze protection PAD **(B)**	65
KTS01	PUR height adjuster **(C)**	50
KTS01	PUR height adjuster **(C)**	75
KTS01	PUR height adjuster **(C)**	125
KT25P	Water-meter box - Without bottom **(D)**	235 × 545 × 330
KTP25	Base plate - Open/closed bottom **(E)**	275 × 580 × 25/10
KTB25	Base - Open/closed bottom **(F)**	220 × 535 × 220/205



cim® KT27

Water meter box for line connection - PUR - For 1-2 lines - Cast iron C250 cover

CODE	MATERIAL	SIZE
KTC01	Spheroidal cast iron trap Class C250 **(A)**	328 × 483 × 60/30
KTT01	Freeze protection PAD **(B)**	65
KTS01	PUR height adjuster **(C)**	50
KTS01	PUR height adjuster **(C)**	75
KTS01	PUR height adjuster **(C)**	125
KT27P	Water-meter box - Without bottom **(D)**	225 × 685 × 400
KTP27	Base plate - Open/closed bottom **(E)**	260 × 725 × 25/10
KTB27	Base - Open/closed bottom **(F)**	215 × 675 × 150/135

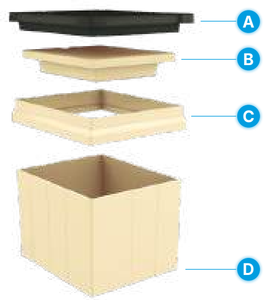


Examples of application
Water-meter boxes made of PUR

cim® KT34

Water meter box for line connection - PUR - For 3 lines - Cast iron C250 cover

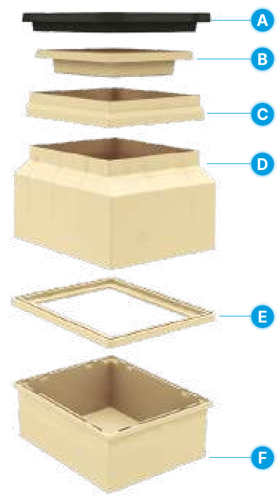
CODE	MATERIAL	SIZE
KTC01B	Spheroidal cast iron trap Class C250 **(A)**	468 × 483 × 60/30
KTT01B	Freeze protection PAD **(B)**	65
KTS01B	PUR height adjuster **(C)**	50
KTS01B	PUR height adjuster **(C)**	75
KTS01B	PUR height adjuster **(C)**	125
KT34P	Water-meter box - Open/closed bottom**(D)**	360 × 425 × 330



cim® KT45

Water meter box for line connection - PUR - For 4-5 lines - Cast iron C250 cover

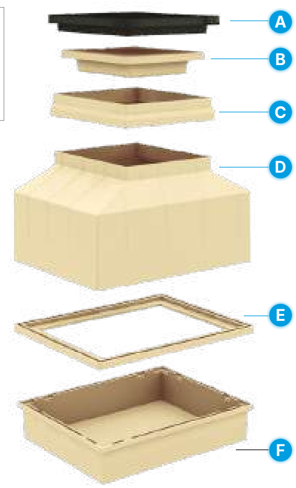
CODE	MATERIAL	SIZE
KTC01B	Spheroidal cast iron trap Class C250 **(A)**	468 × 483 × 60/30
KTT01B	Freeze protection PAD **(B)**	65
KTS01B	PUR height adjuster **(C)**	50
KTS01B	PUR height adjuster **(C)**	75
KTS01B	PUR height adjuster **(C)**	125
KT45P	Water-meter box - Without bottom **(D)**	235 × 545 × 330
KTP45	Base plate - Open/closed bottom**(E)**	275 × 580 × 25/10
KTB45	Base - Open/closed bottom **(F)**	220 × 535 × 220/205



cim® KT57

Water meter box for line connection - PUR - For 5-6 lines - Cast iron C250 cover

CODE	MATERIAL	SIZE
KTC01B	Spheroidal cast iron trap Class C250 **(A)**	468 × 483 × 60/30
KTT01B	Freeze protection PAD **(B)**	65
KTS01B	PUR height adjuster **(C)**	50
KTS01B	PUR height adjuster **(C)**	75
KTS01B	PUR height adjuster **(C)**	125
KT57P	Water-meter box - Without bottom **(D)**	540 × 690 × 400
KTP57	Base plate - Open/closed bottom **(E)**	580 × 730 × 25/10
KTB57	Base - Open/closed bottom **(F)**	525 × 675 × 150/135



Examples of application
Water-meter boxes made of PUR

cim® KT24-1

Water meter box for line connection - PUR - For 1 line - Inside measure mm 220 × 425 × 330 h

CODE	SIZE		
KT24-1-0000	220 × 425 × 330	-	1

cim® KT24-2

Water meter box for line connection - PUR - For 2 lines - Inside measure mm 220 × 425 × 330 h

CODE	SIZE		
KT24-2-0000	220 × 425 × 330	-	1

cim® KT25-1

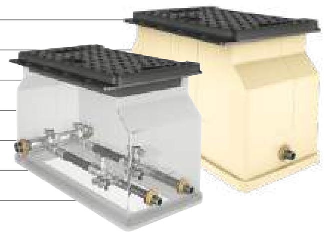
Water meter box for line connection - PUR - For 1 line - Inside measure mm 235 × 545 × 330 h

CODE	SIZE		
KT25-1-0000	235 × 545 × 330	-	1

cim® KT25-2

Water meter box for line connection - PUR - For 2 lines - Inside measure mm 235 × 545 × 330 h

CODE	SIZE		
KT25-2-0000	235 × 545 × 330	-	1



cim® KT27-1

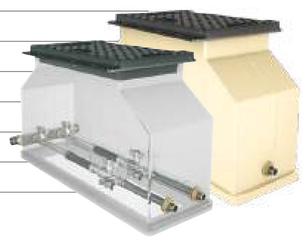
Water meter box for line connection - PUR - For 1 line - Inside measure mm 225 × 685 × 440 h

CODE	SIZE		
KT27-1-0000	225 × 685 × 400	-	1

cim® KT27-2

Water meter box for line connection - PUR - For 2 lines - Inside measure mm 225 × 685 × 440 h

CODE	SIZE		
KT27-2-0000	225 × 685 × 400	-	1



Examples of application
Water-meter boxes made of PUR

cim® KT34-3

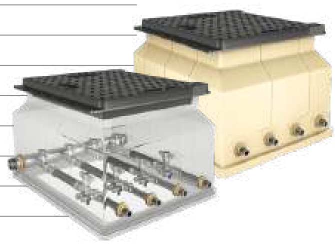
Water meter box for line connection - PUR - For 3 lines - Inside measure mm 360 × 425 × 330 h

CODE	SIZE		
KT34-3-0000	220×425×330	-	1

cim® KT45-4

Water meter box for line connection - PUR - For 4 lines - Inside measure mm 440 × 550 × 330 h

CODE	SIZE		
KT45-4-0000	440×550×330	-	1



cim® KT45-5

Water meter box for line connection - PUR - For 5 lines - Inside measure mm 440 × 550 × 330 h

CODE	SIZE		
KT45-5-0000	440×550×330	-	1

cim® KT57-5

Water meter box for line connection - PUR - For 5 lines - Inside measure mm 540 × 690 × 400 h

CODE	SIZE		
KT57-5-0000	540×690×400	-	1

cim® KT57-6

Water meter box for line connection - PUR - For 6 lines - Inside measure mm 540 × 690 × 400 h

CODE	SIZE		
KT57-6-0000	540×690×400	-	1

Examples of **Utility line**

cim® LC01

Cim 203OT1F20: T12 series - Ball valve - Brass CW617N DW - Brass butterfly handle with tamper proof heptagonal nut - With extension fitting - Female/Swivel nut

Cim 203OT1F20 Cim 211-2OT1S

Cim 211-2OT1S: T12 series - Ball valve - Brass CW617N DW - Brass butterfly handle - With non return valve and 4 drain/test points - Female/Swivel nut

cim® LC05

Cim 625OT1F20: T12 series - Ball valve - Brass CW617N DW - Brass butterfly handle with tamper proof heptagonal nut - With strainer - Female/Swivel nut

Cim 625OT1F20 Cim 495-2OT1S

Cim 495-2OT1S: T12 series - Ball valve - Brass CW617N DW - Brass butterfly handle - With non return valve, 4 drain/test points and extension fitting - Female/Swivel nut

cim® LC07

Cim 204-2061F20: T12 series - Ball valve - Brass CW617N DW - square brass cap 20 × 20 with tamper proof heptagonal nut - Female/Swivel nut

Cim 204-2061F20 Cim 495-2OT1S

Cim 495-2OT1S: T12 series - Ball valve - Brass CW617N DW - Brass butterfly handle - With non return valve, 4 drain/test points and extension fitting - Female/Swivel nut

cim® LC09

Cim 203-2061F20: T12 series - Ball valve - Brass CW617N DW - square brass cap 20 × 20 with tamper proof heptagonal nut - With extension fitting - Female/Swivel nut

Cim 203-2061F20 Cim 211-2OT1S

Cim 211-2OT1S: T12 series - Ball valve - Brass CW617N DW - Brass butterfly handle - With non return valve and 4 drain/test points - Female/Swivel nut

cim® LC24

Cim 251UFR: Ball valve with inspectable UFR - Brass CW617N DW - Brass butterfly with tamper proof heptagonal nut - Extension fitting and bracket lock nut - Female/Swivel nut

Cim 251UFR Cim 210OT1S

Cim 210OT1S: T14 series - Ball valve - Brass CW617N DW - Brass butterfly - With drain cock - Female/Swivel nut

cim® LC25

Cim 203T1F20 : T12 series - Ball valve - Brass CW617N DW - Brass butterfly handle with tamper proof heptagonal nut - With extension fitting - Female/Swivel nut

Cim 752UFR

Cim 203OT1F20 Cim 301-12OT1S

Cim 752UFR: Fitting with inspectable UFR device - Brass CW617N DW - With bracket lock nut - Male/Swivel nut

Cim 301-12OT1S: T12 series - Ball valve - Brass CW617N DW - Brass butterfly handle - Male/Female

cim® LC27

Cim 203-612PB: Ball valve - Brass CW617N DW - Nylon 6/6 speed reducer hand wheel sealable with plumb - With extension fitting - Female/Swivel nut

Cim 203-612PB Cim 211-2OT1S

Cim 211-2OT1S: T12 series - Ball valve - Brass CW617N DW - Brass butterfly handle - With non return valve and 4 drain/test points - Female/Swivel nut

cim® LC28

Cim 251-2UFR: Cim 251UFR - Ball valve with inspectable UFR - Brass CW617N DW - Brass butterfly with tamper proof heptagonal nut - Extension fitting, bracket lock nut and 2 drain/test points - Female/Swivel nut

Cim 251-2UFR Cim 211-2OT1S

Cim 211-2OT1S: T12 series - Ball valve - Brass CW617N DW - Brass butterfly handle - With non return valve and 4 drain/test points - Female/Swivel nut

Integrated solutions for the connection of **water utilitiesu**








WATER-METER BOXES, HEIGHT ADJUSTERS, BASE-PLATES AND BASE UNITS

Water-meter boxes, height adjusters, base-plates and base units are made of **BAYDUR®** 80IK28 CSP HFC-free Rigid Polyurethane (PUR). They are ivory coloured, are produced in controlled temperature aluminium moulds and have the following physical/mechanical properties:

- Density (1150 Kg/m3 according to DIN 53432)
- Flexural modulus of elasticity: (>1900 Mpa according to DIN 53457)
- Impact resistance: (39 kJ/m2 according to DIN 53432)
- High-temperature behaviour: (>110°C according to DIN 53432)
- Hardness: (77 shore D according to DIN 53505)

The choice of **BAYDUR®** for the production of meter boxes was made for the following reasons:

- Excellent resistance to mechanical stress thanks to its high density;
- Weathering resistance, even under extreme weather conditions;
- Resistant to microbial attack in under-soil applications;
- Excellent abrasion resistance compared to other commonly used materials
- Good surface hardness;
- Chemically inert when in contact with other organic and inorganic substances (including most common acids);
- Excellent electrical and thermal insulating properties;
- It can be disposed of as solid urban waste;
- Even if exposed to UV rays it does not undergo any deformation and, more importantly, its physical-mechanical properties do not degrade.

SPHEROIDAL CAST IRON COVER WITH HINGED COVER

Spheroidal cast iron trap class C250 according to UNI EN124. The frame, with 30 mm protrusion from the water-meter box, is equipped with supports for the freeze protection pad and longitudinal mounting fins for fastening to the installation surface. The frame has 2 predrilled holes so that the trap can be fastened to the water-meter box with special plastic pins in order to prevent the frame from tilting and/or lifting when the trap is opened. In fact, for any internal inspections and/or water-meter readings, the trap no longer needs to be removed from its place, instead it is lifted with a special hook and placed in the safe position at 30° (risk rate "zero" according to NIOSH calculation). The cover has a skid-proof drop shaped surface and the standard version is personalized with the wording "ACQUA"; the cover can be personalized with the water supplier's logo upon request.

FREEZE PROTECTION PAD

Indestructible and water-repellent freeze protection pad 65 mm high with excellent insulating properties, moulded in HFC free low density polyurethane in temperature controlled aluminium moulds with the proper shape and dimensions for being placed on the spheroidal cast iron cover frame.
It is designed to prevent cold air from moving inside on top of the water-meter box and has a convenient handle for easy removal and replacement during maintenance and water-meter reading operations.

HEIGHT ADJUSTER

Height adjuster made of PUR, 50-75-125 mm high, that can be stacked on top of the water-meter in as many elements as necessary, with the aim of:

- Standardizing the installation surface when water-meter boxes of different heights are coupled together;
- Increasing the water-meter box connection depth;
- Lowering the walkway surface by removing the height adjuster, without requiring work on the water-meter box.

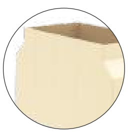
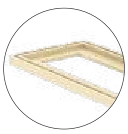
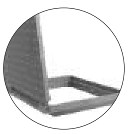
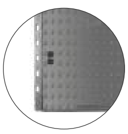
The height adjuster has 4 predrilled holes (2 on the upper part and 2 on the lower part) for fastening to the water-meter body and cast iron trap with special plastic pins, preventing the frame from tilting and/or lifting when the trap is opened.

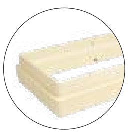
INTERNAL MANIFOLD

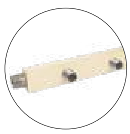
Manifold inside the water-meter box, with or without air release connection, made of AISI 304 1st choice TIG stainless steel. Stub pipes welded using the TIG process without material addition, none projecting inside the manifold; the special pipe/manifold coupling avoids contact between the water and the welds, preventing the release of any chrome.
The manifold has an external finish obtained with a micro-shot peening treatment, providing one homogeneous piece with low roughness, a satiny effect and no impurities, even along the welded areas, thus preventing any corrosion from beginning.

EXTERNAL MANIFOLD

Manifold outside the water-meter box made of AISI 304 1st choice TIG stainless steel.
Stub pipes welded using the TIG process without material addition, none projecting inside the manifold; the special pipe/manifold coupling avoids contact between the water and the welds, preventing the release of any chrome.
The manifold is finished with a PUR coating in order to obtain a flat surface to support the water-meter box.





Chapter 6

Motorized valves

cimberio®

technological **valve** solutions

NEW

cimPRO

↕ ***Fast Actuator Installation***

Applications:

The Cimberio electro-motor actuated ball valves are manufactured in accordance with EN ISO 9001:2000 and offer numerous and varied applications in pipeline systems, such as: energy supply, sanitary, cooling and heating installations, irrigation systems, etc.

Typical applications:

- ON/OFF zone control of systems
- Blocking element in HVAC system
- As shut off valve for DHW and other systems
- Switchover between heating and DHW
- Switchover between different heat sources
- Switchover between heat source and storage tank
- Switchover between different storage tanks or zones inside the tank

Quick, simple and tool free installation:

The Design of the actuator and valve was made with the focus on installer and installation process. Coupling of the actuator is completely tools free.
The actuator can be installed on the valve, by simple one hand press of the actuator onto the valve body. For disassembly, it is necessary to only pull the actuator off the body. The actuator is protected against self-removal from the valve with special locking solution.

LOW TORQUE **LOW NOISE**

Low torque and low noise design:

High precision valve design allows low torque operation. Dedicated design of actuator and valve enables low energy consumption during operation. With attention to details, we created also a solution that operates with very low noise, what is specially important where product in installed in or near living areas.

Permanent clutch with click system for manual operation:

In case of a need, the valve can be manually moved by simply pressing the clutch button. With that, the motor is switched off to totally reduce energy consumption. At the same time, with the big ergonomic knob, it is very easy to move the valve into the desired position. Additionally, it is clearly marked on the actuator body the actual valve position. In these case, it is always known in what position the valve is and what is its function.

With **TEA**® PLUS coating, free from hexavalent chromium

Features:

- Indication of the rotation direction and valve position
- Permanent clutch with click system for manual operation
- Compact design for fitting in tight spaces
- Low torque and low noise design
- Energy efficient
- Suitable for use in heating, cooling and DHW systems
- High durability (tested with 100.000 cycles)
- No damage to the actuator in the event of valve blockage
- Auxiliary switch
- The valves feature direct-coupled technology for quick connection of the valve body and actuator without tools
- Double O-ring blow-out proof stem ensures long life and consistent performance
- Every single actuator is tested on production line to assure high quality and long-lasting performance

---

CIMSTAR

Connection technical specifications:

The geared motor is connected to the ball valve by a hexagonal lock nut 3 . The hexagonal lock nut provides protection and prevents loosening of the ball valve's gland cap.
This system allows for maintenance, including the replacement or lubrication of the O-rings, ensuring maximum reliability, functionality, and safety of the valve. The maintenance operations are simple and can be carried out as follows:

A: Unscrew the M 6×15 screws

B: Remove the motor housing 11 and the position indicator 2.

C: Unscrew the hexagonal nut ch21 3

D: Remove the bracket 4

E: Unscrew the gland nut 5

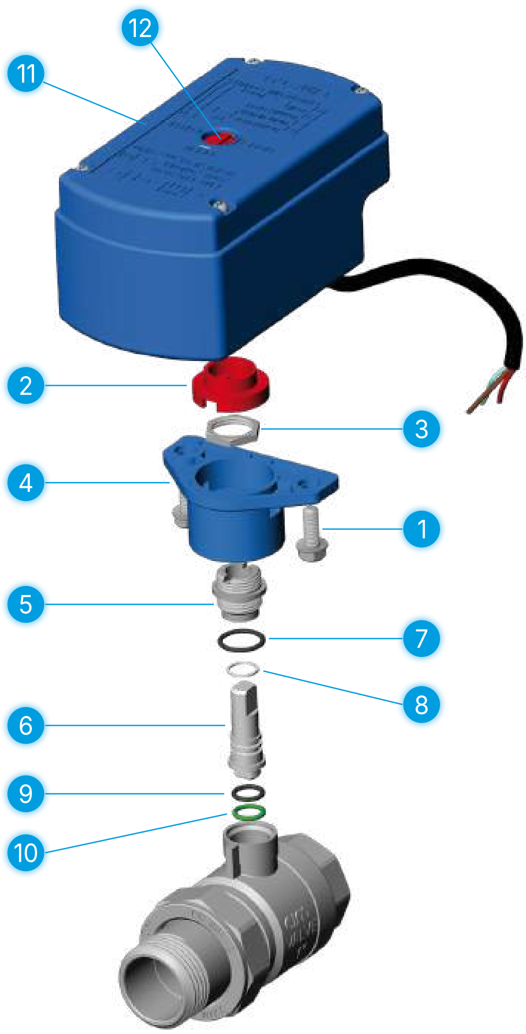
F: Remove the stem 6

G: O-ring Maintenance 7 8 9 10

List:
- 7 14 × 1,78 - E.P.D.M.(O-ring)
- 8 12 × 10 × 1 - P.T.F.E. (Gasket)
- 9 8,73 × 1,78 - E.P.D.M. (O-ring)
- 10 8,73 × 1,78 - Viton® (O-ring)

The red indicator 12 on the actuator cover shows the valve position (open/closed). To reassemble the valve, repeat the steps in reverse order. When the valve is open, the indicator is in the white position.

The shape and design of the P.T.F.E. ball gaskets allow smooth operation with very low torque. They ensure perfect rotation and secure sealing, providing unlimited reliability of the actuator, due to the minimal effort required during operation.



cim® 400RE NEW

CIMPRO - Ball valve - Full bore - Brass CW617N DW - TEA®PLUS coating - Electric actuator 230 V - With relay and manual control - Pipe union/Pipe union

CODE	SIZE		
400RE-T1020	3/4"	1	10
400RE-T1025	1"	1	10
400RE-T1032	1"1/4	1	10

cim® 402RE NEW

CIMPRO - Ball valve - Full bore - Brass CW617N DW - TEA®PLUS coating - Electric actuator 230 V - With relay and manual control

CODE	SIZE		
402RE-T1020	3/4"	1	10
402RE-T1025	1"	1	10
402RE-T1032	1"1/4	1	10

cim® 403RE NEW

CIMPRO - Ball valve - Full bore - Brass CW617N DW - TEA®PLUS coating - Electric actuator 230 V - With relay and manual control - Female/Pipe union

CODE	SIZE		
403RE-T1020	3/4"	1	10
403RE-T1025	1"	1	10
403RE-T1032	1"1/4	1	10

cim® 408RE NEW

CIMPRO - 3 way ball valve - L ports - Full bore - Brass CW617N DW - TEA®PLUS coating - Electric actuator 230 V - With relay and manual control - Pipe union/Pipe union/Pipe union

CODE	SIZE		
408RE-T1020	3/4"	1	10
408RE-T1025	1"	1	10
408RE-T1032	1"1/4	1	10

cim® 410RE NEW

CIMPRO - 3 way ball valve - L ports - Full bore - Brass CW617N DW - TEA®PLUS coating - Electric actuator 230 V - With relay and manual control

CODE	SIZE		
410RE-T1020	3/4"	1	10
410RE-T1025	1"	1	10
410RE-T1032	1"1/4	1	10

cim® EMV110-400 NEW

Electric actuator - 230 V - for Cim 400RE / 402RE / 403RE / 408RE / 410RE

CODE		
EMV110-400-0000	4	8

cim® 600RE

CIMSTAR - Ball valve - Full bore - Brass CW617N DW - Electric actuator 230 V - With relay - Pipe union/Pipe union

CODE	SIZE		
600RE-1020	3/4"	1	10
600RE-1025	1"	1	10
600RE-1032	1"1/4	1	10

cim® 600RE24

CIMSTAR - Ball valve - Full bore - Brass CW617N DW - Electric actuator 24 V - With relay - Pipe union/Pipe union

CODE	SIZE		
600RE24-1020	3/4"	1	10
600RE24-1025	1"	1	10
600RE24-1032	1"1/4	1	10

cim® 602RE

CIMSTAR - Ball valve - Full bore - Brass CW617N DW - Electric actuator 230 V - With relay

CODE	SIZE		
602RE-1020	3/4"	1	10
602RE-1025	1"	1	10
602RE-1032	1"1/4	1	10

cim® 602RE24

CIMSTAR - Ball valve - Full bore - Brass CW617N DW - Electric actuator 24 V - With relay

CODE	SIZE		
602RE24-1020	3/4"	1	10
602RE24-1025	1"	1	10
602RE24-1032	1"1/4	1	10

cim® 603RE

CIMSTAR - Ball valve - Full bore - Brass CW617N DW - Electric actuator 230 V - With relay - Female/Pipe union

CODE	SIZE		
603RE-1020	3/4"	1	10
603RE-1025	1"	1	10
603RE-1032	1"1/4	1	10

cim® 603RE24

CIMSTAR - Ball valve - Full bore - Brass CW617N DW - Electric actuator 24 V - With relay - Female/Pipe union

CODE	SIZE		
603RE24-1020	3/4"	1	10
603RE24-1025	1"	1	10
603RE24-1032	1"1/4	1	10

cim® 700

CIMFIRST - Ball valve - Full bore - Brass CW617N DW - Electric actuator 230 V - Pipe union/Pipe union

CODE	SIZE		
700-1020	3/4"	1	8
700-1025	1"	1	8

cim® 700RE

CIMFIRST - Ball valve - Full bore - Brass CW617N DW - Electric actuator 230 V - With relay - Pipe union/Pipe union

CODE	SIZE		
700RE-1020	3/4"	1	8
700RE-1025	1"	1	8

cim® 702

CIMFIRST - Ball valve - Full bore - Brass CW617N DW - Electric actuator 230 V

CODE	SIZE		
702-1015	1/2"	1	8
702-1020	3/4"	1	8
702-1025	1"	1	8
702-1032	1"1/4	1	8
702-1040	1"1/2	1	8
702-1050	2"	1	8

cim® 702RE

CIMFIRST - Ball valve - Full bore - Brass CW617N DW - Electric actuator 230 V - With relay

CODE	SIZE		
702RE-1015	1/2"	1	8
702RE-1020	3/4"	1	8
702RE-1025	1"	1	8

cim® 703

CIMFIRST - Ball valve - Full bore - Brass CW617N DW - Electric actuator 230 V - Female/Pipe union

CODE	SIZE		
703-1020	3/4"	1	8
703-1025	1"	1	8

CIMFIRST

cim® 703RE

CIMFIRST - Ball valve - Full bore - Brass CW617N DW - Electric actuator 230 V - With relay - Female/Pipe union

CODE	SIZE		
703RE-1020	3/4"	1	8
703RE-1025	1"	1	8

CIMFIRST

cim® 708

CIMFIRST - 3 way ball valve - L ports - Full bore - Brass CW617N DW - Electric actuator 230 V - Pipe union/Pipe union/Pipe union

CODE	SIZE		
708-1020	3/4"	1	8
708-1025	1"	1	8

CIMFIRST

cim® 708RE

CIMFIRST - 3 way ball valve - L ports - Full bore - Brass CW617N DW - Electric actuator 230 V - With relay - Pipe union/Pipe union/Pipe union

CODE	SIZE		
708RE-1020	3/4"	1	8
708RE-1025	1"	1	8

CIMFIRST

cim® 710

CIMFIRST - 3 way ball valve - L ports - Full bore - Brass CW617N DW - Electric actuator 230 V

CODE	SIZE		
710-1020	3/4"	1	8
710-1025	1"	1	8

CIMFIRST

cim® 710RE

CIMFIRST - 3 way ball valve - L ports - Full bore - Brass CW617N DW - Electric actuator 230 V - With relay

CODE	SIZE		
710RE-1020	3/4"	1	8
710RE-1025	1"	1	8

CIMFIRST

cim® 690

UNIMOD modulating ball valve - Full bore - Brass CW617N DW - Electric actuator - 24 V

CODE	SIZE		
690-1015	1/2"	1	4
690-1020	3/4"	1	4
690-1025	1"	1	4
690-1032	1"1/4	1	4
690-1040	1"1/2	1	4
690-1050	2"	1	4

cim® 680

3 way mixing valve - Brass CW617N DW - Electric actuator - 230 V

CODE	SIZE		
680-1015	1/2"	1	15
680-1020	3/4"	1	15
680-1025	1"	1	15
680-1032	1"1/4	1	15

cim® 681

4 way mixing valve - Brass CW617N DW - Electric actuator - 230 V

CODE	SIZE		
681-1015	1/2"	1	15
681-1020	3/4"	1	15
681-1025	1"	1	15
681-1032	1"1/4	1	15

cim® 683

3 way mixing valve - Brass CW617N DW - Lever handle Nylon 6/6

CODE	SIZE		
683-1015	1/2"	10	40
683-1020	3/4"	10	40
683-1025	1"	8	32
683-1032	1"1/4	8	32

cim® 684

4 way mixing valve - Brass CW617N DW - Lever handle Nylon 6/6

CODE	SIZE		
684-1015	1/2"	10	40
684-1020	3/4"	10	40
684-1025	1"	8	32
684-1032	1"1/4	8	32

cim® 685

Diverter valve - Full bore - Brass CW617N DW - Electric actuator

CODE	SIZE		
685-1015	1/2"	1	10
685-1020	3/4"	1	10
685-1025	1"	1	10
685-1032	1"1/4	1	10

cim® 860

T12 series - Ball valve - Full bore - Brass CW617N DW - ISO 5211 flange

CODE	SIZE		
860-1015	1/2"	40	160
860-1020	3/4"	25	100
860-1025	1"	16	64
860-1032	1"1/4	10	40
860-1040	1"1/2	6	24
860-1050	2"	4	16

cim® 861T

T12 series - 3 way ball valve - T ports - Full bore - Brass CW617N DW - ISO 5211 flange

CODE	SIZE		
861T-1008	1/4"	40	160
861T-1010	3/8"	40	160
861T-1015	1/2"	25	100
861T-1020	3/4"	16	64
861T-1025	1"	10	40
861T-1032	1"1/4	4	16
861T-1040	1"1/2	2	8
861T-1050	2"	2	8

cim® 861L

T12 series - 3 way ball valve - L ports - Full bore - Brass CW617N DW - ISO 5211 flange

CODE	SIZE		
861L-1008	1/4"	40	160
861L-1010	3/8"	40	160
861L-1015	1/2"	25	100
861L-1020	3/4"	16	64
861L-1025	1"	5	20
861L-1032	1"1/4	4	16
861L-1040	1"1/2	2	8
861L-1050	2"	2	8

cim® 690WA

T12 series - Ball valve - Brass CW617N DW - ISO 5211 flange - Characterized ball for Cim 690

CODE	SIZE		
690WA-1015	1/2"	30	120
690WA-1020	3/4"	25	100
690WA-1025	1"	16	64
690WA-1032	1"1/4	10	40
690WA-1040	1"1/2	8	32
690WA-1050	2"	6	24

cim® EMV110-400 NEW

Electric actuator - 230 V - for Cim 400RE / 402RE / 403RE / 408RE / 410RE

CODE		
EMV110-400-0000	4	8

cim® EMV110-130

Electric actuator - 230 V - For Cim 700 / 702 (DN 1/2" -1") / 704

CODE		
EMV110-130-0000	4	16

cim® EMV110-630

Electric actuator - 230 V - For Cim 700RE / 702RE / 703RE

CODE		
EMV110-630-0000	4	16

cim® EMV110-820

Electric actuator - 230 V - For Cim 702 (DN 1"1/2 -2")

CODE		
EMV110-820-0000	4	8

cim® EMV110-150

Electric actuator - 230 V - For Cim 708 / 710

CODE		
EMV110-150-0000	4	16

cim® EMV110-650

Electric actuator - 230 V - for Cim 708RE / 710 RE

CODE		
EMV110-650-0000	5	20

cim® EMV1103830

Electric actuator - 230 V - For Cim 600RE / 602RE / 603RE

CODE		
EMV1103830-0000	5	20

cim® EMV1103833

Electric actuator - 24 V - For Cim 600RE24 / 602RE24 / 603RE25

CODE		
EMV1103833-0000	5	20

cim® EMV120-540

Electric actuator - 230 V - For Cim 680 / 682

CODE		
EMV120-540-0000	1	16

cim® EMV1104380

Electric actuator - 230 V - For Cim 686

CODE		
EMV1104380-0000	1	9

cim® UM20737

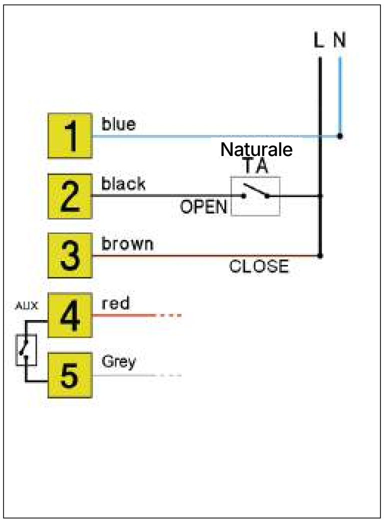
Electric actuator - 24 V - For Cim 691

CODE		
UM20737-0000	1	4

Examples of **electrical diagrams**

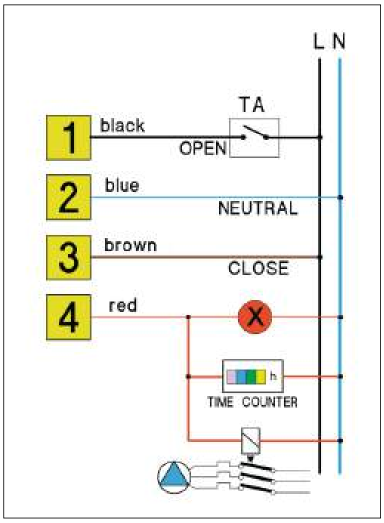
cim® EMV110-400

2-3 way valve with Microswitch



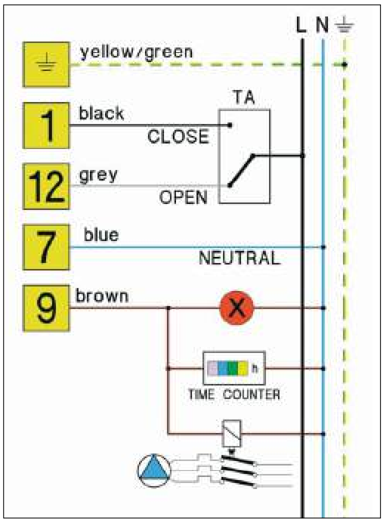
cim® EMV1103830

2-way valve with relay



cim® EMV110-130

2-way valve



Technical characteristics of
the electric actuator

	Cim 400RE Cim 402RE Cim 403RE Cim 408RE Cim 410RE 	Cim 700 Cim 702 Cim 703 	Cim 700RE Cim 702RE Cim 703RE 	Cim 7002 DN 1"1/4 Cim 7002 DN 1"1/2 Cim 7002 DN 2" 	Cim 708RE Cim 710RE 	Cim 700 Cim 702 Cim 703 	Cim 600RE Cim 602RE Cim 603RE 	Cim 600RE24 Cim 602RE24 Cim 603RE24 	Cim 608 Cim 681 	Cim 685 	Cim 690 
Geared motor	**EMV 110-400**	**EMV110-130**	**EMV110-630**	**EMV110-820**	**EMV110-150**	**EMV110-650**	**EMV1103830**	**EMV1103833**	**EMV120-540**	**EMV1104380**	**UM20737**
Voltage	230V-50Hz	230V-50Hz	230V-50Hz	230V-50Hz	230V-50Hz	230V-50Hz	230V-50Hz	230V-50Hz	230V-50Hz	230V-50Hz	24V-50Hz
Rotation angle	90°	90°	90°	90°	180°	90°	90°	90°	90°	90°	90°
Opening/closing time	15 sec.	30 sec.	30 sec.	120 sec.	60 sec.	60 sec.	60 sec.	30 sec.	30 sec.	30 sec.	30 sec.
Protection degree of the motor	II	I	I	I	I	I	II	II	II	II	II
Protection degree of the actuator	IP 54	IP 55	IP 55	IP 55	IP 55	IP 55	IP 54	IP 54	IP 44	IP 44	IP 44
Operating temperature	0°C min +50°C max	0°C min +55°C max	0°C min +55°C max	0°C min +55°C max	0°C min +55°C max	0°C min +55°C max	0°C min +55°C max	0°C min +55°C max	10°C min +60°C max	0°C min +50°C max	0°C min +50°C max
Motor box colour	Grey/Black	Grey/Black	Black	Grey/Black	Grey/Black	Grey/Grey/ Black	Blue	Blue	Blue	Blue	Blue
Starting torque	8 Nm max	8 Nm max	8 Nm max	30 Nm max	8 Nm max	8 Nm max	8 Nm max	8 Nm max	8 Nm max	8 Nm max	12 Nm max
Operating torque	6 Nm	6 Nm	6 Nm	25 Nm	6 Nm	6 Nm	3 Nm	3 Nm	3 Nm	3 Nm	3 Nm
Connecting cable (total length)	500 mm	500 mm	500 mm	1500 mm	1500 mm	1500 mm	300 mm	300 mm	2000 mm	1000 mm	1500 mm
Max differential pressure	16 bar	16 bar	16 bar	10 bar	16 bar	16 bar	16 bar	16 bar	–	–	–
(Output) Contacts	2(1) A/230V 50Hz	5(1) A/230V 50Hz	5(1) A/230V 50Hz	5(1) A/230V 50Hz	5(1) A/230V 50Hz	5(1) A/230V 50Hz	4(1) A/230V 50Hz	4(1) A/230V 50Hz	5(1) A/230V 50Hz	5(1) A/230V 50Hz	4 A/24V 50Hz
Position indicators	Yes	Yes Red: Open	Yes Red: Open	Yes Red: Open	Yes Red: Open	Yes Red: Open	Yes	Yes	Yes	Yes	Yes
Manual operation	Yes	No	No	Yes	No	No	No	No	Yes	Yes	Yes
Suitable for	2 - 3 way valve Diverting applications On/Off	2 way valve Open/Close On/Off	2 way valve Open/Close On/Off	2 way valve Open/Close On/Off	3 way valve Diverting applications –	3 way valve Diverting applications –	2 way valve Open/Close On/Off	2 way valve Open/Close On/Off	mixing valve 3-4 way –	3 way valve Diverting applications –	2 way valve Modulanting applications –
Relay	Yes	No	Yes	No	No	Yes	Yes	Yes	Yes	No	Yes

Chapter 7

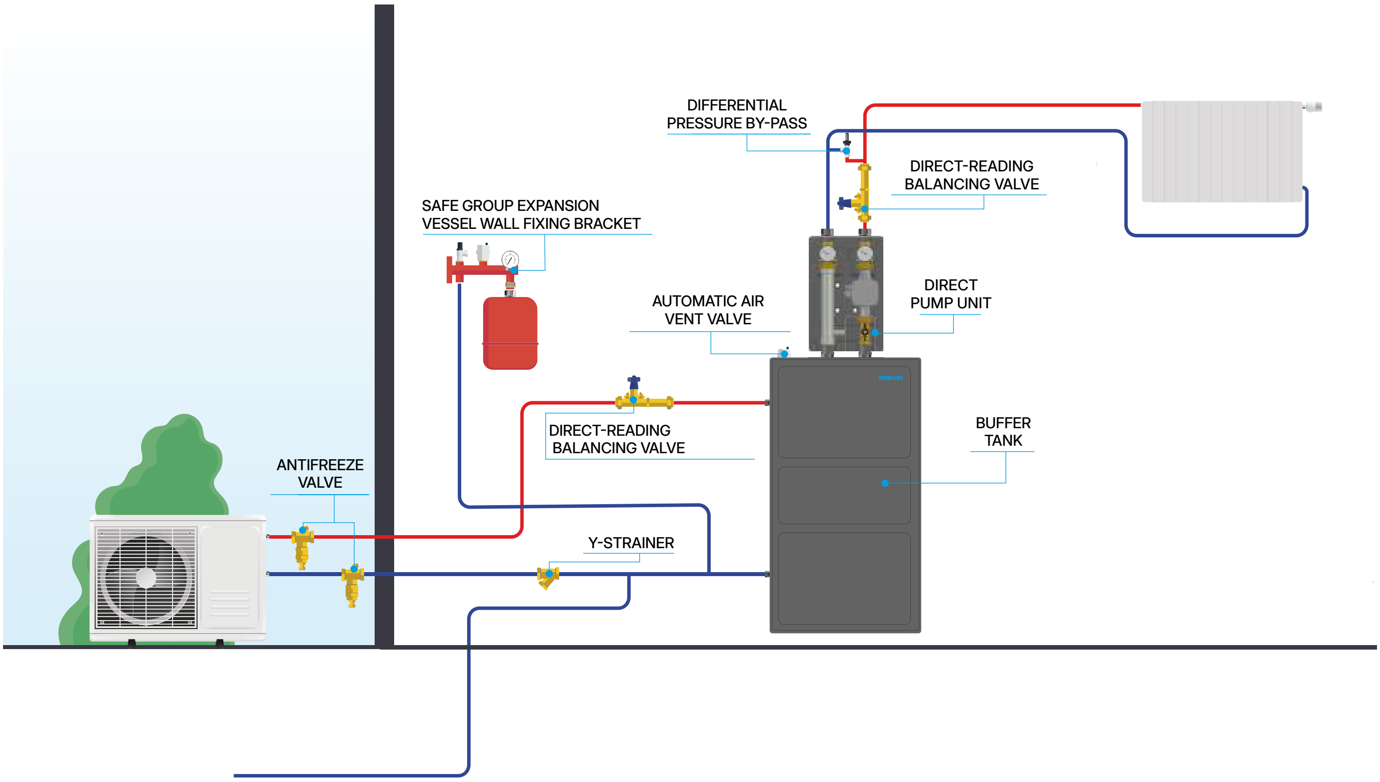
Thermal power plant components

cimberio®

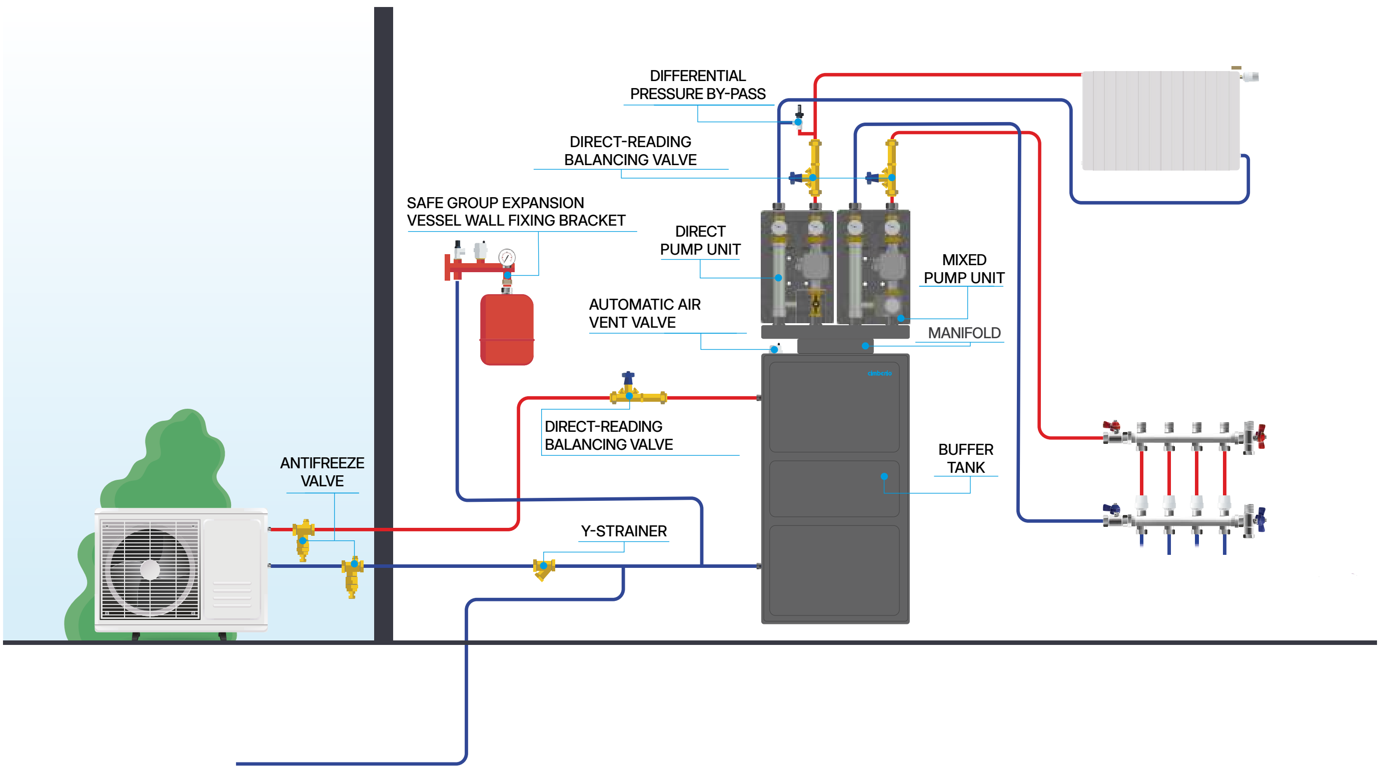
technological **valve** solutions

Example of domestic system installation with a **heat pump**

Example kit buffer tank + direct pump unit



Example kit buffer tank + direct pump unit and mixed pump unit



Main features:

Built in compliance with the management requirements of the EN ISO 9001 standard. 100% tested according to the EN 12266-1 standard. Pre-assembled module for easy and quick hydraulic connections, ensuring maximum flexibility for the installation of heat generators and heat pumps. Ability to create direct circuits for both heating and cooling. Available with or without a circulator. Valve body made of brass alloy compliant with the EN 12165-CW617N standard, piping in Fe 360 steel, insulation in PPE.

Maximum operating pressure: 10 bars
Maximum operating temperature: 100 °C
Maximum thermal power direct pump unit: 50 kW - ΔT=20 K
Maximum thermal power mixed pump unit: 35 kW - ΔT=15 K

Check valve
It is integrated into the ball shut-off valve equipped with the blue thermometer, on the return of the circuit. The valve can be deactivated by turning the handle 45° clockwise.

Reversibility from right to left
The entire range of CIM 2036 hydraulic modules is reversible. The supply can be mounted on either the right or the left side of the boiler or heat pump, allowing for the best suited connection.

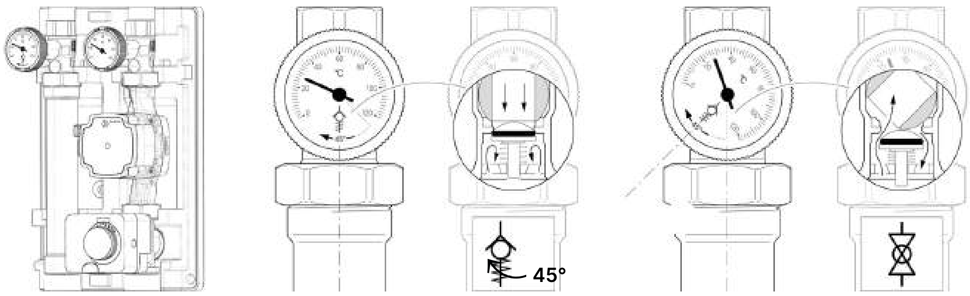
By-pass integrated in mixing valve
The CIM 2036 mixed hydraulic module is equipped with an integrated bypass in the body of the mixing valve.
It is accessible through an adjustable screw with multiple positions between fully open and fully closed.

Using the bypass allows the recirculation of a portion of the cold return fluid from the hydraulic circuit to the secondary circuit. It helps to prevent potential high-temperature issues in radiant heating-cooling systems.

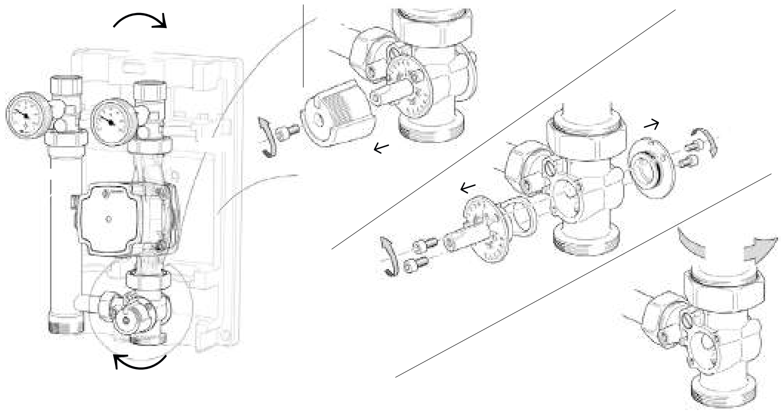
Check valve:

Integrated check valve

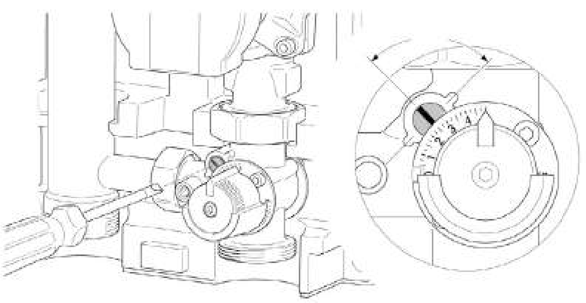
Only on the return flow, ball valve with blue thermometer

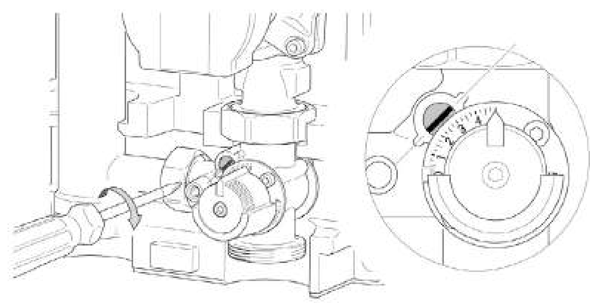


Reversibility from right to left:



By-pass integrated in mixing valve:


By-pass closed


By-pass fully open

cim® 2035 A

Direct pump unit - Without circulator

CODE	SIZE		
2035-8025	DN 25	-	1
2035-8032	DN 32	-	1

cim® 2035 B

Direct pump unit - With circulator

CODE	SIZE		
2035-8027	DN 25	-	1
2035-8035	DN 32	-	1

cim® 2036 A

Pump unit - Without circulator - Without servomotor

CODE	SIZE		
2036-8025	DN 25	-	1
2036-8032	DN 32	-	1

cim® 2036 B

Pump unit - With circulator - Without servomotor

CODE	SIZE		
2036-8027	DN 25	-	1
2036-8035	DN 32	-	1

cim® 2036 C

Pump unit - Without circulator - With servomotor

CODE	SIZE		
2036-8028	DN 25	-	1
2036-8033	DN 32	-	1
2036-8030	DN 25	-	1
2036-8037	DN 32	-	1

cim® 2036 D

Pump unit - With circulator - With servomotor

CODE	SIZE		
2036-8029	DN 25	-	1
2036-8036	DN 32	-	1
2036-8031	DN 25	-	1
2036-8034	DN 32	-	1

cim® 2060

Manifold - Steel S235

CODE	SIZE		
2060-2502	DN 25	-	1
2060-2503	DN 25	-	1
2060-2504	DN 25	-	1
2060-2505	DN 25	-	1
2060-3202	DN 32	-	1
2060-3203	DN 32	-	1
2060-3204	DN 32	-	1
2060-3205	DN 32	-	1

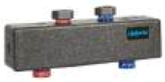
cim® 2070

Manifold and integrated hydraulic separator - Steel S235

CODE	SIZE		
2070-2502	DN 25	-	1
2070-2503	DN 25	-	1

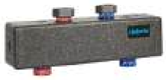
cim® 2061
Hydraulic separator DN 25 - Steel S235

CODE	SIZE		
2061-0000	DN 25	-	1



cim® 2062
Hydraulic separator DN 32 - Steel S235

CODE	SIZE		
2062-0000	DN 32	-	1



cim® 2080
Buffer tank 50 Lt. - Steel S235

CODE	SIZE		
2080-2550	DN 25	-	1

cim® 138
ANTIFROST ball valve - Brass CW617N DW

CODE	SIZE		
138-2149	1" x 3/4"	1	15
138-2179	1"1/4 × 1"	1	15
138-2205	1"1/2 ×1"1/4	1	15
138-2230	2" x 1"1/2	1	10

cim® 138C
ANTIFROST ball valve - Brass CW617N DW - 1"M x Swivel nut 1" / Male/Swivel nut

CODE	SIZE		
138C-2154	1" x 1"	1	15

cim® 138RB
ANTIFROST ball valve - Brass CW617N DW - Press fittings for copper pipe - Compression/Compression

CODE	SIZE		
138RB-5028	28 × 28	1	15

cim® 8000
Elastic joint - EPDM and galvanized malleable cast iron union screw - Threaded

CODE	SIZE		
8000-1015	1/2"	-	-
8000-1020	3/4"	-	-
8000-1025	1"	-	-
8000-1032	1"1/4	-	-
8000-1040	1"1/2	-	-
8000-1050	2"	-	-
8000-1070	2"1/2	-	-
8000-1080	3"	-	-

cim® 8000W
Vibration damping rubber expansion joint - EPDM and galvanized carbon steel - PN 10

CODE	SIZE		
8000W-8020	DN 20	-	-
8000W-8025	DN 25	-	-
8000W-8032	DN 32	-	-
8000W-8040	DN 40	-	-
8000W-8050	DN 50	-	-
8000W-8065	DN 65	-	-
8000W-8080	DN 80	-	-
8000W-8100	DN 100	-	-
8000W-8125	DN 125	-	-
8000W-8150	DN 150	-	-

cim® 8000F
Elastic joint - EPDM and galvanized carbon steel flange PN 16

CODE	SIZE		
8000F-8032	DN 32	-	-
8000F-8040	DN 40	-	-
8000F-8050	DN 50	-	-
8000F-8065	DN 65	-	-
8000F-8080	DN 80	-	-
8000F-8100	DN 100	-	-
8000F-8125	DN 125	-	-
8000F-8150	DN 150	-	-
8000F-8200	DN 200	-	-
8000F-8250	DN 250	-	-
8000F-8300	DN 300	-	-
8000F-8350	DN 350	-	-
8000F-8400	DN 400	-	-
8000F-8450	DN 450	-	-
8000F-8500	DN 500	-	-
8000F-8600	DN 600	-	-

cim® 3296
Backflow preventer - Cast iron GJL250 - Flanged PN 10

CODE	SIZE		
3296-8065	DN 65	-	-
3296-8080	DN 80	-	-
3296-8100	DN 100	-	-
3296-8150	DN 150	-	-

cim® 3297
Backflow preventer - Brass CW602N - Threaded

CODE	SIZE		
3297-1015	1/2"	-	-
3297-1020	3/4"	-	-
3297-1025	1"	-	-
3297-1032	1"1/4	-	-
3297-1040	1"1/2	-	-
3297-1050	2"	-	-

cim® 1110
Automatic filling unit - Brass CW617N DW

CODE	SIZE		
1110-1015	1/2"	10	40

cim® 1120
Automatic filling unit with manometer - Brass CW617N DW

CODE	SIZE		
1120-1015	1/2"	10	40

cim® 768
Differential by pass valve - Brass CW617N DW - PN 4

CODE	SIZE		
768-2128	3/4" x 3/4"	8	32

cim® 74ACRNL5

Oblique strainer with magnet - Brass CW511L - PN 20 - Filter mesh Ø 0,65 mm

CODE	SIZE		
74ACRNL5-1015	1/2"	40	160
74ACRNL5-1020	3/4"	25	100
74ACRNL5-1025	1"	16	64
74ACRNL5-1032	1"1/4	8	32
74ACRNL5-1040	1"1/2	6	24
74ACRNL5-1050	2"	2	8

cim® 74AOT

Oblique strainer - Brass CW617N DW - PN 20 - Filter mesh Ø 0,65 mm

CODE	SIZE		
74AOT-1015	1/2"	50	200
74AOT-1020	3/4"	30	120
74AOT-1025	1"	20	80
74AOT-1032	1"1/4	12	48
74AOT-1040	1"1/2	10	40
74AOT-1050	2"	4	16

cim® 74AOT5

Oblique strainer with magnet - Brass CW617N DW - PN 20 - Filter mesh Ø 0,65 mm

CODE	SIZE		
74AOT5-1015	1/2"	50	200
74AOT5-1020	3/4"	30	120
74AOT5-1025	1"	16	64
74AOT5-1032	1"1/4	10	40
74AOT5-1040	1"1/2	8	32
74AOT5-1050	2"	4	16

cim® 74ACRNL

Oblique strainer - Brass CW511L - PN 20 - Filter mesh Ø 0,65 mm

CODE	SIZE		
74ACRNL-1010	3/8"	50	200
74ACRNL-1015	1/2"	50	200
74ACRNL-1020	3/4"	30	120
74ACRNL-1025	1"	20	80
74ACRNL-1032	1"1/4	12	48
74ACRNL-1040	1"1/2	10	40
74ACRNL-1050	2"	4	16
74ACRNL-1070	2"1/2	4	8
74ACRNL-1080	3"	1	6
74ACRNL-1100	4"	1	2

cim® 150VIC

Automatic air vent - Brass CW617N DW - PN 10

CODE	SIZE		
150VIC-1015	15	10	100
150VIC-1020	15	10	100
150VIC-1025	15	10	100

cim® 155

Automatic air vent - Brass CW617N DW - PN10 - Nickel plated

CODE	SIZE		
155-1015	1/2"	15	60
155-1020	3/4"	15	60
155-1025	1"	15	60

cim® 2020 A

Valve kit for DN 25 circulator - Brass CW617N DW - PN 32 - Aluminium butterfly handle - With circulator DN 25 length 180

CODE	SIZE		
2020-8027	1"	-	1

cim® 2020 B

Valve kit for DN 25 circulator - Brass CW617N DW - PN 32 - Aluminium butterfly handle

CODE	SIZE		
2020-8025	1"	-	1

cim® 2021 A

Valve kit for DN 25 circulator - Brass CW617N DW - PN 32 - Aluminium butterfly handle - With non return valve - With circulator DN 25 length 180

CODE	SIZE		
2021-8027	1"	-	1

cim® 2021 B

Valve kit for DN 25 circulator - Brass CW617N DW - PN 32 - Aluminium butterfly handle - With non return valve

CODE	SIZE		
2021-8025	1"	-	1

cim® 2022 A

Valve kit for DN 25 circulator - Brass CW617N DW - PN 32 - Aluminium butterfly handle - With strainer - With circulator DN 25 length 180

CODE	SIZE		
2022-8027	1"	-	1

cim® 2022 B

Valve kit for DN 25 circulator - Brass CW617N DW - PN 32 - Aluminium butterfly handle - With strainer

CODE	SIZE		
2022-8025	1"	-	1

cim® 2023 A

Valve kit for DN 25 circulator - Brass CW617N DW - PN 32 - Aluminium butterfly handle - With strainer - With non return valve - With circulator DN 25 length 180

CODE	SIZE		
2023-8027	1"	-	1

cim® 2023 B

Valve kit for DN 25 circulator - Brass CW617N DW - PN 32 - Aluminium butterfly handle - With strainer - With non return valve

CODE	SIZE		
2023-8025	1"	-	1

cim® A2020 A

Valve kit for DN 25 circulator - Brass CW617N DW - PN 32 - Nylon 6/6 insulated handle - With circulator DN 25 length 180

CODE	SIZE		
A2020-8027	1"	-	1

cim® A2020 B

Valve kit for DN 25 circulator - Brass CW617N DW - PN 32 - Nylon 6/6 insulated handle

CODE	SIZE		
A2020-8025	1"	-	1

cim® A2021 A

Valve kit for DN 25 circulator - Brass CW617N DW - PN 32 - Nylon 6/6 insulated handle - With non return valve - With circulator DN 25 length 180

CODE	SIZE		
A2021-8027	1"	-	1

cim® A2021 B

Valve kit for DN 25 circulator - Brass CW617N DW - PN 32 - Nylon 6/6 insulated handle - With non return valve

CODE	SIZE		
A2021-8025	1"	-	1

cim® A2022 A

Valve kit for DN 25 circulator - Brass CW617N DW - PN 32 - Nylon 6/6 insulated handle - With strainer - With circulator DN 25 length 180

CODE	SIZE		
A2022-8027	1"	-	1

cim® A2022 B

Valve kit for DN 25 circulator - Brass CW617N DW - PN 32 - Nylon 6/6 insulated handle - With strainer

CODE	SIZE		
A2022-8025	1"	-	1

cim® A2023 A

Valve kit for DN 25 circulator - Brass CW617N DW - PN 32 - Nylon 6/6 insulated handle - With strainer - With non return valve - With circulator DN 25 length 180

CODE	SIZE		
A2023-8027	1"	-	1

cim® A2023 B

Valve kit for DN 25 circulator - Brass CW617N DW - PN 32 - Nylon 6/6 insulated handle - With strainer - With non return valve

CODE	SIZE		
A2023-8025	1"	-	1

cim® T2020 A

Valve kit for DN 25 circulator - Brass CW617N DW - PN 32 - Nylon 6/6 insulated handle - With temperature gauge - With circulator DN 25 length 180

CODE	SIZE		
T2020-8027	1"	-	1

cim® T2020 B

Valve kit for DN 25 circulator - Brass CW617N DW - PN 32 - Nylon 6/6 insulated handle - With temperature gauge

CODE	SIZE		
T2020-8025	1"	-	1

cim® T2021 A

Valve kit for DN 25 circulator - Brass CW617N DW - PN 32 - Nylon 6/6 insulated handle - With temperature gauge - With non return valve - With circulator DN 25 length 180

CODE	SIZE		
T2021-8027	1"	-	1

cim® T2021 B

Valve kit for DN 25 circulator - Brass CW617N DW - PN 32 - Nylon 6/6 insulated handle - With temperature gauge - With non return valve

CODE	SIZE		
T2021-8025	1"	-	1

cim® T2022 A

Valve kit for DN 25 circulator - Brass CW617N DW - PN 32 - Nylon 6/6 insulated handle - With temperature gauge - With filter - With circulator DN 25 length 180

CODE	SIZE		
T2022-8027	1"	-	1

cim® T2022 B

Valve kit for DN 25 circulator - Brass CW617N DW - PN 32 - Nylon 6/6 insulated handle - With temperature gauge - With filter

CODE	SIZE		
T2022-8025	1"	-	1

cim® T2023 A

Valve kit for DN 25 circulator - Brass CW617N DW - PN 32 - Nylon 6/6 insulated handle - With temperature gauge - With filter - With non return valve - With circulator DN 25 length 180

CODE	SIZE		
T2023-8027	1"	-	1

cim® T2023 B

Valve kit for DN 25 circulator - Brass CW617N DW - PN 32 - Nylon 6/6 insulated handle - With temperature gauge - With filter - With non return valve

CODE	SIZE		
T2023-8025	1"	-	1

Chapter 8

Ball bibcocks e mini ball valves

cimberio®

technological **valve** solutions

NEW

cim® 34NERO

The ball-type dispensing tap was designed, manufactured, and patented in 1978 by **Cimberio**: a product that combines the advantages of a ball valve with those of a dispensing tap.

Today, this product evolves with the introduction of the **Cim 34NERO**, designed with particular attention to the green world. The new model is coated with **TEA® PLUS**, an innovative technology that ensures more resistant and durable surfaces, helping to reduce environmental impact without compromising performance.

The product is completed by a UV-resistant handle made of Nylon 6/6 and a quick coupling hose connector made of 90% recycled polypropylene.

Self-locking type
A2 stainless steel nut

Nylon 6/6 lever handle
UV-resistant

Ball with **TEA® PLUS** coating

Body with **TEA® PLUS** coating,
free from hexavalent chromium

Compliant with the European Directive
(EU) 2020/2184 - 16 December 2020
on the quality of water intended
for human consumption

Approved by UBA Positive List 4MS

Certified to NSF 61

Compliant to EN 16058 and EN 15664-1

Chrome 6 Free

Quick coupling hose connector
made of 90% recycled
polypropylene (PP)

cim® 34

RUBISTAR - Ball bibcock with hose union - Brass CW617N DW - PN 20 - Aluminium lever handle

CODE	SIZE		
34-1010	3/8"	20	80
34-1015	1/2"	20	80
34-1020	3/4"	15	60
34-1025	1"	8	32

cim® 34NERO

RUBISTAR - Ball bibcock with hose union - Brass CW617N DW - TEA®PLUS coating - PN 20 - Nylon 6/6 lever handle UV resistant - Quick connect PP hose union

CODE	SIZE		
34NERO-T1015	1/2"	25	100

cim® 34UV

RUBISTAR - Ball bibcock with hose union - Brass CW617N DW - PN 20 - Nylon 6/6 lever handle UV resistant

CODE	SIZE		
34UV-1010	3/8"	20	80
34UV-1015	1/2"	20	80
34UV-1020	3/4"	15	60

cim® 34GA

RUBISTAR - Ball bibcock with hose union - Brass CW617N DW - PN 20 - Aluminium lever handle - Quick connect PP hose union

CODE	SIZE		
34GA-1015	1/2"	25	100
34GA-1020	3/4"	-	-

cim® 334

RUBISTAR - Ball bibcock with hose union - Brass CW617N DW - PN 20 - Aluminium butterfly handle

CODE	SIZE		
334-1010	3/8"	20	80
334-1015	1/2"	20	80
334-1020	3/4"	15	60
334-1025	1"	8	32

cim® 334GA

RUBISTAR - Ball bibcock with hose union - Brass CW617N DW - PN 20 - Aluminium butterfly handle - Quick connect PP hose union

CODE	SIZE		
334GA-1015	1/2"	20	80
334GA-1020	3/4"	15	60

cim® 34OT

RUBISTAR - Ball bibcock with hose union - Brass CW617N DW - PN 20 - Brass lever handle

CODE	SIZE		
34OT-1015	1/2"	20	80
34OT-1020	3/4"	15	60

cim® 34GAOT

RUBISTAR - Ball bibcock with hose union - Brass CW617N DW - PN 20 - Brass lever handle - Quick connect PP hose union

CODE	SIZE		
34GAOT-1015	1/2"	-	-
34GAOT-1020	3/4"	-	-

cim® 34PL

RUBISTAR - Ball bibcock with hose union - Brass CW617N DW - PN 20 - Aluminium lever handle with padlock loop

CODE	SIZE		
34PL-1010	3/8"	20	80
34PL-1015	1/2"	15	60
34PL-1020	3/4"	10	40

Rubistar

cim® 34LUC

RUBISTAR - Ball bibcock with hose union - Brass CW617N DW - PN 20 - Aluminium lever handle with padlock

CODE	SIZE		
34LUC-1010	3/8"	20	80
34LUC-1015	1/2"	15	60
34LUC-1020	3/4"	10	40

Rubistar

cim® 34SI

RUBISTAR - Ball bibcock with hose union - Brass CW617N DW - PN 20 - Aluminium handle with lock, lockable open/closed

CODE	SIZE		
34SI-1010	3/8"	20	80
34SI-1015	1/2"	15	60
34SI-1020	3/4"	10	40
34SI-1025	1"	8	32

Rubistar

cim® 34NRSI

RUBISTAR - Ball bibcock with hose union - Brass CW617N DW - PN 20 - Aluminium handle with lock, lockable open/closed - With non return valve

CODE	SIZE		
34NRSI-1015	1/2"	15	60
34NRSI-1020	3/4"	10	40

Rubistar

cim® 34NR

RUBISTAR - Ball bibcock with hose union - Brass CW617N DW - PN 20 - Aluminium lever handle - With non return valve

CODE	SIZE		
34NR-1015	1/2"	20	80
34NR-1020	3/4"	15	60

Rubistar

cim® 334NR

RUBISTAR - Ball bibcock with hose union - Brass CW617N DW - PN 20 - Aluminium butterfly handle - With non return valve

CODE	SIZE		
334NR-1015	1/2"	20	80
334NR-1020	3/4"	15	80

Rubistar

cim® 36

RUBISTAR - Ball bibcock - Brass CW617N DW - PN 20 - Aluminium lever handle

CODE	SIZE		
36-1010	3/8"	20	80
36-1015	1/2"	20	80
36-1020	3/4"	15	60
36-1025	1"	8	32

Rubistar

cim® 336

RUBISTAR - Ball bibcock - Brass CW617N DW - PN 20 - Aluminium butterfly handle

CODE	SIZE		
336-1010	3/8"	25	100
336-1015	1/2"	25	100
336-1020	3/4"	15	60
336-1025	1"	10	40

Rubistar

cim® 134

RUBISTAR - Duplex ball bibcock with hose union - Brass CW617N DW - PN 20 - Aluminium lever handle

CODE	SIZE		
134-2120	1/2" x 3/4"	15	60

Rubistar

cim® 3134

RUBISTAR - Duplex ball bibcock with hose union - Brass CW617N DW - PN 20 - Aluminium butterfly handle

CODE	SIZE		
3134-2120	1/2" x 3/4"	15	60

Rubistar

cim® 34PR

RUBISTAR - Ball bibcock with hose union - Brass CW617N DW - PN 20 - Aluminium lever handle - Quick connect brass hose union

CODE	SIZE		
34PR-1015	1/2"	20	80
34PR-1020	3/4"	15	60

Rubistar

cim® 34-1GA

RUBISTAR - ANTIFROST ball bibcock with hose union - Brass CW617N DW - PN 20 - Aluminium lever handle - Quick connect PP hose union

CODE	SIZE		
34-1GA-1015	1/2"	20	80
34-1GA-1020	3/4"	15	60

Rubistar

cim® 34-1

RUBISTAR - ANTIFROST ball bibcock with hose union - Brass CW617N DW - PN 20 - Aluminium lever handle

CODE	SIZE		
34-1-1015	1/2"	20	80
34-1-1020	3/4"	15	60
34-1-1025	1"	8	32

Rubistar

cim® 334-1

RUBISTAR - ANTIFROST ball bibcock with hose union - Brass CW617N DW - PN 20 - Aluminium butterfly handle

CODE	SIZE		
334-1-1015	1/2"	20	80
334-1-1020	3/4"	15	60
334-1-1025	1"	8	32

Rubistar

cim® 34-1PR

RUBISTAR - ANTIFROST ball bibcock with hose union - Brass CW617N DW - PN 20 - Aluminium lever handle - Quick connect brass hose union

CODE	SIZE		
34-1PR-1015	1/2"	20	80
34-1PR-1020	3/4"	8	32

Rubistar

cim® 34-1OT

RUBISTAR - ANTIFROST ball bibcock with hose union - Brass CW617N DW - PN 20 - Brass lever handle

CODE	SIZE		
34-1OT-1015	1/2"	20	80
34-1OT-1020	3/4"	15	60

Rubistar

cim® 36-1

RUBISTAR - ANTIFROST ball bibcock - Brass CW617N DW - PN 20 - Aluminium lever handle

CODE	SIZE		
36-1-1010	3/8"	20	120
36-1-1015	1/2"	20	120
36-1-1020	3/4"	15	80
36-1-1025	1"	8	60

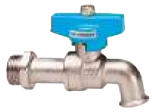
Rubistar

cim® 336-1

RUBISTAR - ANTIFROST ball bibcock - Brass CW617N DW - PN 20 - Aluminium butterfly handle

CODE	SIZE		
336-1-1010	3/8"	30	120
336-1-1015	1/2"	30	120
336-1-1020	3/4"	20	80
336-1-1025	1"	15	60

Rubistar



cim® 34-1SI

RUBISTAR - ANTIFROST ball bibcock with hose union - Brass CW617N DW - PN 20 - Aluminium handle with lock, lockable open and closed

CODE	SIZE		
34-1SI-1015	1/2"	15	60
34-1SI-1020	3/4"	10	40
34-1SI-1025	1"	8	32

Rubistar

cim® 38

RUBIFAST - Bibcock with hose union - Brass CW617N DW - PN 10 - ABS button

CODE	SIZE		
38-1015	1/2"	30	120

Rubifast

cim® 40

RUBIFAST - Bibcock with jet breaker - Brass CW617N DW - PN 10 - ABS button

CODE	SIZE		
40-1015	1/2"	30	120

Rubifast

cim® 40-8

RUBIFAST - Bibcock with 8 lt/sec aerator - Brass CW617N DW - PN 10 - ABS button

CODE	SIZE		
40-8-1015	1/2"	30	120

Rubifast

cim® 42

RUBIFAST - Bibcock with hose union - Brass CW617N DW - PN 10 - ABS button - Polished chrome

CODE	SIZE		
42-1015	1/2"	30	120

Rubifast

cim® 44-8

RUBIFAST - Bibcock with 8 lt/sec aerator - Brass CW617N DW - PN 10 - ABS button - Polished chrome

CODE	SIZE		
44-8-1015	1/2"	20	80

Rubifast

cim® 34AR

RUBISTAR - Ball bibcock with hose union - Brass CW617N DW - PN 20 - Aluminium lever handle - Brass quick connect coupling for rubber hose

CODE	SIZE		
34AR-1015	1/2"	10	40
34AR-1020	3/4"	8	32

Rubistar

cim® 34NEROP

RUBISTAR - Ball bibcock with hose union - Brass CW617N DW - TEA®PLUS coating - PN20 - Nylon 6/6 lever handle UV resistant - PP quick connect coupling for rubber hose

CODE	SIZE		
34NEROP-T1015	1/2"	20	80

Rubistar

cim® 35

Quick connect coupling for rubber hose - Brass CW617N DW

CODE	SIZE		
35-1015	1/2" (Ø 12-15)	50	200
35-1020	3/4" (Ø 16-19)	50	200

cim® 35PP

Quick connect coupling for rubber hose - PP

CODE	SIZE		
35PP-1015	1/2" (Ø 12-15)	50	200
35PP-1020	3/4" (Ø 16-19)	50	200

cim® 99

Water hydrant ball valve - Brass CW617N DW - PN 16 - Aluminium butterfly handle

CODE	SIZE		
99-2099	1/2" x 3/4"	25	100
99-2128	3/4" x 3/4"	25	100
99-2129	3/4" x 1"	20	80
99-2155	1" x 1"1/4	8	32

cim® 500

GARDEN BOX - Garden well with hydrant - Brass CW617N DW - PN 16 - PP box

CODE	SIZE		
500-2099	1/2" x 3/4"	1	2
500-2104	1/2" x 1"	1	2
500-2128	3/4" x 3/4"	1	2
500-2129	3/4" x 1"	1	2

cim® 011

MINI ball valve - Brass CW617N DW - PN 150 - Nylon 6/6 butterfly handle

CODE	SIZE		
011-1008	1/4"	50	200
011-1010	3/8"	50	200
011-1015	1/2"	50	200

cim® 011C

MINI ball valve - Brass CW617N DW - PN 150 - Chrome plated ABS butterfly handle

CODE	SIZE		
011C-1008	1/4"	50	200
011C-1010	3/8"	50	200
011C-1015	1/2"	50	200

cim® 011RS

MINI ball valve - Brass CW617N DW - PN 150 - Nylon 6/6 butterfly handle

CODE	SIZE		
011RS-1008	1/4"	50	200
011RS-1010	3/8"	50	200
011RS-1015	1/2"	50	200

cim® 011BL

MINI ball valve - Brass CW617N DW - PN 150 - Nylon 6/6 butterfly handle

CODE	SIZE		
011BL-1008	1/4"	50	200
011BL-1010	3/8"	50	200
011BL-1015	1/2"	50	200

cim® 011RS34

MINI ball valve - Brass CW617N DW - PN 150 - Aluminium lever handle

CODE	SIZE		
011RS34-1008	1/4"	50	200
011RS34-1010	3/8"	50	200
011RS34-1015	1/2"	50	200

cim® 011BL34

MINI ball valve - Brass CW617N DW - PN 150 - Aluminium lever handle

CODE	SIZE		
011BL34-1008	1/4"	50	200
011BL34-1010	3/8"	50	200
011BL34-1015	1/2"	50	200

cim® 012

MINI ball valve - Brass CW617N DW - PN 150 - Nylon 6/6 lever handle

CODE	SIZE		
012-1008	1/4"	50	200
012-1010	3/8"	50	200
012-1015	1/2"	50	200

cim® 012C

MINI ball valve - Brass CW617N DW - PN 150 - Chrome plated ABS lever handle

CODE	SIZE		
012C-1008	1/4"	50	200
012C-1010	3/8"	50	200
012C-1015	1/2"	50	200

cim® 012RS

MINI ball valve - Brass CW617N DW - PN 150 - Nylon 6/6 lever handle

CODE	SIZE		
012RS-1008	1/4"	50	200
012RS-1010	3/8"	50	200
012RS-1015	1/2"	50	200

cim® 012BL

MINI ball valve - Brass CW617N DW - PN 150 - Nylon 6/6 lever handle

CODE	SIZE		
012BL-1008	1/4"	50	200
012BL-1010	3/8"	50	200
012BL-1015	1/2"	50	200

cim® 012RS34

MINI ball valve - Brass CW617N DW - PN 150 - Aluminium lever handle

CODE	SIZE		
012RS34-1008	1/4"	50	200
012RS34-1010	3/8"	50	200
012RS34-1015	1/2"	50	200

cim® 012BL34

MINI ball valve - Brass CW617N DW - PN 150 - Aluminium lever handle

CODE	SIZE		
012BL34-1008	1/4"	50	200
012BL34-1010	3/8"	50	200
012BL34-1015	1/2"	50	200

cim® 012CR

MINI ball valve - Brass CW602N - PN 150 - Nylon 6/6 lever handle

CODE	SIZE		
012CR-1015	1/2"	50	200

cim® 012CRC

MINI ball valve - Brass CW602N - PN 150 - Chrome plated ABS lever handle

CODE	SIZE		
012CRC-1015	1/2"	50	200

cim® 013

MINI ball valve - Brass CW617N DW - PN 150 - Aluminium square cap 12 × 12

CODE	SIZE		
013-1008	1/4"	50	200
013-1010	3/8"	50	200
013-1015	1/2"	50	200

cim® 014

MINI ball valve - Brass CW617N DW - PN 150 - Aluminium square cap 12 × 12

CODE	SIZE		
014-1008	1/4"	50	200
014-1010	3/8"	50	200
014-1015	1/2"	50	200

cim® 015

MINI ball valve - Brass CW617N DW - PN 150 - Nylon 6/6 lever handle

CODE	SIZE		
015-1008	1/4"	50	200
015-1010	3/8"	50	200
015-1015	1/2"	50	200

cim® 016

MINI ball valve - Brass CW617N DW - PN 150 - Aluminium square cap 12 × 12

CODE	SIZE		
016-1008	1/4"	50	200
016-1010	3/8"	50	200
016-1015	1/2"	50	200

cim® 019

MINI ball valve - Brass CW617N DW - PN 150 - Nylon 6/6 lever handle - Female/Compression

CODE	SIZE		
019-3057	1/4" x 8	50	200
019-3084	3/8" x 10	50	200
019-3107	1/2" x 12	50	200
019-3110	1/2" x 15	50	200

cim® 020

MINI ball valve - Brass CW617N DW - PN 150 - Aluminium square cap 12 × 12 - Female/Compression

CODE	SIZE		
020-3057	1/4" x 8	50	200
020-3084	3/8" x 10	50	200
020-3107	1/2" x 12	50	200
020-3110	1/2" x 15	50	200

cim® 021

MINI ball valve - Brass CW617N DW - PN 150 - Nylon 6/6 lever handle - Male/Compression

CODE	SIZE		
021-3057	1/4" x 8	50	200
021-3084	3/8" x 10	50	200
021-3107	1/2" x 12	50	200
021-3110	1/2" x 15	50	200

cim® 022

MINI ball valve - Brass CW617N DW - PN 150 - Aluminium square cap 12 × 12 - Male/Compression

CODE	SIZE		
022-3057	1/4" x 8	50	200
022-3084	3/8" x 10	50	200
022-3107	1/2" x 12	50	200
022-3110	1/2" x 15	50	200

cim® 031

MINI ball valve - Brass CW617N DW - PN 20 - Nylon 6/6 butterfly handle

CODE	SIZE		
031-1015	1/2"	50	200

cim® 032

MINI ball valve - Brass CW617N DW - PN 20 - Nylon 6/6 lever handle

CODE	SIZE		
032-1015	1/2"	50	200

cim® 190

Ball bibcock for boiler drain with hose union - Brass CW617N DW - PN 16 - Aluminium square cap 12 × 12 - Brass chain and plug

CODE	SIZE		
190-1015	1/2"	50	200

cim® 193

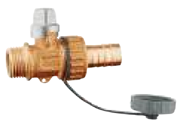
Ball bibcock for boiler drain with hose union - Brass CW617N DW - PN 16 - Nylon 6/6 lever handle - Brass chain and plug

CODE	SIZE		
193-1015	1/2"	50	200

cim® 190-2

Ball bibcock for boiler drain with hose union - Brass CW617N DW - PN 16 - Aluminium square cap 12 × 12 - PP chain and plug

CODE	SIZE		
190-2-1015	1/2"	50	200



cim® 193-2

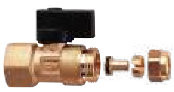
Ball bibcock for boiler drain with hose union - Brass CW617N DW - PN 16 - Nylon 6/6 lever handle - PP chain and plug

CODE	SIZE		
193-2-1015	1/2"	50	200

cim® 271

Ball bibcock - Brass CW617N DW - PN 16 - Nylon 6/6 lever handle - Female/PEX pipe

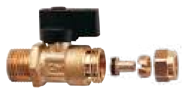
CODE	SIZE		
271-3110	1/2" x 15	50	200
271-3111	1/2" x 16	50	200
271-3113	1/2" x 18	50	200



cim® 272

Ball bibcock - Brass CW617N DW - PN 16 - Nylon 6/6 lever handle - Male/PEX pipe

CODE	SIZE		
272-3110	1/2" x 15	50	200
272-3111	1/2" x 16	50	200
272-3113	1/2" x 18	50	200



cim® 072

Ball bibcock - Brass CW617N DW - PN 16 - Nylon 6/6 lever handle - Male/PEX pipe

CODE	SIZE		
072-3110	1/4"	50	200
072-3111	3/8"	50	200
072-3113	1/2"	50	200

cim® 075

Ball bibcock - Brass CW617N DW - PN 16 - Nylon 6/6 lever handle - Male/Pipe union

CODE	SIZE		
075-2415	M24 X 1,5	50	200

cim® 39

Right angle ball bibcock for washing machine - Brass CW617N DW - PN 16 - Chrome plated ABS butterfly handle

CODE	SIZE		
39-2099	1/2" x 3/4"	50	150

cim® 39LNEW

Right angle ball bibcock for washing machine - Brass CW617N DW - PN 16 - Chrome plated metal butterfly handle

CODE	SIZE		
39LNEW-2099	1/2" x 3/4"	50	200

cim® 39NR

Right angle ball bibcock for washing machine - Brass CW617N DW - PN 16 - Chrome plated ABS butterfly handle - With non return valve

CODE	SIZE		
39NR-2099	1/2" x 3/4"	50	150

cim® 39LNRNEW

Right angle ball bibcock for washing machine - Brass CW617N DW - PN 16 - Chrome plated metal butterfly handle - With non return valve

CODE	SIZE		
39LNRNEW-2099	1/2" x 3/4"	50	200

cim® 45NEW

Right angle ball bibcock - Brass CW617N DW - PN 16 - Chrome plated metal butterfly handle - With stainless steel rosette

CODE	SIZE		
45NEW-2101	1/2" x 3/8"	50	150
45NEW-2102	1/2" x 1/2"	50	150

cim® 46NEW

Right angle ball bibcock - Brass CW617N DW - PN 16 - Chrome plated metal butterfly handle - With stainless steel rosette - Male/Compression

CODE	SIZE		
46NEW-3105	1/2" x 10	50	150
46NEW-3110	1/2" x 15	50	150

cim® 45F

Right angle ball bibcock with strainer - Brass CW617N DW - PN 16 - Chrome plated ABS butterfly handle - With strainer

CODE	SIZE		
45F-2101	1/2" x 3/8"	50	100
45F-2102	1/2" x 1/2"	50	100

cim® 2185

Combined washing machine bibcock - Brass CW617N DW - PN 10 - With stainless steel anti backflow valve

CODE	SIZE		
2185-2099	1/2" x 3/4"	1	50

cim® 180

Polished chrome ball bibcock with hose union - Brass CW617N DW - PN 16 - Chrome plated ABS lever handle

CODE	SIZE		
180-1015	1/2"	25	100

cim® 181

Polished chrome ball bibcock with filler - Brass CW617N DW - PN 16 - Chrome plated ABS lever handle

CODE	SIZE		
181-1015	1/2"	25	100

cim® 182

Polished chrome ball bibcock for washing machine - Brass CW617N DW - PN 16 - Chrome plated ABS lever handle

CODE	SIZE		
182-1015	1/2"	25	100

cim® 183

Polished chrome ball bibcock with aerator - Brass CW617N DW - PN 16 - Chrome plated ABS lever handle

CODE	SIZE		
183-1015	1/2"	25	100

cim® 182XL

Polished chrome extended type ball bibcock for washing machine - Brass CW617N DW - PN 16 - Chrome plated ABS lever handle

CODE	SIZE		
182XL-1015	1/2"	25	100

cim® 182XLNR

Polished chrome extended type ball bibcock for washing machine - Brass CW617N DW - PN 16 - Chrome plated ABS lever handle - With non return valve

CODE	SIZE		
182XLNR-1015	1/2"	25	100

cim® 113

Polished chrome extended type ball bibcock with aerator - Brass CW617N DW - PN 16 - Chrome plated brass handle

CODE	SIZE		
113-1015	1/2"	1	27

cim® 114

Polished chrome extended type ball bibcock with hose union - Brass CW617N DW - PN 16 - Chrome plated brass handle

CODE	SIZE		
114-1015	1/2"	1	27

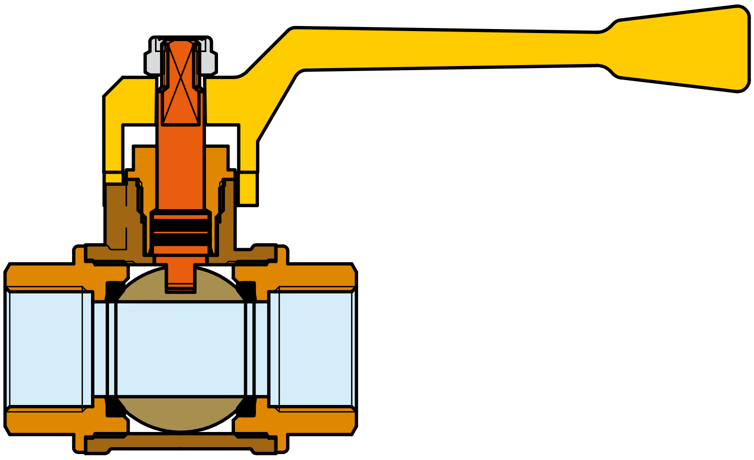
Chapter 9

Gas valves

cimberio®

technological **valve** solutions

Ball valves for **Gas EN 331**



Body	*Brass CW617N DW*
Screwed connections	*Brass CW617N DW*
Ball 1/4" - 2"	*Brass CW617N DW*
Ball 2"1/2 - 4"	*Cast brass CC754S*
Ball gasket	*P.T.F.E.*
Stem	*Brass CW617N DW*
Stem gasket	*O-ring NBR*
Gland nut	*Brass CW617N DW*
Handle	*Aluminum EN AB-46100*
Self-locking nut	*Stainless steel A2*

Service recommendations:

Ball valves are suitable for gas at low pressure for the distribution of:

Natural gas:
Gas obtained from petroleum (methane) and propane/air mixtures.

Town gas:
Gas produced according to different process (cracking-coacking,etc.).

Liquefied gases:
Propane and mixtures of propane/butane.

Maximum operating pressure and temperature:

MOP 5 -20
Operating limit at MOP 5 -20 (class MOP5) with temperatures at -20°C to + 60°C (class -20°C).

Sealing material for threads:

Anaerobic adhesive according to EN 751-1.

Threading:

For ***T10G - T12G - T16G***
Female parallel threads according to ISO 7/1 - EN 10226 Rp (standard).
NPT threads ANSI B1.20.1.
Female taper threads according to ISO 7/1 - EN 10226 Rc on request.

Technical features:

Balls:
Full bore, linear and solid type to avoid flow drop and turbulences. Mirror polished surface, diamond-finished, with **TEA**® coating.

Cap - stem:
The tamper-proof cap is mounted onto the valve body and sealed with an anaerobic adhesive.
The stem, which is sealed by 2 NBR O-rings, is inserted in a explosion proof grand cap.

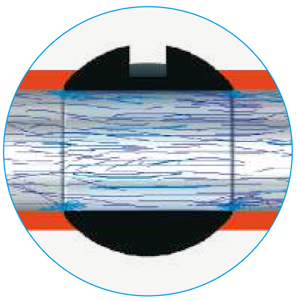
Safety handle:
By lifting and turning the aluminium or butterfly handle 180°, the valve can be locked in the "open/closed" positions.

Tightness angle:
the tightening seat dimensions and the ball diameter guarantee a tightness angle ≥ 12° for T10G series and ≥ 9° for T12G and T16G series.

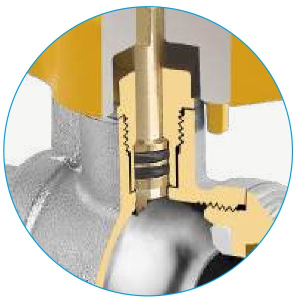
Test:

All valves are evaluated by means of pneumatic electronic testing in both the open and closed position, according to EN 331.

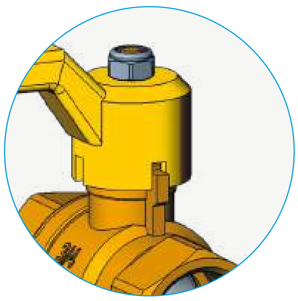
The valves comply with Directive 2014/68/EU (PED).



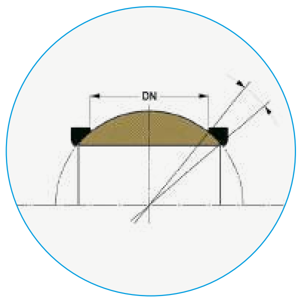
Ball



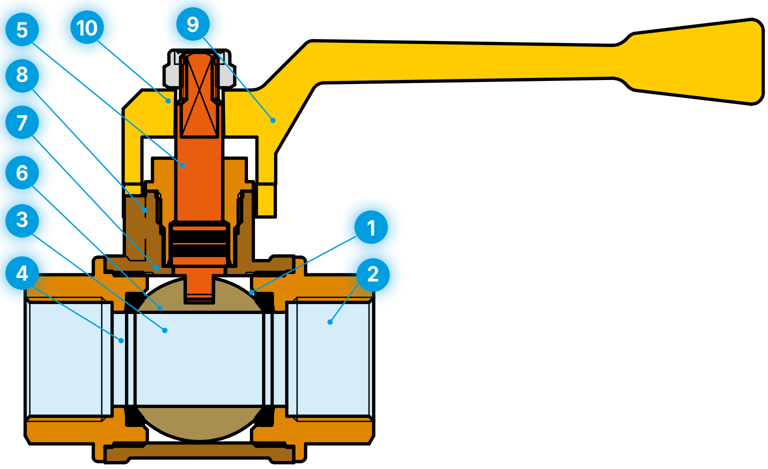
Cap with stem

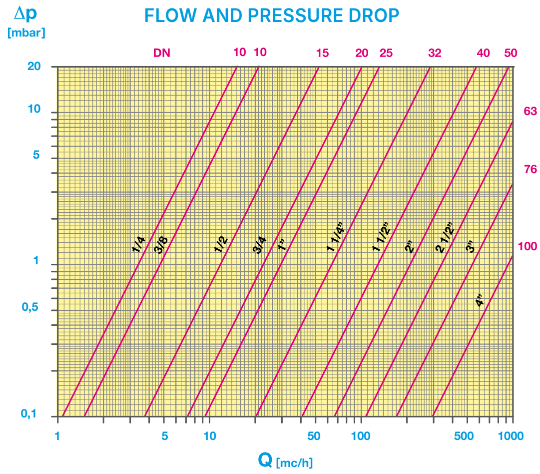


Handle blockage



Tightness angle





Operation:

Cimberio gas ball valves are certified by DIN DVGW and BSi (KITEMARK) according to the European standard EN331, and by UL - CSA according to American standards.

T10G, T12G and T16G series gas ball valves are used to intercept fluids, but never to regulate flow.

To close the valve rotate the operating handle 9 90° clockwise. To open the valve rotate the operating handle 9 90° counter-clockwise.

By turning, the handle makes the stem 5, connected to the ball 3, rotate on the P.T.F.E. gaskets 4.

Handle position 9 shows flow direction: parallel to the body is "valve opened", perpendicular to the body is "valve closed".

Note:

Before having any valve serviced, make sure the system is not running or is pressurised.

Maintenance:

No specific servicing is generally required for gas ball valves. If necessary, valves must be serviced by trained staff only. For smooth operation, it is advisable to keep to the following:

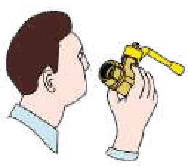
A: Never use ball valves to regulate flow, but only to intercept fluids in order to avoid damaging the gaskets 4;

B: fully operate the valve at least once every 3 months.

Certificate No. 0425 PED 007329-00 authorizes Cimberio S.p.A. to affix the CE mark on the valves.

1

Before installation, inspect valve threads for dirt. Dirt can damage gasket surface and cause leaking.



2

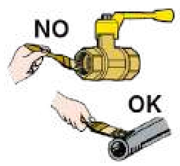
Clean out pipe before use. Pipe scale and dirt are often the cause of leaking valves.

3

Remove all burrs from pipe connections after threading. Burrs can hinder tightness.

4

Distribute sealing material on pipe threads only, not on valve threads.

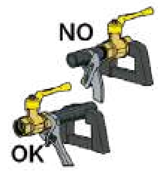


5

For assembly purposes, use a spanner, not a pipe wrench, by applying necessary operating torque only on the valve end nearest the pipe. This helps get a firmer grip and avoid potential damage to the valve body.

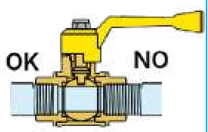
6

To prevent distortion and damage to operating parts, do not put valve into vice on assembly bench but instead keep pipefixed and screw valve into place.



7

Pipe threading should not be longer than the operating threads of any valve.

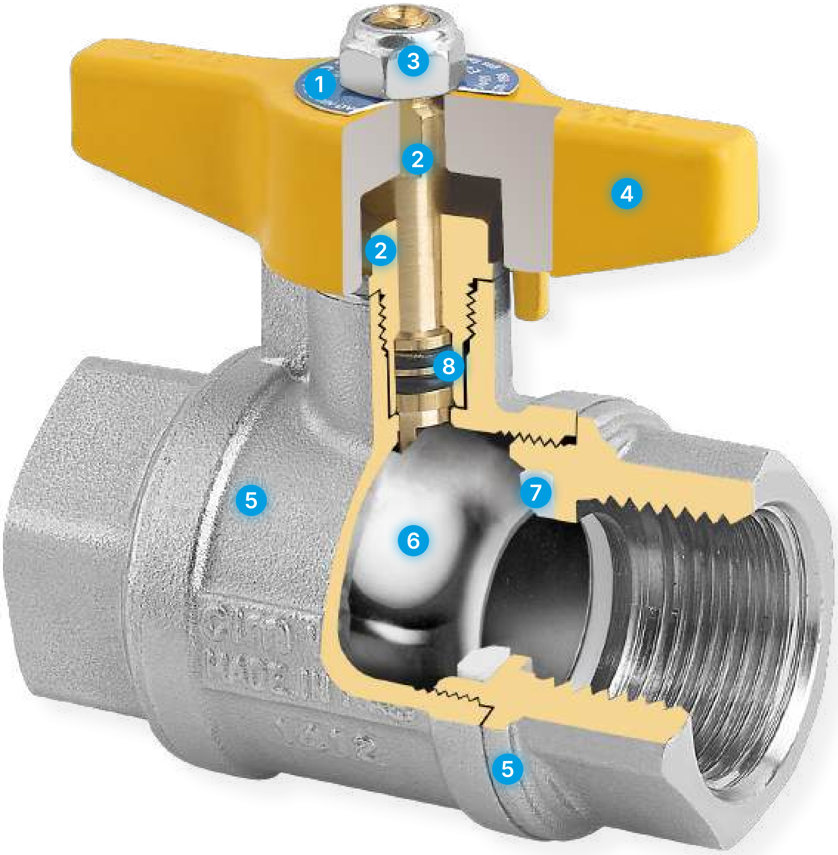


Warranty:

All Cimberio products are guaranteed for five years when correctly used in accordance with technical data for installation and use.

Gas ball valves **T10G SERIES**

Operating pressure and temperature: MOP 5   -20°C + 60°C



1. **RATING DISC:** Aluminium
2. **STEM - GLAND:** Turned from brass bar: EN 12164 CW617N DW
3. **NUT:** Self-locking type – Stainless Steel A2
4. **HANDLE:** Aluminium alloy EN AB 46100, epoxy painted
5. **BODY - SCREWED CONNECTIONS:** Hot pressed from brass bar: EN 12165 CW617N DW
6. **BALL:** Hot pressed from brass bar: EN 12165 CW617N DW, mirror polished, diamond finished surface with **TEA**® coating
7. **BALL GASKETS:** PURE P.T.F.E. CONICAL RINGS 54 - 57 SHORE D
8. **STEM GASKETS:** 2 NBR O-rings

RATING DISC

cim® 10G

cim® 310G

DN	Ø mm	CS	CM	MT
1/4"	10	2	1	10
3/8"	10	2	1	10
1/2"	15	6	3	20
3/4"	20	10	4	45
1"	25	12	5	45
1"1/4	32	17	8	92
1"1/2	40	22	10	93
2"	50	26	13	93
2"1/2	63	32	15	280
3"	76	36	17	280
4"	100	40	19	550

CS: Starting torque in Nm
CM: Operating torque in Nm
MT: Stem breaking torque in Nm

cim® 10G

T10G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 5 - Aluminium lever handle

CODE	SIZE		
10G-1008	1/4"	50	100
10G-1010	3/8"	50	100
10G-1015	1/2"	25	100
10G-1020	3/4"	16	64
10G-1025	1"	12	48
10G-1032	1"1/4	6	24
10G-1040	1"1/2	5	20
10G-1050	2"	3	12
10G-1070	2"1/2	2	4
10G-1080	3"	1	2
10G-1100	4"	1	2

cim® 310G

T10G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 5 - Aluminium butterfly handle

CODE	SIZE		
310G-1008	1/4"	50	100
310G-1010	3/8"	50	100
310G-1015	1/2"	35	70
310G-1020	3/4"	20	40
310G-1025	1"	15	30
310G-1032	1"1/4	10	20
310G-1040	1"1/2	6	12
310G-1050	2"	3	6

cim® 201G

T10G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 5 - Aluminium lever handle

CODE	SIZE		
201G-1008	1/4"	50	200
201G-1010	3/8"	50	200
201G-1015	1/2"	25	100
201G-1020	3/4"	16	64
201G-1025	1"	12	48
201G-1032	1"1/4	6	24
201G-1040	1"1/2	5	20
201G-1050	2"	3	12

cim® 301G

T10G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 5 - Aluminium butterfly handle

CODE	SIZE		
301G-1008	1/4"	50	200
301G-1010	3/8"	50	200
301G-1015	1/2"	35	140
301G-1020	3/4"	20	80
301G-1025	1"	15	60
301G-1032	1"1/4	8	32
301G-1040	1"1/2	6	24
301G-1050	2"	3	12

cim® 202G

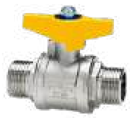
T10G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 5 - Aluminium lever handle

CODE	SIZE		
202G-1008	1/4"	50	200
202G-1010	3/8"	50	200
202G-1015	1/2"	25	100
202G-1020	3/4"	16	64
202G-1025	1"	12	48
202G-1032	1"1/4	6	24
202G-1040	1"1/2	5	20
202G-1050	2"	3	12

cim® 302G

T10G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 5 - Aluminium butterfly handle

CODE	SIZE		
302G-1008	1/4"	50	200
302G-1010	3/8"	50	200
302G-1015	1/2"	40	160
302G-1020	3/4"	30	100
302G-1025	1"	20	80
302G-1032	1"1/4	12	40
302G-1040	1"1/2	7	28
302G-1050	2"	4	16



cim® 229G

T10G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 5 - Aluminium butterfly handle

CODE	SIZE		
229G-2102	1/2" x 1/2"	30	120
229G-2128	3/4" x 3/4"	18	72
229G-2154	1" x 1"	10	40

cim® 230G

T10G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 5 - Aluminium butterfly handle

CODE	SIZE		
230G-2102	1/2" x 1/2"	30	120
230G-2128	3/4" x 3/4"	18	72
230G-2154	1" x 1"	10	40

cim® 231G

T10G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 5 - Aluminium butterfly handle

CODE	SIZE		
231G-2102	1/2" x 1/2"	30	120
231G-2128	3/4" x 3/4"	18	72
231G-2154	1" x 1"	10	40

cim® 232G

T10G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 5 - Aluminium butterfly handle

CODE	SIZE		
232G-2102	1/2" x 1/2"	30	120
232G-2128	3/4" x 3/4"	18	72
232G-2154	1" x 1"	10	40

cim® 27G

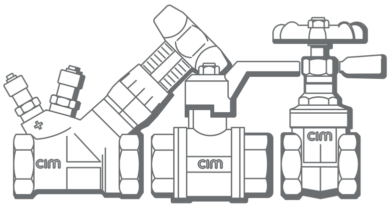
T10G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 5 - Brass diverter - Built in type - With rosette 100 mm

CODE	SIZE		
27G-1010	3/8"	10	40
27G-1015	1/2"	10	40
27G-1020	3/4"	10	40
27G-1025	1"	8	32

cim® 28G

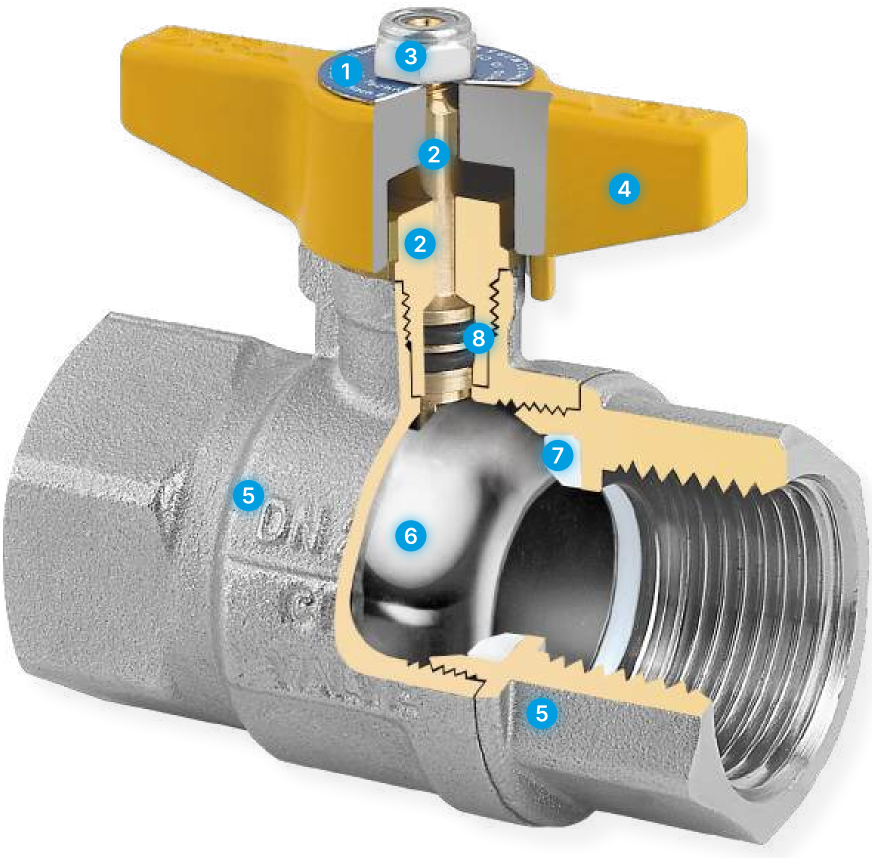
T10G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 5 - Brass diverter - Built in type - With rosette 70 mm

CODE	SIZE		
28G-1010	3/8"	10	40
28G-1015	1/2"	10	40
28G-1020	3/4"	10	40
28G-1025	1"	8	32



Gas ball valves **T12G SERIES**

Operating pressure and temperature: MOP 5 -20°C + 60°C



1 **RATING DISC:**
Aluminium

2 **STEM - GLAND:**
Turned from brass bar:
EN 12164 CW617N DW

3 **NUT:**
Self-locking type –
Stainless steel A2

4 **HANDLE:**
Cim 12G - 312G:
Aluminium alloy EN AB 46100, epoxy painted
Cim 11G:
Steel EN10111-DD11
Geomet 321 - PVC grip

5 **BODY - SCREWED CONNECTIONS:**
Hot pressed from brass bar:
EN 12165 CW617N DW

6 **BALL:**
Hot pressed from brass bar: EN 12165 CW617N DW, mirror polished, diamond finished surface, with **TEA**® coating

7 **BALL GASKETS:**
Pure P.T.F.E. conical rings
54 - 57 Shore D

8 **STEM GASKETS:**
2 NBR O-rings

RATING DISC

cim® 12G

cim® 312G

cim® 11G

DN	Ø mm	CS	CM	MT
1/4"	10	2	1	10
3/8"	10	2	1	10
1/2"	15	6	3	18
3/4"	20	10	4	28
1"	25	12	5	28
1"1/4	32	17	8	42
1"1/2	40	22	10	80
2"	50	26	13	80
2"1/2	63	32	15	280
3"	76	36	17	280
4"	100	40	19	550

CS: Starting torque in Nm
CM: Operating torque in Nm
MT: Stem breaking torque in Nm

cim® 12G

T12G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 5 - Aluminium lever handle

CODE	SIZE		
12G-1008	1/4"	50	200
12G-1010	3/8"	50	200
12G-1015	1/2"	40	160
12G-1020	3/4"	25	100
12G-1025	1"	16	64
12G-1032	1"1/4	10	40
12G-1040	1"1/2	6	24
12G-1050	2"	4	16
12G-1070	2"1/2	2	4
12G-1080	3"	2	4
12G-1100	4"	2	4

cim® 312G

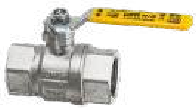
T12G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 5 - Aluminium butterfly handle

CODE	SIZE		
312G-1008	1/4"	50	200
312G-1010	3/8"	50	200
312G-1015	1/2"	40	160
312G-1020	3/4"	30	120
312G-1025	1"	20	80
312G-1032	1"1/4	12	48
312G-1040	1"1/2	7	28
312G-1050	2"	4	16

cim® 11G

T12G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 5 - Steel lever handle

CODE	SIZE		
11G-1008	1/4"	50	200
11G-1010	3/8"	50	200
11G-1015	1/2"	40	160
11G-1020	3/4"	25	100
11G-1025	1"	16	64
11G-1032	1"1/4	10	40
11G-1040	1"1/2	6	24
11G-1050	2"	4	16
11G-1070	2"1/2	2	4
11G-1080	3"	2	4
11G-1100	4"	2	4



cim® 11-1GNPT

T12G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 5 - Steel lever handle - NPT threading

CODE	SIZE		
11-1GNPT-1008	1/4"	50	200
11-1GNPT-1010	3/8"	50	200
11-1GNPT-1015	1/2"	40	160
11-1GNPT-1020	3/4"	25	100
11-1GNPT-1025	1"	16	64
11-1GNPT-1032	1"1/4	10	40
11-1GNPT-1040	1"1/2	6	24
11-1GNPT-1050	2"	4	16
11-1GNPT-1070	2"1/2	2	4
11-1GNPT-1080	3"	2	4
11-1GNPT-1100	4"	2	4

cim® 12-1GNPT

T12G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 5 - Aluminium lever handle - NPT threading

CODE	SIZE		
12-1GNPT-1008	1/4"	50	200
12-1GNPT-1010	3/8"	50	200
12-1GNPT-1015	1/2"	40	160
12-1GNPT-1020	3/4"	25	100
12-1GNPT-1025	1"	16	64
12-1GNPT-1032	1"1/4	10	40
12-1GNPT-1040	1"1/2	6	24
12-1GNPT-1050	2"	4	16
12-1GNPT-1070	2"1/2	2	4
12-1GNPT-1080	3"	2	4
12-1GNPT-1100	4"	2	4

cim® 312-1GNPT

T12G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 5 - Aluminium butterfly handle - NPT threading

CODE	SIZE		
312-1GNPT-1008	1/4"	50	200
312-1GNPT-1010	3/8"	50	200
312-1GNPT-1015	1/2"	40	160
312-1GNPT-1020	3/4"	25	100
312-1GNPT-1025	1"	20	80
312-1GNPT-1032	1"1/4	12	48
312-1GNPT-1040	1"1/2	7	28
312-1GNPT-1050	2"	4	16

cim® 201-12G

T12G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 5 - Aluminium lever handle

CODE	SIZE		
201-12G-1008	1/4"	50	200
201-12G-1010	3/8"	50	200
201-12G-1015	1/2"	40	160
201-12G-1020	3/4"	25	100
201-12G-1025	1"	18	72
201-12G-1032	1"1/4	10	40
201-12G-1040	1"1/2	6	24
201-12G-1050	2"	3	12

cim® 301-12G

T12G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 5 - Aluminium butterfly handle

CODE	SIZE		
301-12G-1008	1/4"	50	200
301-12G-1010	3/8"	50	200
301-12G-1015	1/2"	40	160
301-12G-1020	3/4"	25	100
301-12G-1025	1"	20	80
301-12G-1032	1"1/4	10	40
301-12G-1040	1"1/2	7	28
301-12G-1050	2"	4	16

cim® 201-11G

T12G series - Gas ball valve EN331 - Full bore - Brass CW617N DW - MOP 5 - Steel lever handle

CODE	SIZE		
201-11G-1008	1/4"	50	200
201-11G-1010	3/8"	50	200
201-11G-1015	1/2"	40	160
201-11G-1020	3/4"	25	100
201-11G-1025	1"	18	72
201-11G-1032	1"1/4	10	40
201-11G-1040	1"1/2	6	24
201-11G-1050	2"	3	12

cim® 202-12G

T12G series - Gas ball valve EN331 - Full bore - Brass CW617N DW - MOP 5 - Aluminium lever handle

CODE	SIZE		
202-12G-1008	1/4"	50	200
202-12G-1010	3/8"	50	200
202-12G-1015	1/2"	25	100
202-12G-1020	3/4"	16	64
202-12G-1025	1"	18	72
202-12G-1032	1"1/4	6	24
202-12G-1040	1"1/2	5	20
202-12G-1050	2"	2	8

cim® 302-12G

T12G series - Gas ball valve EN331 - Full bore - Brass CW617N DW - MOP 5 - Aluminium butterfly handle

CODE	SIZE		
302-12G-1008	1/4"	50	100
302-12G-1010	3/8"	50	100
302-12G-1015	1/2"	35	140
302-12G-1020	3/4"	20	80
302-12G-1025	1"	15	60
302-12G-1032	1"1/4	8	32
302-12G-1040	1"1/2	6	24
302-12G-1050	2"	3	12

cim® 234G

T12G series - Gas ball valve EN331 - Full bore - Brass CW617N DW - MOP 5 - Aluminium butterfly handle

CODE	SIZE		
234G-2102	1/2" x 1/2"	30	120
234G-2128	3/4" x 3/4"	18	72
234G-2154	1" x 1"	10	40

cim® 235G

T12G series - Gas ball valve EN331 - Full bore - Brass CW617N DW - MOP 5 - Aluminium butterfly handle

CODE	SIZE		
235G-2102	1/2" x 1/2"	30	120
235G-2128	3/4" x 3/4"	18	72
235G-2154	1" x 1"	10	40

cim® 236G

T12G series - Gas ball valve EN331 - Full bore - Brass CW617N DW - MOP 5 - Aluminium butterfly handle

CODE	SIZE		
236G-2102	1/2" x 1/2"	35	140
236G-2128	3/4" x 3/4"	18	72
236G-2154	1" x 1"	10	40

cim® 237G

T12G series- Gas ball valve EN331 - Full bore - Brass CW617N DW - MOP 5 - Aluminium butterfly handle

CODE	SIZE		
237G-2102	1/2" x 1/2"	35	140
237G-2128	3/4" x 3/4"	18	72
237G-2154	1" x 1"	10	40

cim® 12TAS

T12G series - Thermal resistance gas ball valve EN331 - Full bore - Brass CW617N DW - MOP 5 - Brass lever handle - 950°C / 30 Mins. temperature resistance

CODE	SIZE		
12TAS-1015	1/2"	20	80
12TAS-1020	3/4"	15	60
12TAS-1025	1"	12	48

cim® 802FP

T12G series - Thermal resistance gas ball valve EN331 - Full bore - Brass CW617N DW - MOP 5 - Brass lever handle - Approved ARGB DIN DVGW HTB 650°C/30 Mins.

CODE	SIZE		
802FP-1015	1/2"	25	100
802FP-1020	3/4"	16	64
802FP-1025	1"	12	48
802FP-1032	1"1/4	6	24
802FP-1040	1"1/2	5	20
802FP-1050	2"	3	12

cim® 801FP

T12G series - Thermal resistance gas ball valve EN331 - Full bore - Brass CW617N DW - MOP 5 - Brass lever handle - Approved ARGB DIN DVGW HTB 650°C/30 Mins.

CODE	SIZE		
801FP-1015	1/2"	25	100
801FP-1020	3/4"	16	64
801FP-1025	1"	12	48
801FP-1032	1"1/4	6	24
801FP-1040	1"1/2	5	20
801FP-1050	2"	3	12

cim® 800FP

T12G series - Thermal resistance gas ball valve EN331 - Full bore - Brass CW617N DW - MOP 5 - Brass lever handle - Approved ARGB HTB 650°C/30 Mins.

CODE	SIZE		
800FP-1015	1/2"	30	120
800FP-1020	3/4"	20	80
800FP-1025	1"	10	40

cim® 802FPTR

T12G series - Thermal resistance gas ball valve EN331 - Full bore - Brass CW617N DW - MOP 5 - Brass lever handle - Approved ARGB HTB 650°C/30 Mins.

CODE	SIZE		
802FPTR-3110	1/2" x 15	25	100

cim® 110G

T12G series - Right angle gas ball valve EN331 with test point - Full bore - Brass CW617N DW - MOP 5 - Aluminium butterfly handle - Patented

CODE	SIZE		
110G-2129	3/4" x 1	15	60

cim® 110GLD

T12G series - Right angle gas ball valve EN331 with test point - Full bore - Brass CW617N DW - MOP 5 - Aluminium butterfly handle safety and tamper proof with key - Patented

CODE	SIZE		
110GLD-2129	3/4" x 1	15	60

cim® 112G

T12G series - Right angle gas ball valve EN331 with test point - Full bore - Brass CW617N DW - MOP 5 - Aluminium butterfly handle - Patented

CODE	SIZE		
112G-2154	1" x 1"	15	60

cim® 112GLD

T12G series - Right angle gas ball valve EN331 with test point - Full bore - Brass CW617N DW - MOP 5 - Aluminium butterfly handle safety and tamper proof with key - Patented

CODE	SIZE		
112GLD-2154	1" x 1"	12	48

cim® 120G

T16G series - Gas ball valve EN331 with test point - Full bore - Brass CW617N DW - MOP 5 - Aluminium butterfly handle

CODE	SIZE		
120G-2129	3/4" x 1"	15	60
120G-2154	1" x 1"	15	60

cim® 120GLD

T12G series - Gas ball valve EN331 with test point - Full bore - Brass CW617N DW - MOP 5 - Aluminium butterfly handle safety and tamper proof with key

CODE	SIZE		
120GLD-2129	3/4" x 1	12	48
120GLD-2154	1" x 1"	12	48

cim® 111G

T12G series - Right angle gas ball valve EN331 with test point - Full bore - Brass CW617N DW - MOP 5 - Aluminium butterfly handle - Patented - Female/Swivel nut

CODE	SIZE		
111G-2129	3/4" x 1	12	48

cim® 111GLD

T12G series - Right angle gas ball valve EN331 with test point - Full bore - Brass CW617N DW - MOP 5 - Aluminium butterfly handle safety and tamper proof with key - Patented - Female/Swivel nut

CODE	SIZE		
111GLD-2129	3/4" x 1	8	32

cim® 121G

T12G series - Gas ball valve EN331 with test point - Full bore - Brass CW617N DW - MOP 5 - Aluminium butterfly handle - Female/Swivel nut

CODE	SIZE		
121G-2129	3/4" x 1	20	80

cim® 121GLD

T12G series - Gas ball valve EN331 with test point - Full bore - Brass CW617N DW - MOP 5 - Aluminium butterfly handle safety and tamper proof with key - Female/Swivel nut

CODE	SIZE		
121GLD-2129	3/4" x 1"	8	32

cim® 27GB

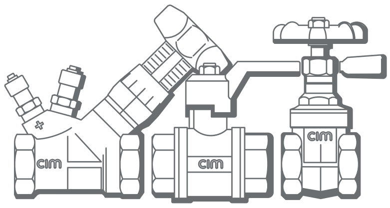
T10G series - GASBOX - Gas ball valve EN331 - Full bore - Brass CW617N DW - MOP 5 - Brass diverter - Built in type - With rosette 100 mm

CODE	SIZE		
27GB-1010	3/8"	5	20
27GB-1015	1/2"	5	20
27GB-1020	3/4"	5	20

cim® 29GB

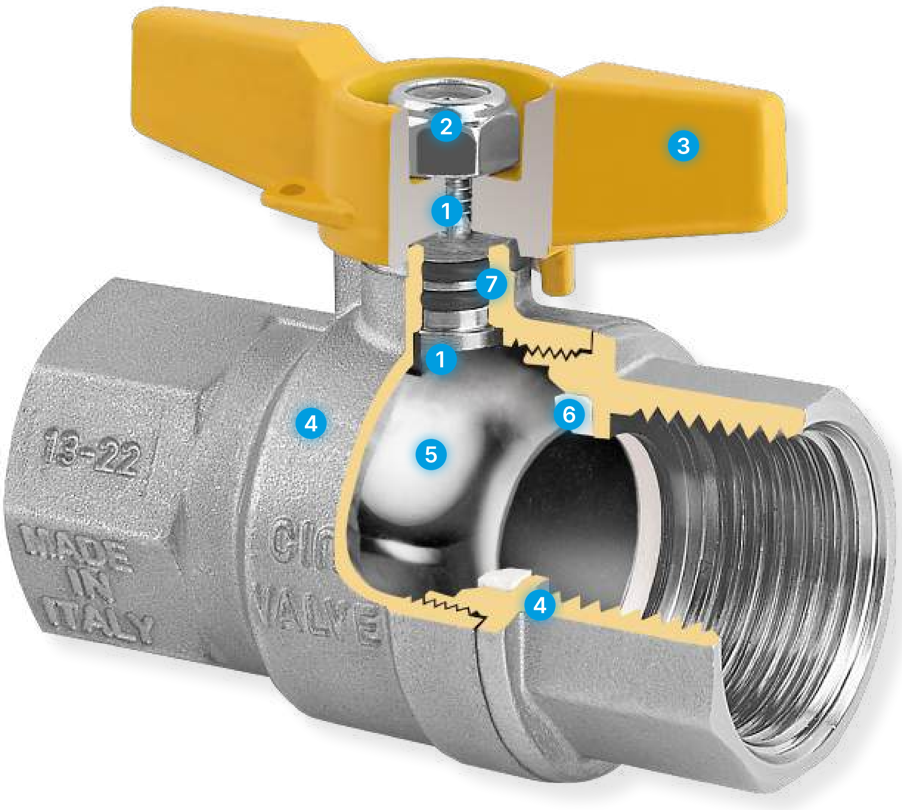
T10G series - GASBOX2 - Gas ball valve EN331 - Full bore - Brass CW617N DW - MOP 5 - Brass diverter - Built in gas kit - Compression/Compression

CODE	SIZE		
29GB-8014	DN 14	1	8
29GB-8016	DN 16	1	8
29GB-8018	DN 18	1	8



Gas ball valves **T16G SERIES**

Operating pressure and temperature: MOP 20   -20°C + 60°C



1. **STEM:** Blow-out proof Turned from brass bar: EN 12164 CW617N DW
2. **NUT:** Self-locking type – Stainless steel A2
3. **HANDLE:**
   Cim 16G - 316G:
   Aluminium alloy EN AB 46100, epoxy painted

   Cim 17G:
   Steel EN10111-DD11
   Geomet 321 - PVC grip
4. **BODY - SCREWED CONNECTIONS:** Hot pressed from brass bar: EN 12165 CW617N DW
5. **BALL:** Hot pressed from brass bar:EN 12165 CW617N DW, mirror polished, diamond finished, with **TEA**® coating
6. **BALL GASKETS::** Pure P.T.F.E. conical rings hardness 54-57 Shore D
7. **STEM GASKETS:** 2 HNBR O-rings

HANDLE MARKING

cim® 16G

cim® 17G

DN	Ø mm	CS	CM	MT
1/4"	10	-	-	-
3/8"	10	-	-	-
1/2"	15	3	1,5	24
3/4"	20	4	2	24
1"	25	7	4	26
1"1/4	32	10	5	26
1"1/2	40	16	8	88
2"	50	20	11	88
2"1/2	63	-	-	-
3"	76	-	-	-
4"	100	-	-	-

CS: Starting torque in Nm
CM: Operating torque in Nm
MT: Stem breaking torque in Nm

cim® 16GNF NEW

T16G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 20 - Aluminium lever handle

CODE	SIZE		
16GNF-1015	1/2"	40	160
16GNF-1020	3/4"	25	100
16GNF-1025	1"	16	64
16GNF-1032	1"1/4	10	40
16GNF-1040	1"1/2	6	24
16GNF-1050	2"	4	16

cim® 316GNF NEW

T16G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 20 - Aluminium butterfly handle

CODE	SIZE		
316GNF-1015	1/2"	50	200
316GNF-1020	3/4"	30	120
316GNF-1025	1"	20	80
316GNF-1032	1"1/4	10	40
316GNF-1040	1"1/2	7	28
316GNF-1050	2"	4	16

cim® 17GNF NEW

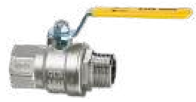
T16G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 20 - Steel lever handle

CODE	SIZE		
17GNF-1015	1/2"	40	160
17GNF-1020	3/4"	25	100
17GNF-1025	1"	16	64
17GNF-1032	1"1/4	10	40
17GNF-1040	1"1/2	6	24
17GNF-1050	2"	4	16

cim® 201-17GNF NEW

T16G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 20 - Steel lever handle

CODE	SIZE		
201-17GNF-1015	1/2"	40	160
201-17GNF-1020	3/4"	25	100
201-17GNF-1025	1"	16	64
201-17GNF-1032	1"1/4	10	40
201-17GNF-1040	1"1/2	6	24
201-17GNF-1050	2"	4	16



cim® 201-16GNF NEW

T16G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 20 - Aluminium lever handle

CODE	SIZE		
201-16GNF-1015	1/2"	40	160
201-16GNF-1020	3/4"	25	100
201-16GNF-1025	1"	16	64
201-16GNF-1032	1"1/4	10	40
201-16GNF-1040	1"1/2	6	24
201-16GNF-1050	2"	4	16

cim® 301-16GNF NEW

T16G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 20 - Aluminium butterfly handle

CODE	SIZE		
301-16GNF-1015	1/2"	50	200
301-16GNF-1020	3/4"	30	120
301-16GNF-1025	1"	20	80
301-16GNF-1032	1"1/4	10	40
301-16GNF-1040	1"1/2	7	28
301-16GNF-1050	2"	4	16

cim® 16G

T16G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 20 - Aluminium lever handle

CODE	SIZE		
16G-1015	1/2"	40	160
16G-1020	3/4"	25	100
16G-1025	1"	16	64
16G-1032	1"1/4	10	40
16G-1040	1"1/2	6	24
16G-1050	2"	4	16

cim® 316G

T16G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 20 - Aluminium butterfly handle

CODE	SIZE		
316G-1015	1/2"	50	200
316G-1020	3/4"	30	120
316G-1025	1"	20	80
316G-1032	1"1/4	10	40
316G-1040	1"1/2	7	28
316G-1050	2"	4	16

cim® 17G

T16G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 20 - Steel lever handle

CODE	SIZE		
17G-1015	1/2"	40	160
17G-1020	3/4"	25	100
17G-1025	1"	16	64
17G-1032	1"1/4	10	40
17G-1040	1"1/2	6	24
17G-1050	2"	4	16

cim® 17-1GNPT

T16G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 20 - Steel lever handle - NPT threading

CODE	SIZE		
17-1GNPT-1008	1/4"	50	200
17-1GNPT-1010	3/8"	50	200
17-1GNPT-1015	1/2"	40	160
17-1GNPT-1020	3/4"	25	100
17-1GNPT-1025	1"	16	64
17-1GNPT-1032	1"1/4	10	40
17-1GNPT-1040	1"1/2	6	24
17-1GNPT-1050	2"	4	16

cim® 16-1GNPT

T16G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 20 - Aluminium lever handle - NPT threading

CODE	SIZE		
16-1GNPT-1008	1/4"	50	200
16-1GNPT-1010	3/8"	50	200
16-1GNPT-1015	1/2"	40	160
16-1GNPT-1020	3/4"	25	100
16-1GNPT-1025	1"	16	64
16-1GNPT-1032	1"1/4	10	40
16-1GNPT-1040	1"1/2	6	24
16-1GNPT-1050	2"	4	16

cim® 316-1GNPT

T16G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 20 - Aluminium butterfly handle - NPT threading

CODE	SIZE		
316-1GNPT-1008	1/4"	50	200
316-1GNPT-1010	3/8"	50	200
316-1GNPT-1015	1/2"	50	200
316-1GNPT-1020	3/4"	30	120
316-1GNPT-1025	1"	20	80
316-1GNPT-1032	1"1/4	10	40
316-1GNPT-1040	1"1/2	7	28
316-1GNPT-1050	2"	4	16

cim® 201-16G

T16G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 20 - Aluminium lever handle

CODE	SIZE		
201-16G-1015	1/2"	40	160
201-16G-1020	3/4"	25	100
201-16G-1025	1"	16	64
201-16G-1032	1"1/4	10	40
201-16G-1040	1"1/2	6	24
201-16G-1050	2"	4	16

cim® 301-16G

T16G series - Gas ball valve EN331 - Full bore - Brass CW617N
DW - MOP 20 - Aluminium butterfly handle

CODE	SIZE		
301-16G-1015	1/2"	50	200
301-16G-1020	3/4"	30	120
301-16G-1025	1"	20	80
301-16G-1032	1"1/4	10	40
301-16G-1040	1"1/2	7	28
301-16G-1050	2"	4	16

cim® 117G

Bracket for measuring device 110 mm with test point and ball valve - MOP 5 - Aluminium butterfly handle

CODE	SIZE		
117G-2130	3/4" x 1"1/4	5	20
117G-2155	1" x 1"1/4	5	20

cim® 117GLD

Bracket for measuring device 110 mm with test point and ball valve - MOP 5 - Aluminium butterfly handle safety and tamper proof with key

CODE	SIZE		
117GLD-2130	3/8" x 1/2"	5	20
117GLD-2155	1/2" x 1/2"	5	20

cim® 12GLD

T12G series - Gas ball valve EN331 - Full bore - Brass CW617N DW - MOP 5 - Aluminium butterfly handle safety and tamper proof with key

CODE	SIZE		
12GLD-1015	1/2"	30	120
12GLD-1020	3/4"	18	72
12GLD-1025	1"	12	48

cim® 16GLD

T16G series - Gas ball valve EN331 - Full bore - Brass CW617N DW - MOP 5 - Aluminium butterfly handle safety and tamper proof with key

CODE	SIZE		
16GLD-1015	1/2"	20	80
16GLD-1020	3/4"	15	60
16GLD-1025	1"	12	48

cim® 954B

Master key

CODE	SIZE		
954B-0000	-	1	50

cim® 954E

Lockable safety handle

CODE	SIZE		
954E-1015	1/2"	20	80
954E-2122	3/4" - 1"	20	80

cim® 12GSI

T12G series - Gas ball valve EN331 - Full bore - Brass CW617N DW - MOP 5 - Aluminium butterfly handle - Lockable handle with automatic open/closed locking device

CODE	SIZE		
12GSI-1015	1/2"	20	80
12GSI-1020	3/4"	15	60
12GSI-1025	1"	10	40

cim® 116G

T12G series - Gas ball valve EN331 - Full bore - Brass CW617N DW - MOP 5 - Aluminium butterfly handle - With swivel nut for meters

CODE	SIZE		
116G-2130	3/4" x 1"1/4	15	60
116G-2155	1" x 1"1/4	20	80

cim® 116GLD

T12G series - Gas ball valve EN331 - Full bore - Brass CW617N DW - MOP 5 - Aluminium butterfly handle safety and tamper proof with key - Female/Swivel nut

CODE	SIZE		
116GLD-2130	3/4" x 1"1/4	8	32
116GLD-2155	1" x 1"1/4	8	32

cim® 410G

T10G series - Gas ball valve EN331 for raiser - Full bore - Brass CW617N DW - MOP 5 - Brass cap

CODE	SIZE		
410G-1020	3/4"	20	80
410G-1025	1"	15	60
410G-1032	1"1/4	10	40
410G-1040	1"1/2	6	24
410G-1050	2"	3	12
410G-1070	2"1/2	2	4
410G-1080	3"	1	2

cim® 411G

T12G series - Gas ball valve EN331 for raiser - Full bore - Brass CW617N DW - MOP 5 - Brass cap

CODE	SIZE		
411G-1020	3/4"	20	80
411G-1025	1"	15	60
411G-1032	1"1/4	10	40
411G-1040	1"1/2	6	24
411G-1050	2"	4	16

cim® 011G

MINI ball valve for gas - Brass CW617N DW - MOP 5 - Nylon 6/6 butterfly handle

CODE	SIZE		
011G-1008	1/4"	50	200
011G-1010	3/8"	50	200
011G-1015	1/2"	50	200

cim® 012G

MINI ball valve for gas - Brass CW617N DW - MOP 5 - Nylon 6/6 lever handle

CODE	SIZE		
012G-1008	1/4"	50	200
012G-1010	3/8"	50	200
012G-1015	1/2"	50	200

cim® 185

Right angle ball bibcock for gas - Brass CW617N DW - MOP 5 - Aluminium butterfly handle - Male/Swivel nut

CODE	SIZE		
185-2102	1/2" x 1/2"	10	40
185-2099	1/2" x 3/4"	10	40

cim® 186

Right angle ball bibcock for gas - Brass CW617N DW - MOP 5 - Aluminium butterfly handle - Female/Swivel nut

CODE	SIZE		
186-2102	1/2" x 1/2"	10	40
186-2099	1/2" x 3/4"	10	40

cim® 187

Ball bibcock for gas - Brass CW617N DW - MOP 5 - Aluminium butterfly handle - Male/Swivel nut

CODE	SIZE		
187-2102	1/2" x 1/2"	10	40
187-2099	1/2" x 3/4"	10	40

cim® 185S

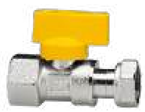
Right angle ball bibcock for gas - Brass CW617N DW - MOP 5 - Aluminium butterfly handle - Male/Swivel nut

CODE	SIZE		
185S-2094	1/2" x 1/2" - Ø9	10	40
185S-2100	1/2" x 3/4" - Ø9	10	40
185S-2103	1/2" x 3/4" - Ø15	10	40
185S-2124	3/4" x 3/4" - Ø15	20	80

cim® 188

Ball bibcock for gas - Brass CW617N DW - MOP 5 - Aluminium butterfly handle - Female/Swivel nut

CODE	SIZE		
188-2102	1/2" x 1/2"	10	40
188-2099	1/2" x 3/4"	10	40



cim® 150

Right angle ball bibcock for gas - Brass CW617N DW - MOP 5 - Aluminium butterfly handle - Male/Hose union

CODE	SIZE		
150-3103	1/2" x 8	50	200
150-3105	1/2" x 10	50	200
150-3108	1/2" x 13	50	200
150-3110	1/2" x 15	50	200

cim® 152

Right angle ball bibcock for gas - Brass CW617N DW - MOP 5 - Aluminium butterfly handle - Female/Hose union

CODE	SIZE		
152-3103	1/2" x 8	50	200
152-3105	1/2" x 10	50	200
152-3108	1/2" x 13	50	200
152-3110	1/2" x 15	50	200

cim® 151

Right angle ball bibcock for gas - Brass CW617N DW - MOP 5 - Aluminium butterfly handle

CODE	SIZE		
151-2077	3/8" x 1/2"	50	200
151-2102	1/2" x 1/2"	50	200

cim® 153

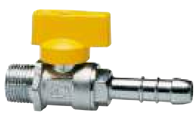
Right angle ball bibcock for gas - Brass CW617N DW - MOP 5 - Aluminium butterfly handle

CODE	SIZE		
153-2077	3/8" x 1/2"	50	200
153-2102	1/2" x 1/2"	50	200

cim® 170

Ball bibcock for gas - Brass CW617N DW - MOP 5 - Aluminium butterfly handle - Male/Hose union

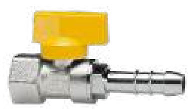
CODE	SIZE		
170-3103	1/2" x 8	50	200
170-3105	1/2" x 10	50	200
170-3108	1/2" x 13	50	200
170-3110	1/2" x 15	50	200



cim® 172

Ball bibcock for gas - Brass CW617N DW - MOP 5 - Aluminium butterfly handle - Female/Hose union

CODE	SIZE		
172-3103	1/2" x 8	50	200
172-3105	1/2" x 10	50	200
172-3108	1/2" x 13	50	200
172-3110	1/2" x 15	50	200



cim® 171

Ball bibcock for gas - Brass CW617N DW - MOP 5 - Aluminium butterfly handle

CODE	SIZE		
171-2077	3/8" x 1/2"	50	200
171-2102	1/2" x 1/2"	50	200

cim® 173

Ball bibcock for gas - Brass CW617N DW - MOP 5 - Aluminium butterfly handle

CODE	SIZE		
173-2077	3/8" x 1/2"	50	200
173-2102	1/2" x 1/2"	50	200

cim® 150PG

Right angle ball bibcock for gas - Brass CW617N DW - MOP 5 - Aluminium butterfly handle 'push and turn' safety - Male/Hose union

CODE	SIZE		
150PG-3103	1/2" x 8	50	200
150PG-3105	1/2" x 10	50	200
150PG-3108	1/2" x 13	50	150
150PG-3110	1/2" x 15	50	200

cim® 152PG

Right angle ball bibcock for gas - Brass CW617N DW - MOP 5 - Aluminium butterfly handle 'push and turn' safety - Female/Hose union

CODE	SIZE		
152PG-3103	1/2" x 8	50	200
152PG-3105	1/2" x 10	50	200
152PG-3108	1/2" x 13	50	200
152PG-3110	1/2" x 15	50	200

cim® 151PG

Right angle ball bibcock for gas - Brass CW617N DW - MOP 5 - Aluminium butterfly handle 'push and turn' safety

CODE	SIZE		
151PG-2077	3/8" x 1/2"	50	200
151PG-2102	1/2" x 1/2"	50	200

cim® 153PG

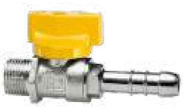
Right angle ball bibcock for gas - Brass CW617N DW - MOP 5 - Aluminium butterfly handle 'push and turn' safety

CODE	SIZE		
153PG-2077	3/8" x 1/2"	50	200
153PG-2102	1/2" x 1/2"	50	200

cim® 170PG

Ball bibcock for gas - Brass CW617N DW - MOP 5 - Aluminium butterfly handle 'push and turn' safety - Male/Hose union

CODE	SIZE		
170PG-3103	1/2" x 8	50	200
170PG-3105	1/2" x 10	50	200
170PG-3108	1/2" x 13	50	200
170PG-3110	1/2" x 15	50	200



cim® 172PG

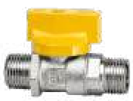
Ball bibcock for gas - Brass CW617N DW - MOP 5 - Aluminium butterfly handle 'push and turn' safety - Female/Hose union

CODE	SIZE		
172PG-3103	1/2" x 8	50	200
172PG-3105	1/2" x 10	50	200
172PG-3108	1/2" x 13	50	200
172PG-3110	1/2" x 15	50	200

cim® 171PG

Ball bibcock for gas - Brass CW617N DW - MOP 5 - Aluminium butterfly handle 'push and turn' safety

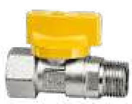
CODE	SIZE		
171PG-2077	3/8" x 1/2"	50	200
171PG-2102	1/2" x 1/2"	50	200



cim® 173PG

Ball bibcock for gas - Brass CW617N DW - MOP 5 - Aluminium butterfly handle 'push and turn' safety

CODE	SIZE		
173PG-2077	3/8" x 1/2"	50	200
173PG-2102	1/2" x 1/2"	50	200



cim® 185PG

Right angle ball bibcock for gas - Brass CW617N DW - MOP 5 - Aluminium butterfly handle 'push and turn' safety

CODE	SIZE		
185PG-2099	1/2" x 3/4"	50	200
185PG-2102	1/2" x 1/2"	50	200

cim® 186PG

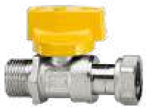
Right angle ball bibcock for gas - Brass CW617N DW - MOP 5 - Aluminium butterfly handle 'push and turn' safety

CODE	SIZE		
186PG-2099	1/2" x 3/4"	50	200
186PG-2102	1/2" x 1/2"	50	200

cim® 187PG

Ball bibcock for gas - Brass CW617N DW - MOP 5 - Aluminium butterfly handle 'push and turn' safety

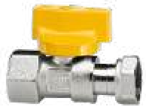
CODE	SIZE		
187PG-2099	1/2" x 3/4"	50	200
187PG-2102	1/2" x 1/2"	50	200



cim® 188PG

Ball bibcock for gas - Brass CW617N DW - MOP 5 - Aluminium butterfly handle 'push and turn' safety

CODE	SIZE		
188PG-2099	1/2" x 3/4"	50	200
188PG-2102	1/2" x 1/2"	10	40



cim® 1001

CIMFAST - Gas ball valve with quick connector and automatic thermal disconnector - Brass CW617N DW - MOP 5 - Aluminium butterfly

CODE	SIZE		
1001-1015	1/2"	15	60
1001-1020	3/4"	10	40
1001-1025	1"	8	32

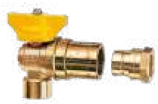
CIMFAST

cim® 1002

CIMFAST - Gas ball valve with quick connector and automatic thermal disconnector - Brass CW617N DW - MOP 5 - Aluminium butterfly

CODE	SIZE		
1002-1020	3/4"	10	40
1002-1025	1"	8	32

CIMFAST



SISMAcim

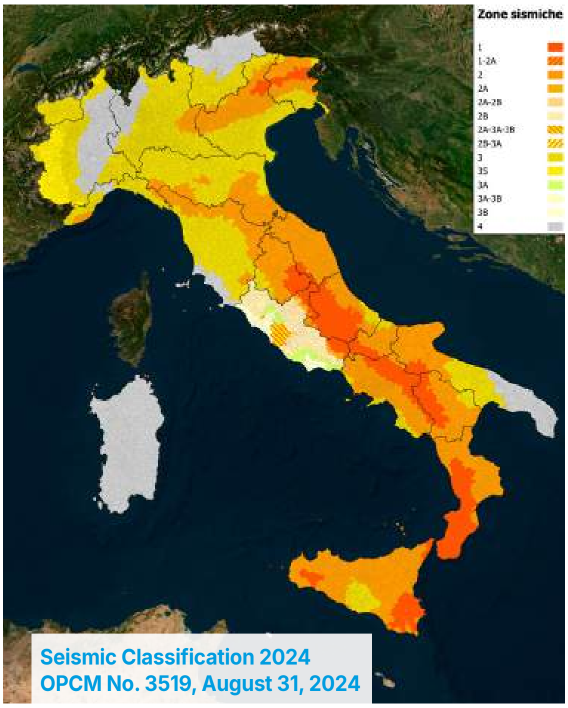
Automatic safety shut-off valves for gas lines in the event of an earthquake

In an attempt to improve precautions against seismic risk, with regard to identification of areas of seismic activity and the technical standards for building in those areas, **Ministers issued Ordinance No. 3274 on March 20, 2003**. This ordinance established that certain technical guidelines, annexed to the decree and developed by industry experts, be used as reference standards. This regulatory framework was later supplemented and expanded by Ministerial Decree of September 14, 2005, known as the Technical Standards for Construction (NTC 2005).

In addition to classifying areas of seismic activity, the document also lays down technical design guidelines - for the evaluation and seismic adaptation of buildings, bridges etc. and the necessary reinforcement work.

Technical Document No. 2 describes the calculation of stress and resistance tests for the structural elements of every type of building structure (reinforced concrete, steel, concrete...) Paragraph 4.10 (General Planning Criteria) focuses its attention on distribution systems with the following ruling for gas systems: **..."gas systems consuming more than 50m3/h should be fitted with automatic safety shut-off valves for use in the event of an earthquake."**

It is a fact that damage caused by the seismic shock of an earthquake is almost always accompanied by fire and explosion, due to gas escaping from fractured pipelines.



Seismic Classification 2024
OPCM No. 3519, August 31, 2024

Installation:

SISMAcim safety valves are available in thread sizes from 3/4″ to 4″ and are designed for vertical installation with the gas flow inlet at the bottom.
Flow direction is indicated by the arrow forged on the valve body.

To ensure correct installation it is essential that the valve is:

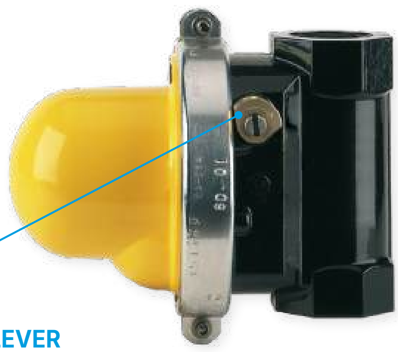
1. Installed using the appropriate level control chain, which should be centred on the check ring when the valve is in the most favourable position.

2. Fixed firmly with a fixing bracket to keep the valve from accidentally triggering.

3. Installed in such a way that the manual resetting mechanism is easily accessible.

LEVEL CONTROL CHAIN

DIRECTIONAL ARROW



MANUAL
RESETTING LEVER

cim® 852

SISMACIM - Antiseismic safety valve Sismacim series - Aluminium - MOP 5 - Vertical installation bottom inlet

CODE	SIZE		
852-1020	3/4"	1	4
852-1025	1"	1	4
852-1032	1"1/4	1	4
852-1040	1"1/2	1	4
852-1050	2"	1	4
852-1070	2"1/2	1	4
852-1080	3"	1	2
852-1100	4"	1	2

SISMACIM

cim® 852H

SISMACIM - Antiseismic safety valve Sismacim series - Aluminium - MOP 5 - Horizontal installation

CODE	SIZE		
852H-1020	3/4"	1	4
852H-1025	1"	1	4
852H-1032	1"1/4	1	4
852H-1040	1"1/2	1	4
852H-1050	2"	1	4
852H-1070	2"1/2	1	4
852H-1080	3"	1	2
852H-1100	4"	1	2

SISMACIM

cim® 852F

SISMACIM - Antiseismic safety valve Sismacim series - Aluminium - MOP 5 - Vertical installation bottom inlet - Flanged ANSI 150

CODE	SIZE		
852F-3229	2" x 50	1	4
852F-3280	2"1/2 × 65	1	2
852F-3309	3" x 80	1	2
852F-3359	4" x 100	1	2
852F-3409	6" x 150	1	1
852F-3451	8" x 200	-	1

SISMACIM

cim® 852FH

SISMACIM - Antiseismic safety valve Sismacim series - Aluminium - MOP 5 - Horizontal installation - Flanged ANSI 150

CODE	SIZE		
852FH-3229	2" x 50	1	4
852FH-3280	2"1/2 × 65	1	4
852FH-3309	3" x 80	1	2
852FH-3359	4" x 100	1	2
852FH-3409	6" x 150	-	1
852FH-3451	8" x 200	-	1

SISMACIM

cim® 855

SISMACIM - Antiseismic circuit breaker Simacim series - Aluminium - Horizontal installation

CODE	SIZE		
855-0000	-	1	4

SISMACIM

Chapter 10

Valve assortment

cimberio®

technological **valve** solutions

cim® 70B

Gate valve - Brass CW617N DW - PN 20 - Aluminium hand wheel

CODE	SIZE		
70B-1008	1/4"	50	100
70B-1010	3/8"	50	100
70B-1015	1/2"	35	140
70B-1020	3/4"	25	100
70B-1025	1"	16	64
70B-1032	1"1/4	10	40
70B-1040	1"1/2	8	32
70B-1050	2"	5	20
70B-1070	2"1/2	2	12
70B-1080	3"	2	8
70B-1100	4"	2	4
70B-1125	5"	-	2
70B-1150	6"	-	2

cim® 70BS

Gate valve - Brass CW617N DW - PN 25 - Aluminium hand wheel

CODE	SIZE		
70BS-1008	1/4"	50	100
70BS-1010	3/8"	50	100
70BS-1015	1/2"	20	40
70BS-1020	3/4"	16	32
70BS-1025	1"	12	24
70BS-1032	1"1/4	8	16
70BS-1040	1"1/2	5	10
70BS-1050	2"	5	10
70BS-1070	2"1/2	2	8
70BS-1080	3"	2	4
70BS-1100	4"	1	2

cim® 70BSCR

Gate valve - Brass CW625N DW - PN 25 - Aluminium hand wheel

CODE	SIZE		
70BSCR-1015	1/2"	20	40
70BSCR-1020	3/4"	16	32
70BSCR-1025	1"	12	24
70BSCR-1032	1"1/4	8	16
70BSCR-1040	1"1/2	5	10
70BSCR-1050	2"	5	10

cim® 50

Gate valve - Brass CW617N DW - PN 16 - Aluminium hand wheel

CODE	SIZE		
50-1015	1/2"	40	160
50-1020	3/4"	35	140
50-1025	1"	25	100
50-1032	1"1/4	16	64
50-1040	1"1/2	10	40
50-1050	2"	10	20
50-1070	2"1/2	2	12
50-1080	3"	2	8
50-1100	4"	2	4

cim® 70NPT

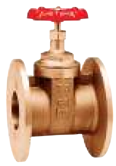
Gate valve - Brass CW617N DW - PN 20 - Aluminium hand wheel - NPT threading

CODE	SIZE		
70NPT-1008	1/4"	50	100
70NPT-1010	3/8"	50	100
70NPT-1015	1/2"	35	140
70NPT-1020	3/4"	25	100
70NPT-1025	1"	16	64
70NPT-1032	1"1/4	10	40
70NPT-1040	1"1/2	8	32
70NPT-1050	2"	5	20
70NPT-1070	2"1/2	2	12
70NPT-1080	3"	2	8
70NPT-1100	4"	2	4
70NPT-1125	5"	1	2
70NPT-1150	6"	-	2

cim® 72FPN6

Flanged gate valve - Bronze CC491K - PN 16 - Aluminium hand wheel - Non drilled flanges PN 6

CODE	SIZE		
72FPN6-3110	1/2" x 15	5	20
72FPN6-3135	3/4" x 20	4	16
72FPN6-3157	1" x 25	4	16
72FPN6-3179	1"1/4 x 32	2	8
72FPN6-3204	1"1/2 x 40	2	8
72FPN6-3229	2" x 50	2	4
72FPN6-3255	2"1/4 x 60	1	2
72FPN6-3284	2" x 70	1	2
72FPN6-3309	3" x 80	1	2
72FPN6-3359	4" x 100	-	2
72FPN6-3384	5" x 125	-	1
72FPN6-3409	6" x 150	-	1



cim® 72FDPN6

Flanged gate valve - Bronze CC491K - PN 16 - Aluminium hand wheel - Drilled flanges PN 6

CODE	SIZE		
72FDPN6-3110	1/2" x 15	5	20
72FDPN6-3135	3/4" x 20	4	16
72FDPN6-3157	1" x 25	4	16
72FDPN6-3179	1"1/4 × 32	2	8
72FDPN6-3204	1"1/2 × 40	2	8
72FDPN6-3229	2" x 50	2	4
72FDPN6-3255	2"1/4 × 60	1	2
72FDPN6-3284	2" x 70	1	2
72FDPN6-3309	3" x 80	1	2
72FDPN6-3359	4" x 100	-	2
72FDPN6-3384	5" x 125	-	1
72FDPN6-3409	6" x 150	-	1

cim® 72FPN10

Flanged gate valve - Bronze CC491K - PN 16 - Aluminium hand wheel - Non drilled flanges PN 10

CODE	SIZE		
72FPN10-3110	1/2" x 15	5	20
72FPN10-3135	3/4" x 20	4	16
72FPN10-3157	1" x 25	4	16
72FPN10-3179	1"1/4 × 32	2	8
72FPN10-3204	1"1/2 × 40	2	8
72FPN10-3229	2" x 50	2	4
72FPN10-3255	2"1/4 × 60	1	2
72FPN10-3284	2" x 70	1	2
72FPN10-3309	3" x 80	1	2
72FPN10-3359	4" x 100	-	2
72FPN10-3384	5" x 125	-	1
72FPN10-3409	6" x 150	-	1

cim® 72FDPN10

Flanged gate valve - Bronze CC491K - PN 16 - Aluminium hand wheel - Drilled flanges PN 10

CODE	SIZE		
72FDPN10-3110	1/2" x 15	5	20
72FDPN10-3135	3/4" x 20	4	16
72FDPN10-3157	1" x 25	4	16
72FDPN10-3179	1"1/4 × 32	2	8
72FDPN10-3204	1"1/2 × 40	2	8
72FDPN10-3229	2" x 50	2	4
72FDPN10-3255	2"1/4 × 60	1	2
72FDPN10-3284	2" x 70	1	2
72FDPN10-3309	3" x 80	1	2
72FDPN10-3359	4" x 100	-	2
72FDPN10-3384	5" x 125	-	1
72FDPN10-3409	6" x 150	-	1

cim® 72FPN16

Flanged gate valve - Bronze CC491K - PN 16 - Aluminium hand wheel - Non drilled flanges PN 16

CODE	SIZE		
72FPN16-3110	1/2" x 15	5	20
72FPN16-3135	3/4" x 20	4	16
72FPN16-3157	1" x 25	4	16
72FPN16-3179	1"1/4 × 32	2	8
72FPN16-3204	1"1/2 × 40	2	8
72FPN16-3229	2" x 50	2	4
72FPN16-3255	2"1/4 × 60	1	2
72FPN16-3284	2" x 70	1	2
72FPN16-3309	3" x 80	1	2
72FPN16-3359	4" x 100	-	2
72FPN16-3384	5" x 125	-	1
72FPN16-3409	6" x 150	-	1

cim® 72FDPN16

Flanged gate valve - Bronze CC491K - PN 16 - Aluminium hand wheel - Drilled flanges PN 16

CODE	SIZE		
72FDPN16-3110	1/2" x 15	4	16
72FDPN16-3135	3/4" x 20	4	16
72FDPN16-3157	1" x 25	4	16
72FDPN16-3179	1"1/4 × 32	2	8
72FDPN16-3204	1"1/2 × 40	2	8
72FDPN16-3229	2" x 50	2	4
72FDPN16-3255	2"1/4 × 60	1	2
72FDPN16-3284	2" x 70	1	2
72FDPN16-3309	3" x 80	-	-
72FDPN16-3359	4" x 100	-	2
72FDPN16-3384	5" x 125	-	1
72FDPN16-3409	6" x 150	-	1

cim® 75

Globe valve - Bronze CC491K - PN 16 - Aluminium hand wheel - Metal seat

CODE	SIZE		
75-1015	1/2"	35	140
75-1020	3/4"	25	100
75-1025	1"	16	64
75-1032	1"1/4	8	32
75-1040	1"1/2	6	24
75-1050	2"	4	16
75-1070	2"1/2	2	6
75-1080	3"	1	4
75-1100	4"	1	2

cim® 75L

Globe valve - Brass CW617N DW - PN 10 - Aluminium hand wheel - Metal seat

CODE	SIZE		
75L-1015	1/2"	35	140
75L-1020	3/4"	25	100
75L-1025	1"	16	64
75L-1032	1"1/4	8	32
75L-1040	1"1/2	6	24
75L-1050	2"	4	16
75L-1070	2"1/2	-	-
75L-1080	3"	-	-
75L-1100	4"	-	-

cim® 81

Globe valve - Bronze CC491K - PN 20 - Aluminium hand wheel - P.T.F.E. seat

CODE	SIZE		
81-1010	3/8"	30	120
81-1015	1/2"	25	100
81-1020	3/4"	18	72
81-1025	1"	10	40
81-1032	1"1/4	8	32
81-1040	1"1/2	4	16
81-1050	2"	2	8

cim® 81L

Globe valve - Bronze CC491K - PN 16 - Aluminium hand wheel - P.T.F.E. seat

CODE	SIZE		
81L-1015	1/2"	35	140
81L-1020	3/4"	25	100
81L-1025	1"	16	64
81L-1032	1"1/4	8	32
81L-1040	1"1/2	6	24
81L-1050	2"	4	16
81L-1070	2"1/2	2	6
81L-1080	3"	1	4
81L-1100	4"	1	2

cim® 76PN6

Flanged globe valve - Bronze CC491K - PN 16 - Aluminium hand wheel - Metal seat - Non drilled flanges PN 6

CODE	SIZE		
76PN6-3110	1/2" x 15	5	20
76PN6-3135	3/4" x 20	4	16
76PN6-3157	1" x 25	3	12
76PN6-3179	1"1/4 × 32	2	8
76PN6-3204	1"1/2 × 40	2	4
76PN6-3229	2" x 50	2	4
76PN6-3284	2"1/2 × 70	1	2
76PN6-3309	3" x 80	1	2
76PN6-3359	4" x 100	1	2

cim® 76DPN6

Flanged globe valve - Bronze CC491K - PN 16 - Aluminium hand wheel - Metal seat - Drilled flanges PN 6

CODE	SIZE		
76DPN6-3110	1/2" x 15	5	20
76DPN6-3135	3/4" x 20	4	16
76DPN6-3157	1" x 25	3	12
76DPN6-3179	1"1/4 × 32	2	8
76DPN6-3204	1"1/2 × 40	2	4
76DPN6-3229	2" x 50	2	4
76DPN6-3284	2"1/2 × 70	1	2
76DPN6-3309	3" x 80	1	2
76DPN6-3359	4" x 100	1	2

cim® 76PN10

Flanged globe valve - Bronze CC491K - PN 16 - Aluminium hand wheel - Metal seat - Non drilled flanges PN 10

CODE	SIZE		
76PN10-3110	1/2" x 15	5	20
76PN10-3135	3/4" x 20	4	16
76PN10-3157	1" x 25	3	12
76PN10-3179	1"1/4 × 32	2	8
76PN10-3204	1"1/2 × 40	2	4
76PN10-3229	2" x 50	2	4
76PN10-3284	2"1/2 × 70	1	2
76PN10-3309	3" x 80	1	2
76PN10-3359	4" x 100	1	2

cim® 76DPN10

Flanged globe valve - Bronze CC491K - PN 16 - Aluminium hand wheel - Metal seat - Drilled flanges PN 10

CODE	SIZE		
76DPN10-3110	1/2" x 15	5	20
76DPN10-3135	3/4" x 20	4	16
76DPN10-3157	1" x 25	3	12
76DPN10-3179	1"1/4 × 32	2	8
76DPN10-3204	1"1/2 × 40	2	4
76DPN10-3229	2" x 50	2	4
76DPN10-3284	2"1/2 × 70	1	2
76DPN10-3309	3" x 80	1	2
76DPN10-3359	4" x 100	1	2

cim® 76PN16

Flanged globe valve - Bronze CC491K - PN 16 - Aluminium hand wheel - Metal seat - Non drilled flanges PN 16

CODE	SIZE		
76PN16-3110	1/2" x 15	5	20
76PN16-3135	3/4" x 20	4	16
76PN16-3157	1" x 25	3	12
76PN16-3179	1"1/4 × 32	2	8
76PN16-3204	1"1/2 × 40	2	4
76PN16-3229	2" x 50	2	4
76PN16-3284	2"1/2 × 70	1	2
76PN16-3309	3" x 80	1	2
76PN16-3359	4" x 100	1	2

cim® 76DPN16

Flanged globe valve - Bronze CC491K - PN 16 - Aluminium hand wheel - Metal seat - Drilled flanges PN 16

CODE	SIZE		
76DPN16-3110	1/2" x 15	5	20
76DPN16-3135	3/4" x 20	4	16
76DPN16-3157	1" x 25	3	12
76DPN16-3179	1"1/4 × 32	2	8
76DPN16-3204	1"1/2 × 40	2	4
76DPN16-3229	2" x 50	2	4
76DPN16-3284	2"1/2 × 70	1	2
76DPN16-3309	3" x 80	1	2
76DPN16-3359	4" x 100	1	2

cim® 82DPN6

Flanged globe valve - Bronze CC491K - PN 16 - Aluminium hand wheel - P.T.F.E. seat - Drilled flanges PN 6

CODE	SIZE		
82DPN6-3110	1/2" x 15	5	20
82DPN6-3135	3/4" x 20	4	16
82DPN6-3157	1" x 25	4	12
82DPN6-3179	1"1/4 × 32	2	8
82DPN6-3204	1"1/2 × 40	2	4
82DPN6-3229	2" x 50	2	4
82DPN6-3284	2"1/2 × 70	1	2
82DPN6-3309	3" x 80	1	2
82DPN6-3359	4" x 100	1	2

cim® 82DPN10

Flanged globe valve - Bronze CC491K - PN 16 - Aluminium hand wheel - P.T.F.E. seat - Drilled flanges PN 10

CODE	SIZE		
82DPN10-3110	1/2" x 15	5	20
82DPN10-3135	3/4" x 20	4	16
82DPN10-3157	1" x 25	4	12
82DPN10-3179	1"1/4 × 32	2	8
82DPN10-3204	1"1/2 × 40	2	4
82DPN10-3229	2" x 50	2	4
82DPN10-3284	2"1/2 × 70	1	2
82DPN10-3309	3" x 80	1	2
82DPN10-3359	4" x 100	1	2

cim® 82DPN16

Flanged globe valve - Bronze CC491K - PN 16 - Aluminium hand wheel - P.T.F.E. seat - Drilled flanges PN 16

CODE	SIZE		
82DPN16-3110	1/2" x 15	5	20
82DPN16-3135	3/4" x 20	4	16
82DPN16-3157	1" x 25	4	12
82DPN16-3179	1"1/4 × 32	2	8
82DPN16-3204	1"1/2 × 40	2	4
82DPN16-3229	2" x 50	2	4
82DPN16-3284	2"1/2 × 70	1	2
82DPN16-3309	3" x 80	1	2
82DPN16-3359	4" x 100	1	2

cim® 82PN6

Flanged globe valve - Bronze CC491K - PN 16 - Aluminium hand wheel - P.T.F.E. seat - Non drilled flanges PN 6

CODE	SIZE		
82PN6-3110	1/2" x 15	5	20
82PN6-3135	3/4" x 20	4	16
82PN6-3157	1" x 25	4	12
82PN6-3179	1"1/4 × 32	2	8
82PN6-3204	1"1/2 × 40	2	4
82PN6-3229	2" x 50	2	4
82PN6-3284	2"1/2 × 70	1	2
82PN6-3309	3" x 80	1	2
82PN6-3359	4" x 100	1	2

cim® 82PN10

Flanged globe valve - Bronze CC491K - PN 16 - Aluminium hand wheel - P.T.F.E. seat - Non drilled flanges PN 10

CODE	SIZE		
82PN10-3110	1/2" x 15	5	20
82PN10-3135	3/4" x 20	4	16
82PN10-3157	1" x 25	4	12
82PN10-3179	1"1/4 × 32	2	8
82PN10-3204	1"1/2 × 40	2	4
82PN10-3229	2" x 50	2	4
82PN10-3284	2"1/2 × 70	1	2
82PN10-3309	3" x 80	1	2
82PN10-3359	4" x 100	1	2

cim® 82PN16

Flanged globe valve - Bronze CC491K - PN 16 - Aluminium hand wheel - P.T.F.E. seat - Non drilled flanges PN 16

CODE	SIZE		
82PN16-3110	1/2" x 15	5	20
82PN16-3135	3/4" x 20	4	16
82PN16-3157	1" x 25	4	12
82PN16-3179	1"1/4 × 32	2	8
82PN16-3204	1"1/2 × 40	2	4
82PN16-3229	2" x 50	2	4
82PN16-3284	2"1/2 × 70	1	2
82PN16-3309	3" x 80	1	2
82PN16-3359	4" x 100	1	2

cim® 78

Check valve - Bronze CC491K - PN 16 - Metal seat

CODE	SIZE		
78-1010	3/8"	50	200
78-1015	1/2"	50	200
78-1020	3/4"	40	160
78-1025	1"	30	120
78-1032	1"1/4	15	60
78-1040	1"1/2	12	48
78-1050	2"	6	24
78-1070	2"1/2	4	12
78-1080	3"	2	8
78-1100	4"	1	4

cim® 79A
Check valve - Bronze CC491K - PN 16 - P.T.F.E. seat

CODE	SIZE		
79A-1010	3/8"	50	200
79A-1015	1/2"	50	200
79A-1020	3/4"	25	100
79A-1025	1"	15	60
79A-1032	1"1/4	12	48
79A-1040	1"1/2	6	24
79A-1050	2"	4	16
79A-1070	2"1/2	4	12
79A-1080	3"	2	8
79A-1100	4"	1	4

cim® 77PN6
Flanged check valve - Bronze CC491K - PN 16 - Metal seat - Non drilled flanges PN 6

CODE	SIZE		
77PN6-3110	1/2" x 15	5	20
77PN6-3135	3/4" x 20	4	16
77PN6-3157	1" x 25	4	16
77PN6-3179	1"1/4 × 32	2	8
77PN6-3204	1"1/2 × 40	2	4
77PN6-3229	2" x 50	2	4
77PN6-3284	2"1/2 × 70	1	2
77PN6-3309	3" x 80	1	2
77PN6-3359	4" x 100	-	2

cim® 77DPN6
Flanged check valve - Bronze CC491K - PN 16 - Metal seat - Drilled flanges PN 6

CODE	SIZE		
77DPN6-3110	1/2" x 15	5	20
77DPN6-3135	3/4" x 20	4	16
77DPN6-3157	1" x 25	4	16
77DPN6-3179	1"1/4 × 32	2	8
77DPN6-3204	1"1/2 × 40	2	4
77DPN6-3229	2" x 50	2	4
77DPN6-3284	2"1/2 × 70	1	2
77DPN6-3309	3" x 80	1	2
77DPN6-3359	4" x 100	-	2

cim® 77PN10
Flanged check valve - Bronze CC491K - PN 16 - Metal seat - Non drilled flanges PN 10

CODE	SIZE		
77PN10-3110	1/2" x 15	5	20
77PN10-3135	3/4" x 20	4	16
77PN10-3157	1" x 25	4	16
77PN10-3179	1"1/4 × 32	2	8
77PN10-3204	1"1/2 × 40	2	4
77PN10-3229	2" x 50	2	4
77PN10-3284	2"1/2 × 70	1	2
77PN10-3309	3" x 80	1	2
77PN10-3359	4" x 100	-	2

cim® 77DPN10
Flanged check valve - Bronze CC491K - PN 16 - Metal seat - Drilled flanges PN 10

CODE	SIZE		
77DPN10-3110	1/2" x 15	5	20
77DPN10-3135	3/4" x 20	4	16
77DPN10-3157	1" x 25	4	16
77DPN10-3179	1"1/4 × 32	2	8
77DPN10-3204	1"1/2 × 40	2	4
77DPN10-3229	2" x 50	2	4
77DPN10-3284	2"1/2 × 70	1	2
77DPN10-3309	3" x 80	1	2
77DPN10-3359	4" x 100	-	2

cim® 77PN16
Flanged check valve - Bronze CC491K - PN 16 - Metal seat - Non drilled flanges PN 16

CODE	SIZE		
77PN16-3110	1/2" x 15	5	20
77PN16-3135	3/4" x 20	4	16
77PN16-3157	1" x 25	4	16
77PN16-3179	1"1/4 × 32	2	8
77PN16-3204	1"1/2 × 40	2	4
77PN16-3229	2" x 50	2	4
77PN16-3284	2"1/2 × 70	1	2
77PN16-3309	3" x 80	1	2
77PN16-3359	4" x 100	-	2

cim® 77DPN16
Flanged check valve - Bronze CC491K - PN 16 - Metal seat - Drilled flanges PN 16

CODE	SIZE		
77DPN16-3110	1/2" x 15	5	20
77DPN16-3135	3/4" x 20	4	16
77DPN16-3157	1" x 25	4	16
77DPN16-3179	1"1/4 × 32	2	8
77DPN16-3204	1"1/2 × 40	2	4
77DPN16-3229	2" x 50	2	4
77DPN16-3284	2"1/2 × 70	1	2
77DPN16-3309	3" x 80	1	2
77DPN16-3359	4" x 100	-	2

cim® 79PN6
Flanged check valve - Bronze CC491K - PN 16 - P.T.F.E. seat - Non drilled flanges PN 6

CODE	SIZE		
79PN6-3110	1/2" x 15	5	20
79PN6-3135	3/4" x 20	4	16
79PN6-3157	1" x 25	4	16
79PN6-3179	1"1/4 × 32	2	8
79PN6-3204	1"1/2 × 40	2	4
79PN6-3229	2" x 50	2	4
79PN6-3284	2"1/2 × 70	1	2
79PN6-3309	3" x 80	1	2
79PN6-3359	4" x 100	-	2

cim® 79DPN6

Flanged check valve - Bronze CC491K - PN 16 - P.T.F.E. seat - Drilled flanges PN 6

CODE	SIZE		
79DPN6-3110	1/2" x 15	5	20
79DPN6-3135	3/4" x 20	4	16
79DPN6-3157	1" x 25	4	16
79DPN6-3179	1"1/4 × 32	2	8
79DPN6-3204	1"1/2 × 40	2	4
79DPN6-3229	2" x 50	2	4
79DPN6-3284	2"1/2 × 70	1	2
79DPN6-3309	3" x 80	1	2
79DPN6-3359	4" x 100	-	2

cim® 79PN10

Flanged check valve - Bronze CC491K - PN 16 - P.T.F.E. seat - Non drilled flanges PN 10

CODE	SIZE		
79PN10-3110	1/2" x 15	5	20
79PN10-3135	3/4" x 20	4	16
79PN10-3157	1" x 25	4	16
79PN10-3179	1"1/4 × 32	2	8
79PN10-3204	1"1/2 × 40	2	4
79PN10-3229	2" x 50	2	4
79PN10-3284	2"1/2 × 70	1	2
79PN10-3309	3" x 80	1	2
79PN10-3359	4" x 100	-	2

cim® 79DPN10

Flanged check valve - Bronze CC491K - PN 16 - P.T.F.E. seat - Drilled flanges PN 10

CODE	SIZE		
79DPN10-3110	1/2" x 15	5	20
79DPN10-3135	3/4" x 20	4	16
79DPN10-3157	1" x 25	4	16
79DPN10-3179	1"1/4 × 32	2	8
79DPN10-3204	1"1/2 × 40	2	4
79DPN10-3229	2" x 50	2	4
79DPN10-3284	2"1/2 × 70	1	2
79DPN10-3309	3" x 80	1	2
79DPN10-3359	4" x 100	-	2

cim® 79PN16

Flanged check valve - Bronze CC491K - PN 16 - P.T.F.E. seat - Non drilled flanges PN 16

CODE	SIZE		
79PN16-3110	1/2" x 15	5	20
79PN16-3135	3/4" x 20	4	16
79PN16-3157	1" x 25	4	16
79PN16-3179	1"1/4 × 32	2	8
79PN16-3204	1"1/2 × 40	2	4
79PN16-3229	2" x 50	2	4
79PN16-3284	2"1/2 × 70	1	2
79PN16-3309	3" x 80	1	2
79PN16-3359	4" x 100	-	2

cim® 79DPN16

Flanged check valve - Bronze CC491K - PN 16 - P.T.F.E. seat - Drilled flanges PN 16

CODE	SIZE		
79DPN16-3110	1/2" x 15	5	20
79DPN16-3135	3/4" x 20	4	16
79DPN16-3157	1" x 25	4	16
79DPN16-3179	1"1/4 × 32	2	8
79DPN16-3204	1"1/2 × 40	2	4
79DPN16-3229	2" x 50	2	4
79DPN16-3284	2"1/2 × 70	1	2
79DPN16-3309	3" x 80	1	2
79DPN16-3359	4" x 100	-	2

cim® 80

Swing check valve - Brass CW617N DW - PN 20 - Metal seat

CODE	SIZE		
80-1015	1/2"	50	200
80-1020	3/4"	25	100
80-1025	1"	20	80
80-1032	1"1/4	12	48
80-1040	1"1/2	10	40
80-1050	2"	5	20
80-1070	2"1/2	4	16
80-1080	3"	2	8
80-1100	4"	2	4

cim® 80A

Swing check valve - Brass CW617N DW - PN 20 - EPDM seat

CODE	SIZE		
80A-1015	1/2"	50	200
80A-1020	3/4"	25	100
80A-1025	1"	20	80
80A-1032	1"1/4	12	48
80A-1040	1"1/2	10	40
80A-1050	2"	5	20
80A-1070	2"1/2	4	16
80A-1080	3"	2	8
80A-1100	4"	2	4

cim® 95

Filtering foot valve - Brass CC7545 - PN 16 - DN 5" and 6" Bronze CC491K

CODE	SIZE		
95-1015	1/2"	50	200
95-1020	3/4"	40	160
95-1025	1"	24	96
95-1032	1"1/4	15	60
95-1040	1"1/2	12	48
95-1050	2"	7	28
95-1070	2"1/2	3	12
95-1080	3"	2	8
95-1100	4"	2	4
95-1125	5"	1	2
95-1150	6"	-	1

cim® 95A

Filtering foot check valve - Brass CW617N DW - PN 16 - INOX filter (1/2" ÷ 1"1/2) - Brass filter (2" ÷ 4")

CODE	SIZE		
95A-1015	1/2"	50	200
95A-1020	3/4"	50	200
95A-1025	1"	30	120
95A-1032	1"1/4	15	60
95A-1040	1"1/2	10	40
95A-1050	2"	7	28
95A-1070	2"1/2	2	12
95A-1080	3"	2	12
95A-1100	4"	2	4

cim® 30

Spring loaded check valve - Brass CW617N DW - PN 20

CODE	SIZE		
30-1010	3/8"	50	200
30-1015	1/2"	50	200
30-1020	3/4"	25	100
30-1025	1"	20	80
30-1032	1"1/4	12	48
30-1040	1"1/2	8	32
30-1050	2"	5	20
30-1070	2"1/2	4	12
30-1080	3"	3	6
30-1100	4"	2	4

cim® 30DK

Spring loaded check valve for hydrocarbons - Brass CW617N DW - PN 20

CODE	SIZE		
30DK-1010	3/8"	50	200
30DK-1015	1/2"	50	200
30DK-1020	3/4"	25	100
30DK-1025	1"	20	80
30DK-1032	1"1/4	12	48
30DK-1040	1"1/2	8	32
30DK-1050	2"	5	20
30DK-1070	2"1/2	4	12
30DK-1080	3"	3	6
30DK-1100	4"	2	4

cim® 30VA

Spring loaded check valve for steam 4 Bar - 150°C - Brass CW617N DW

CODE	SIZE		
30VA-1010	3/8"	50	200
30VA-1015	1/2"	50	200
30VA-1020	3/4"	25	100
30VA-1025	1"	20	80
30VA-1032	1"1/4	12	48
30VA-1040	1"1/2	8	32
30VA-1050	2"	5	20
30VA-1070	2"1/2	4	12
30VA-1080	3"	3	6
30VA-1100	4"	2	4

cim® 30CRNL

Spring loaded check valve - Brass CW511L - PN 20

CODE	SIZE		
30CRNL-1010	3/8"	50	100
30CRNL-1015	1/2"	50	100
30CRNL-1020	3/4"	25	50
30CRNL-1025	1"	20	40
30CRNL-1032	1"1/4	12	24
30CRNL-1040	1"1/2	8	16
30CRNL-1050	2"	5	10

cim® 30A

Stainless steel filter foot valve - Brass CW617N DW - PN 20

CODE	SIZE		
30A-1015	1/2"	20	80
30A-1020	3/4"	12	48
30A-1025	1"	8	32
30A-1032	1"1/4	8	32
30A-1040	1"1/2	5	20
30A-1050	2"	2	8
30A-1070	2"1/2	2	8
30A-1080	3"	2	4
30A-1100	4"	1	2

cim® 30ACRNL

Stainless steel filter foot valve - Brass CW511L - PN 20

CODE	SIZE		
30ACRNL-1015	1/2"	20	80
30ACRNL-1020	3/4"	12	48
30ACRNL-1025	1"	8	32
30ACRNL-1032	1"1/4	8	32
30ACRNL-1040	1"1/2	5	20
30ACRNL-1050	2"	2	8

cim® 32

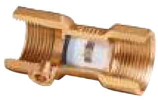
Check valve - Brass CW617N DW - PN 16

CODE	SIZE		
32-1015	1/2"	50	200
32-1020	3/4"	50	200
32-1025	1"	25	100
32-1032	1"1/4	15	60
32-1040	1"1/2	15	30
32-1050	2"	10	40

cim® 33CREA

Check valve with test point - Brass CW625N DW - PN 16

CODE	SIZE		
33CREA-1015	1/2"	40	160
33CREA-1020	3/4"	24	96
33CREA-1025	1"	20	80
33CREA-1032	1"1/4	20	80
33CREA-1040	1"1/2	15	60
33CREA-1050	2"	10	40



cim® 33CREARB

Check valve with test point - Brass CW625N DW - PN 16 - Compression/Compression

CODE	SIZE		
33CREARB-5015	15 X 15	25	100
33CREARB-5022	22 X 22	20	80
33CREARB-5028	28 X 28	12	48

cim® 233EA

Check valve with double test point - Brass CW625N DW - PN 16

CODE	SIZE		
233EA-2128	3/4" x 3/4"	20	80

cim® 74ACRNL

Oblique strainer - Brass CW511L - PN 20 - Filter mesh Ø 0,65 mm

CODE	SIZE		
74ACRNL-1010	3/8"	50	200
74ACRNL-1015	1/2"	50	200
74ACRNL-1020	3/4"	30	120
74ACRNL-1025	1"	20	80
74ACRNL-1032	1"1/4	12	48
74ACRNL-1040	1"1/2	10	40
74ACRNL-1050	2"	4	16
74ACRNL-1070	2"1/2	4	8
74ACRNL-1080	3"	1	6
74ACRNL-1100	4"	1	2

cim® 74AGCRNL

Oblique strainer - Brass CW511L - PN 20 - Filter mesh Ø 0,25 mm

CODE	SIZE		
74AGCRNL-1010	3/8"	50	200
74AGCRNL-1015	1/2"	50	200
74AGCRNL-1020	3/4"	30	120
74AGCRNL-1025	1"	20	80
74AGCRNL-1032	1"1/4	12	48
74AGCRNL-1040	1"1/2	10	40
74AGCRNL-1050	2"	4	16

cim® 74ACR

Oblique strainer - Brass C760 - PN 20 - Filter mesh Ø 0,65 mm

CODE	SIZE		
74ACR-1015	1/2"	50	200
74ACR-1020	3/4"	30	120
74ACR-1025	1"	20	80
74ACR-1032	1"1/4	10	40
74ACR-1040	1"1/2	8	32
74ACR-1050	2"	4	16

cim® 74AGCR

Oblique strainer - Brass C760 - PN 20 - Filter mesh Ø 0,25 mm

CODE	SIZE		
74AGCR-1010	3/8"	50	200
74AGCR-1015	1/2"	50	200
74AGCR-1020	3/4"	30	120
74AGCR-1025	1"	20	80
74AGCR-1032	1"1/4	12	48
74AGCR-1040	1"1/2	10	40
74AGCR-1050	2"	4	16

cim® 74AOT

Oblique strainer - Brass CW617N DW - PN 20 - Filter mesh Ø 0,65 mm

CODE	SIZE		
74AOT-1015	1/2"	50	200
74AOT-1020	3/4"	30	120
74AOT-1025	1"	20	80
74AOT-1032	1"1/4	12	48
74AOT-1040	1"1/2	10	40
74AOT-1050	2"	4	16

cim® 74AGOT

Oblique strainer - Brass CW617N DW - PN 20 - Filter mesh Ø 0,25 mm

CODE	SIZE		
74AGOT-1015	1/2"	50	200
74AGOT-1020	3/4"	30	120
74AGOT-1025	1"	20	80
74AGOT-1032	1"1/4	12	48
74AGOT-1040	1"1/2	10	40
74AGOT-1050	2"	4	16

cim® 74ACRNL1

Oblique strainer with drain plug - Brass CW511L - PN 20 - Filter mesh Ø 0,65 mm

CODE	SIZE		
74ACRNL1-1015	1/2"	50	200
74ACRNL1-1020	3/4"	30	120
74ACRNL1-1025	1"	20	80
74ACRNL1-1032	1"1/4	12	48
74ACRNL1-1040	1"1/2	10	40
74ACRNL1-1050	2"	4	16

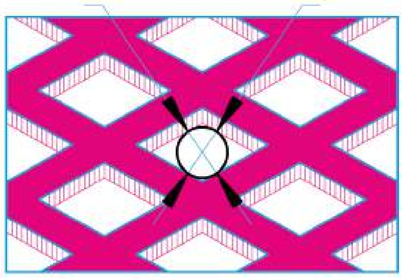
cim® 74ACRNL2

Oblique strainer with drain valve - Brass CW511L - PN 20 - Filter mesh Ø 0,65 mm

CODE	SIZE		
74ACRNL2-1015	1/2"	30	120
74ACRNL2-1020	3/4"	20	80
74ACRNL2-1025	1"	12	48
74ACRNL2-1032	1"1/4	8	32
74ACRNL2-1040	1"1/2	6	24
74ACRNL2-1050	2"	2	8

F=0,65 mm F=650 μm

F=0,25 mm F=250 μm

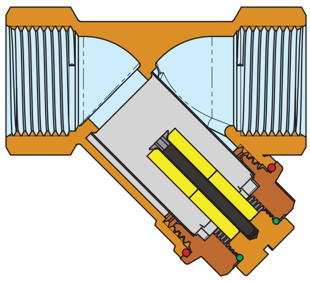


Mesh	N. holes cm²
30/60	52/280

Magnetic filter

cim® 74ACRNL5

Body		**CW511L**
Stainless steel filter		**AISI304**
O-ring		**FKM70 RED**
Cap with drain		**CW511L**
Screw cap		**CW511L**
O-ring		**HNBR 70SH**
Anisotropic ferrite magnet		**SINTEROX II**
Screw		**ACC. CL. 8**



cim® 74ACRNL5

Oblique strainer with magnet - Brass CW511L - PN 20 - Filter mesh Ø 0,65 mm

CODE	SIZE		
74ACRNL5-1015	1/2"	40	160
74ACRNL5-1020	3/4"	25	100
74ACRNL5-1025	1"	16	64
74ACRNL5-1032	1"1/4	8	32
74ACRNL5-1040	1"1/2	6	24
74ACRNL5-1050	2"	2	8

cim® 74ACR5

Oblique strainer with magnet - Brass C760 - PN 20 - Filter mesh Ø 0,65 mm

CODE	SIZE		
74ACR5-1015	1/2"	30	120
74ACR5-1020	3/4"	25	100
74ACR5-1025	1"	16	64
74ACR5-1032	1"1/4	8	32
74ACR5-1040	1"1/2	6	24
74ACR5-1050	2"	4	16

cim® 74AGCR5

Oblique strainer with magnet - Brass C760 - PN 20 - Filter mesh Ø 0,25 mm

CODE	SIZE		
74AGCR5-1015	1/2"	40	160
74AGCR5-1020	3/4"	25	100
74AGCR5-1025	1"	16	64
74AGCR5-1032	1"1/4	8	32
74AGCR5-1040	1"1/2	6	24
74AGCR5-1050	2"	2	8

cim® 74AOT5

Oblique strainer with magnet - Brass CW617N DW - PN 20 - Filter mesh Ø 0,65 mm

CODE	SIZE		
74AOT5-1015	1/2"	50	200
74AOT5-1020	3/4"	30	120
74AOT5-1025	1"	16	64
74AOT5-1032	1"1/4	10	40
74AOT5-1040	1"1/2	8	32
74AOT5-1050	2"	4	16

cim® 74AGOT5

Oblique strainer with magnet - Brass CW617N DW - PN 20 - Filter mesh Ø 0,25 mm

CODE	SIZE		
74AGOT5 -1015	1/2"	40	160
74AGOT5 -1020	3/4"	25	100
74AGOT5 -1025	1"	16	64
74AGOT5 -1032	1"1/4	8	32
74AGOT5 -1040	1"1/2	6	24
74AGOT5 -1050	2"	4	16

cim® 968

Plug with Magnet

CODE	SIZE		
968-1015	1/2"	50	200
968-1020	3/4"	50	200
968-1025	1"	50	200
968-1032	1"1/4	25	100
968-1040	1"1/2	25	100
968-1050	2"	15	60

cim® 2501

Electrolytic lime scale inhibitor coupling - Brass CW617N DW - Compression/Compression

CODE	SIZE		
2501-5051	15 × 15	1	40

cim® 2511

Magnetic lime scale inhibitor coupling - Brass CW617N DW - Compression/Compression

CODE	SIZE		
2511-5051	15 × 15	1	10

cim® 2502

Electrolytic lime scale inhibitor coupling - Brass CW617N DW

CODE	SIZE		
2502-2102	1/2" x 1/2"	1	40

cim® 2512

Magnetic lime scale inhibitor coupling - Brass CW617N DW

CODE	SIZE		
2512-2102	1/2" x 1/2"	1	10

CIMTRAP

Magnetic boiler filter

The high-performance inline magnetic filter **CIMTRAP** is used to remove all impurities generated by corrosion and limescale during the normal operation of the system.

It ensures the proper functioning of HVAC systems by keeping pipes, heating elements, and heat exchangers clean and free of debris, maintaining system efficiency and preventing energy losses.
It also prevents wear and damage to pumps, valves, and other system components, reducing maintenance costs.

This series of filters, equipped with a magnet, offers higher efficiency in separating and collecting ferrous impurities, which are trapped inside the filter by the magnetic field.

The filter is ideal for installation under the boiler.
Available models:

Cim 474-1030 with gray filter body

Cim 474-1031 with white filter body

Materials:

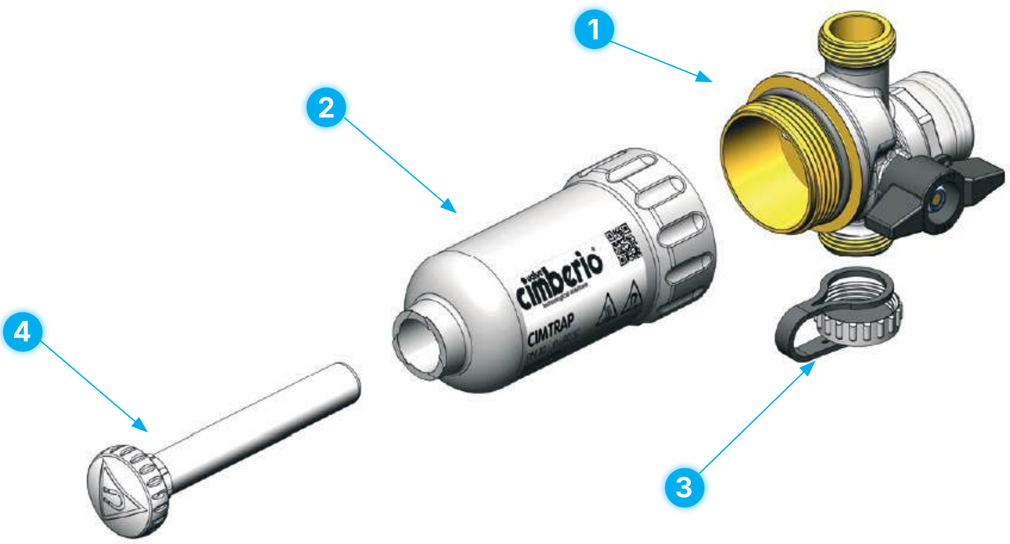
- Valve body in brass alloy EN-12165 CW617N DW
- Filter body in polyamide reinforced with 30% glass fiber
- Neodymium magnet,diametrically polarized, 12,500 Gauss

Technical specifications:

- PN 10
- Maximum operating temperature: 90° C
- Threads according to ISO 228
- Dimensions: inlet 1"M and 3/4"F, outlet 3/4"M

Main features:

- High filter capacity
- Compact body design
- Easy installation
- Removes both magnetic and non-magnetic debris
- Powerful removable magnet
- Available in two colors: gray and white



Components

1. Valve body
2. Filter body
3. Drain plug
4. Magnet

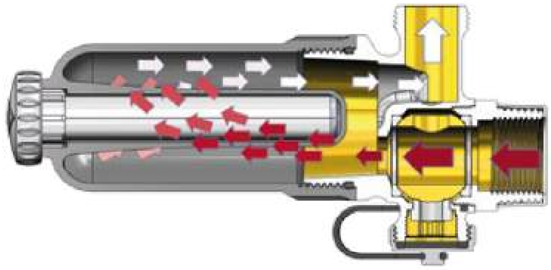
Operating principle:

Thanks to the filter's specific internal design, the fluid passes through the filtration chamber, where a powerful magnet is installed. The slow movement of the fluid through the chamber allows for the effective separation of both magnetic and non-magnetic dirt particles.

Installation:

The **CIMTRAP** filter must be installed in the return line of the system near the boiler to ensure protection of the internal components from system debris.

1. Turn off the boiler and drain the system.
2. Connect the **CIMTRAP** filter to the pipe using a 3/4″F female or 1″M male fitting. Connect the boiler to the 3/4″M connection.
3. Tighten all connections. Use an open-end wrench, not a pipe wrench, to apply the necessary torque during installation. This provides a better grip and prevents any potential damage to the filter body.



Pressure drop and flow loss:

DN	1″M (3/4″F)X3/4M″
KV	4.8

KV - Flow rate in m^3/h with a pressure drop of 1 bar.

Attention

Powerful magnetic element with strong magnetic fields! It is recommended that people with pacemakers maintain a safe distance from this device.

Magnetic fields can affect the operation of electronic devices.

cim® 474

CIMTRAP - Under boiler filter - Grey

CODE	SIZE		
474-1030	3/4"	1	10

CIMTRAP

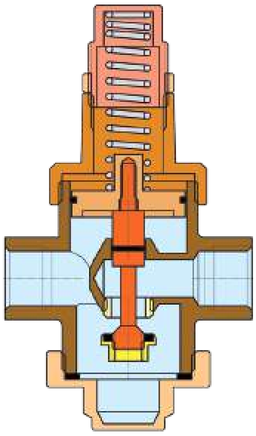
cim® 474

CIMTRAP - Under boiler filter - White

CODE	SIZE		
474-1031	3/4"	1	10

CIMTRAP

Pressure reducer



How to adjust the pressure:

All Cimberio pressure reducers are tested before packaging; during the test, they are factory set to an outlet pressure of 3 bar. The outlet pressure can be easily adjusted once the reducer is installed in the system.

To modify the outlet pressure, simply loosen the locking ring and turn the adjustment screw as shown in the photo sequence. Turning clockwise increases the outlet pressure, while turning counterclockwise decreases it. The correct pressure adjustment must be performed with the system closed.

Materials:

Body materials: **EN 12165 - CW617N DW**
Small parts: **EN 12164 - CW617N DW**
Sealing seat: **Stainless steel AISI 303**
O-rings: **NBR 70 sh**
Gaskets: **Fasit Italy**
Plastic parts: **Acetal resin**

cim® 1020

Pressure reducer MINI series - Brass CW617N DW - PN 16

CODE	SIZE		
1020-1010	3/8"	20	80
1020-1015	1/2"	20	80
1020-1020	3/4"	20	80

cim® 1060

Pressure reducer MINI series - Brass CW617N DW - PN 16 - With gauge connection

CODE	SIZE		
1060-1010	3/8"	20	80
1060-1015	1/2"	20	80
1060-1020	3/4"	20	80

cim® 1430

Pressure reducer - Brass CW617N DW - PN 25

CODE	SIZE		
1430-1015	1/2"	10	40
1430-1020	3/4"	8	32
1430-1025	1"	6	24
1430-1032	1"1/4	3	12
1430-1040	1"1/2	3	12
1430-1050	2"	2	8
1430-1070	2"1/2	1	4
1430-1080	3"	1	4
1430-1100	4"	1	2

cim® 1430N

Nickel plated pressure reducer - Brass CW617N DW - PN 25

CODE	SIZE		
1430N-1015	1/2"	10	40
1430N-1020	3/4"	8	32
1430N-1025	1"	6	24
1430N-1032	1"1/4	3	12
1430N-1040	1"1/2	3	12
1430N-1050	2"	2	8
1430N-1070	2"1/2	1	4
1430N-1080	3"	1	4
1430N-1100	4"	1	2

cim® 1430F

Flanged pressure reducer - Brass CW617N DW - PN 16 - Flange PN 16

CODE	SIZE		
1430F-8065	DN 65	1	4
1430F-8080	DN 80	1	4
1430F-8100	DN 100	1	4

cim® 1430CR

Pressure reducer - Brass CW625N DW - PN 25

CODE	SIZE		
1430CR-1015	1/2"	10	40
1430CR-1020	3/4"	8	32
1430CR-1025	1"	6	24
1430CR-1032	1"1/4	3	12
1430CR-1040	1"1/2	3	12
1430CR-1050	2"	2	8

cim® 1420

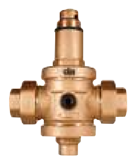
Pressure reducer - Brass CW617N DW - PN 25 - Pipe union/Pipe union

CODE	SIZE		
1420-1015	1/2"	10	40
1420-1020	3/4"	8	32
1420-1025	1"	6	24
1420-1032	1"1/4	3	12
1420-1040	1"1/2	3	12
1420-1050	2"	2	8

cim® 1460

Pressure reducer - Brass CW617N DW - PN 25 - Female union/Female union

CODE	SIZE		
1460-1015	1/2"	10	40
1460-1020	3/4"	8	32
1460-1025	1"	6	12
1460-1032	1"1/4	2	8
1460-1040	1"1/2	2	8
1460-1050	2"	1	4



cim® 1460N

Nickel plated pressure reducer - Brass CW617N DW - PN 25 - Female union/Female union

CODE	SIZE		
1460N-1015	1/2"	10	40
1460N-1020	3/4"	8	32
1460N-1025	1"	6	24
1460N-1032	1"1/4	2	8
1460N-1040	1"1/2	2	8
1460N-1050	2"	1	4

cim® 1450

Water hammer shock absorber - Brass CW617N DW - PN 10

CODE	SIZE		
1450-1015	1/2"	10	40

Chapter 11

Industrial valves

cimberio®

technological **valve** solutions

cim® 122

Ball valve - Full bore - Ductile iron EN GJS400-15 - Carbon steel lever handle - NBR O-ring - Flanged PN 16

CODE	SIZE		
122-8015	DN 15	-	-
122-8020	DN 20	-	-
122-8025	DN 25	-	-
122-8032	DN 32	-	-
122-8040	DN 40	-	-
122-8050	DN 50	-	-
122-8065	DN 65	-	-
122-8080	DN 80	-	-
122-8100	DN 100	-	-
122-8125	DN 125	-	-
122-8150	DN 150	-	-
122-8200	DN 200	-	-

cim® 122FKM

Ball valve - Full bore - Ductile iron EN GJS400-15 - Carbon steel lever handle - FKM O-ring - Flanged PN 16

CODE	SIZE		
122FKM-8015	DN 15	-	-
122FKM-8020	DN 20	-	-
122FKM-8025	DN 25	-	-
122FKM-8032	DN 32	-	-
122FKM-8040	DN 40	-	-
122FKM-8050	DN 50	-	-
122FKM-8065	DN 65	-	-
122FKM-8080	DN 80	-	-
122FKM-8100	DN 100	-	-
122FKM-8125	DN 125	-	-
122FKM-8150	DN 150	-	-
122FKM-8200	DN 200	-	-

cim® 122G

Ball valve - Full bore - Ductile iron EN GJS400-15 - Carbon steel lever handle - Gas use - NBR O-ring - Flanged PN 16

CODE	SIZE		
122G-8015	DN 15	-	-
122G-8020	DN 20	-	-
122G-8025	DN 25	-	-
122G-8032	DN 32	-	-
122G-8040	DN 40	-	-
122G-8050	DN 50	-	-
122G-8065	DN 65	-	-
122G-8080	DN 80	-	-
122G-8100	DN 100	-	-
122G-8125	DN 125	-	-
122G-8150	DN 150	-	-
122G-8200	DN 200	-	-

cim® 22

Ball valve - Full bore - Bronze C83600 ASTM B62 - Carbon steel lever handle - Brass ball CW617N DW - FKM O-ring - Flanged PN 16

CODE	SIZE		
22-8015	DN 15	-	-
22-8020	DN 20	-	-
22-8025	DN 25	-	-
22-8032	DN 32	-	-
22-8040	DN 40	-	-
22-8050	DN 50	-	-
22-8065	DN 65	-	-
22-8080	DN 80	-	-
22-8100	DN 100	-	-
22-8125	DN 125	-	-
22-8150	DN 150	-	-
22-8200	DN 200	-	-

cim® 21FT

3 way ball valve - Ductile iron EN GJS400-15 - Carbon steel lever handle - NBR O-ring - T connection - Flanged PN 16

CODE	SIZE		
21FT-8050	DN 50	-	-
21FT-8065	DN 65	-	-
21FT-8080	DN 80	-	-
21FT-8100	DN 100	-	-
21FT-8125	DN 125	-	-
21FT-8150	DN 150	-	-

cim® 21FY

3 way ball valve - Ductile iron EN GJS400-15 - Carbon steel lever handle - NBR O-ring - Y connection - Flanged PN 16

CODE	SIZE		
21FY-8050	DN 50	-	-
21FY-8065	DN 65	-	-
21FY-8080	DN 80	-	-
21FY-8100	DN 100	-	-
21FY-8125	DN 125	-	-
21FY-8150	DN 150	-	-

cim® 3150

Butterfly valve - Ductile iron EN GJS400-15 - DN 25-150 aluminium - DN 200-250 ductile iron EN GJS400-15 lever handle - Nickel plated ductile iron EN GJS400-15 disc - EPDM - Flanged PN 16 - Lug

CODE	SIZE		
3150-8025	DN 25	-	-
3150-8032	DN 32	-	-
3150-8040	DN 40	-	-
3150-8050	DN 50	-	-
3150-8065	DN 65	-	-
3150-8080	DN 80	-	-
3150-8100	DN 100	-	-
3150-8125	DN 125	-	-
3150-8150	DN 150	-	-
3150-8200	DN 200	-	-
3150-8250	DN 250	-	-
3150-8300	DN 300 (Without handle)	-	-

cim® 3150B

Butterfly valve - Bronze-Aluminium C954 - DN 40-150 aluminium - DN 250-300 ductile iron EN GJS400-15 lever handle - Bronze-aluminium C954 Disc - NBR - Flanged PN 16 - Lug

CODE	SIZE		
3150B-8040	DN 40	-	-
3150B-8050	DN 50	-	-
3150B-8065	DN 65	-	-
3150B-8080	DN 80	-	-
3150B-8100	DN 100	-	-
3150B-8125	DN 125	-	-
3150B-8150	DN 150	-	-
3150B-8200	DN 200	-	-
3150B-8250	DN 250	-	-

cim® 3110

Butterfly valve - Ductile iron EN GJS400-15 - Cast iron GJL250 manual speed reducer - Nickel plated ductile iron EN GJS400-15 disc - EPDM - Flanged PN 16 - Lug

CODE	SIZE		
3110-8025	DN 25	-	-
3110-8032	DN 32	-	-
3110-8040	DN 40	-	-
3110-8050	DN 50	-	-
3110-8065	DN 65	-	-
3110-8080	DN 80	-	-
3110-8100	DN 100	-	-
3110-8125	DN 125	-	-
3110-8150	DN 150	-	-
3110-8200	DN 200	-	-
3110-8250	DN 250	-	-
3110-8300	DN 300	-	-

cim® 3110B

Butterfly valve - Bronze-Aluminium C954 - Cast iron GJL250 manual speed reducer - Bronze-aluminium C954 Disc - NBR - Flanged PN 16 - Lug

CODE	SIZE		
3110B-8040	DN 40	-	-
3110B-8050	DN 50	-	-
3110B-8065	DN 65	-	-
3110B-8080	DN 80	-	-
3110B-8100	DN 100	-	-
3110B-8125	DN 125	-	-
3110B-8150	DN 150	-	-
3110B-8200	DN 200	-	-
3110B-8250	DN 250	-	-
3110B-8300	DN 300 (Without handle)	-	-

cim® 3150EL

Butterfly valve - Ductile iron EN GJS400-15 - Electric actuator - Nickel plated ductile iron EN GJS400-15 disc - EPDM - Flanged PN 16 - Lug

CODE	SIZE		
3150EL-8065	DN 65	-	-
3150EL-8080	DN 80	-	-
3150EL-8100	DN 100	-	-
3150EL-8125	DN 125	-	-
3150EL-8150	DN 150	-	-
3150EL-8200	DN 200	-	-
3150EL-8250	DN 250	-	-
3150EL-8300	DN 300	-	-

cim® 3050

Butterfly valve - Ductile iron EN GJS400-15 - DN 25-150 aluminium - DN 200-250 ductile iron EN GJS400-15 lever handle - Nickel plated ductile iron EN GJS400-15 disc - EPDM - Wafer

CODE	SIZE		
3050-8025	DN 25	-	-
3050-8032	DN 32	-	-
3050-8040	DN 40	-	-
3050-8050	DN 50	-	-
3050-8065	DN 65	-	-
3050-8080	DN 80	-	-
3050-8100	DN 100	-	-
3050-8125	DN 125	-	-
3050-8150	DN 150	-	-
3050-8200	DN 200	-	-
3050-8250	DN 250	-	-
3050-8300	DN 300 (Without handle)	-	-

cim® 3050EL

Valvola a farfalla - Ghisa EN GJS400-15 - Attuatore elettrico - Disco in ghisa nichelato EN GJS400-15 - Manicotto in EPDM - Wafer

CODE	SIZE		
3050EL-8025	DN 25	-	-
3050EL-8032	DN 32	-	-
3050EL-8040	DN 40	-	-
3050EL-8050	DN 50	-	-
3050EL-8065	DN 65	-	-
3050EL-8080	DN 80	-	-
3050EL-8100	DN 100	-	-
3050EL-8125	DN 125	-	-
3050EL-8150	DN 150	-	-
3050EL-8200	DN 200	-	-
3050EL-8250	DN 250	-	-
3050EL-8300	DN 300	-	-

cim® 3010

Butterfly valve - Ductile iron EN GJS400-15 - Cast iron GJL250 manual speed reducer - Nickel plated ductile iron EN GJS400-15 disc - EPDM - Wafer

CODE	SIZE		
3010-8025	DN 25	-	-
3010-8032	DN 32	-	-
3010-8040	DN 40	-	-
3010-8050	DN 50	-	-
3010-8065	DN 65	-	-
3010-8080	DN 80	-	-
3010-8100	DN 100	-	-
3010-8125	DN 125	-	-
3010-8150	DN 150	-	-
3010-8200	DN 200	-	-
3010-8250	DN 250	-	-
3010-8300	DN 300	-	-

cim® 920-3050

Speed reducer hand wheel - Ductile iron EN GJS400-15 - Cast iron GJL250

CODE	SIZE		
920-3050-8252	DN 25 - DN 150	-	-
920-3050-8200	DN 200	-	-
920-3050-8251	DN 250 - DN 300	-	-

cim® 80F

Swing wafer check valve - Carbon steel - NBR O-ring - Wafer

CODE	SIZE		
80F-8050	DN 50	-	-
80F-8065	DN 65	-	-
80F-8080	DN 80	-	-
80F-8100	DN 100	-	-
80F-8125	DN 125	-	-
80F-8150	DN 150	-	-
80F-8200	DN 200	-	-
80F-8250	DN 250	-	-
80F-8300	DN 300	-	-

cim® 80FM

Valvola a clapet - Acciaio ASTM - O-ring in NBR - Con molla - Wafer

CODE	SIZE		
80FM-8050	DN 50	-	-
80FM-8065	DN 65	-	-
80FM-8080	DN 80	-	-
80FM-8100	DN 100	-	-
80FM-8125	DN 125	-	-
80FM-8150	DN 150	-	-
80FM-8200	DN 200	-	-
80FM-8250	DN 250	-	-

cim® 96F

Valvola di ritegno a molla - Ghisa GJL250 - Flangiata PN 16

CODE	SIZE		
96F-8040	DN 40	-	-
96F-8050	DN 50	-	-
96F-8065	DN 65	-	-
96F-8080	DN 80	-	-
96F-8100	DN 100	-	-
96F-8125	DN 125	-	-
96F-8150	DN 150	-	-
96F-8200	DN 200	-	-
96F-8250	DN 250	-	-
96F-8300	DN 300	-	-

cim® 96FA

Valvola di fondo - Ghisa GJL 250 - Cestello in acciaio zincato - Flangiata PN 16

CODE	SIZE		
96FA-8040	DN 40	-	-
96FA-8050	DN 50	-	-
96FA-8065	DN 65	-	-
96FA-8080	DN 80	-	-
96FA-8100	DN 100	-	-
96FA-8125	DN 125	-	-
96FA-8150	DN 150	-	-
96FA-8200	DN 200	-	-
96FA-8250	DN 250	-	-

cim® 3260

Valvola a palla - Ghisa EN GJS500-7 - Sfera in metallo con rivestimento in NBR - Flangiata PN 16

CODE	SIZE		
3260-8050	DN 50	-	-
3260-8065	DN 65	-	-
3260-8080	DN 80	-	-
3260-8100	DN 100	-	-
3260-8125	DN 125	-	-
3260-8150	DN 150	-	-
3260-8200	DN 200	-	-
3260-8250	DN 250	-	-
3260-8300	DN 300	-	-

cim® 3270

Valvola di ritegno a disco - Ghisa GJL250 - Disco in acciaio Inox - Wafer

CODE	SIZE		
3270-8032	DN 32	-	-
3270-8040	DN 40	-	-
3270-8050	DN 50	-	-
3270-8065	DN 65	-	-
3270-8080	DN 80	-	-
3270-8100	DN 100	-	-
3270-8125	DN 125	-	-
3270-8150	DN 150	-	-
3270-8200	DN 200	-	-

cim® 3280

Valvola di ritegno a clapet - Ghisa EN GJS500-7 - Otturatore in WBC con rivestimento in EPDM - Flangiata PN 16

CODE	SIZE		
3280-8040	DN 40	-	-
3280-8050	DN 50	-	-
3280-8065	DN 65	-	-
3280-8080	DN 80	-	-
3280-8100	DN 100	-	-
3280-8125	DN 125	-	-
3280-8150	DN 150	-	-
3280-8200	DN 200	-	-
3280-8250	DN 250	-	-
3280-8300	DN 300	-	-

cim® 3290

Valvola a doppio battente - Ghisa GJL 250 - Disco in EN GJS 400 - Wafer

CODE	SIZE		
3290-8040	DN 40	-	-
3290-8050	DN 50	-	-
3290-8065	DN 65	-	-
3290-8080	DN 80	-	-
3290-8100	DN 100	-	-
3290-8125	DN 125	-	-
3290-8150	DN 150	-	-
3290-8200	DN 200	-	-
3290-8250	DN 250	-	-
3290-8300	DN 300	-	-

cim® 3296

Disconnettore - Ghisa GJL250 - Flangiato PN 10

CODE	SIZE		
3296-8065	DN 65	-	-
3296-8080	DN 80	-	-
3296-8100	DN 100	-	-
3296-8150	DN 150	-	-

cim® 3297

Disconnettore - Ottone CW602N - Filettato

CODE	SIZE		
3297-1015	1/2"	-	-
3297-1020	3/4"	-	-
3297-1025	1"	-	-
3297-1032	1"1/4	-	-
3297-1040	1"1/2	-	-
3297-1050	2"	-	-

cim® 3295

Filtro a Y - Ghisa EN GJS500-7 - Con spurgo - Flangiato PN 16

CODE	SIZE		
3295-8032	DN 32	-	-
3295-8040	DN 40	-	-
3295-8050	DN 50	-	-
3295-8065	DN 65	-	-
3295-8080	DN 80	-	-
3295-8100	DN 100	-	-
3295-8125	DN 125	-	-
3295-8150	DN 150	-	-
3295-8200	DN 200	-	-
3295-8250	DN 250	-	-
3295-8300	DN 300	-	-

cim® 3295-2

Filtro a Y - Ghisa GJL250 - Con spurgo e magnete - Flangiato PN 16

CODE	SIZE		
3295-2-8040	DN 40	-	-
3295-2-8050	DN 50	-	-
3295-2-8065	DN 65	-	-
3295-2-8080	DN 80	-	-
3295-2-8100	DN 100	-	-
3295-2-8125	DN 125	-	-
3295-2-8150	DN 150	-	-
3295-2-8200	DN 200	-	-
3295-2-8250	DN 250	-	-
3295-2-8300	DN 300	-	-

cim® 3250-1

Saracinesca a cuneo gommato - Ghisa EN GJS500-7 - Asta: AISI 420

CODE	SIZE		
3250-1-8050	DN 50	-	-
3250-1-8065	DN 65	-	-
3250-1-8080	DN 80	-	-
3250-1-8100	DN 100	-	-
3250-1-8125	DN 125	-	-
3250-1-8150	DN 150	-	-
3250-1-8200	DN 200	-	-
3250-1-8250	DN 250	-	-

cim® 8000

Giunto elastico - EPDM e raccordo in ghisa malleabile zincato - Filettato

CODE	SIZE		
8000-1015	1/2"	-	-
8000-1020	3/4"	-	-
8000-1025	1"	-	-
8000-1032	1"1/4	-	-
8000-1040	1"1/2	-	-
8000-1050	2"	-	-
8000-1070	2"1/2	-	-
8000-1080	3"	-	-

cim® 8000F

Giunto elastico - EPDM e flangia in acciaio al carbonio zincato PN 16

CODE	SIZE		
8000F-8032	DN 32	-	-
8000F-8040	DN 40	-	-
8000F-8050	DN 50	-	-
8000F-8065	DN 65	-	-
8000F-8080	DN 80	-	-
8000F-8100	DN 100	-	-
8000F-8125	DN 125	-	-
8000F-8150	DN 150	-	-
8000F-8200	DN 200	-	-
8000F-8250	DN 250	-	-
8000F-8300	DN 300	-	-
8000F-8350	DN 350	-	-
8000F-8400	DN 400	-	-
8000F-8450	DN 450	-	-
8000F-8500	DN 500	-	-
8000F-8600	DN 600	-	-

Chapter 12

Fittings

cimberio®

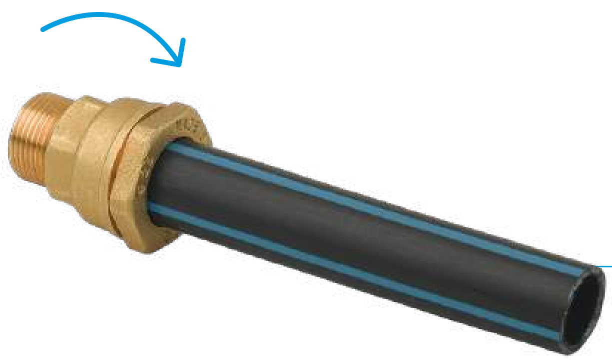
technological **valve** solutions

Fittings for PE pipe | Assembly instructions

1. Fitting body
2. O-ring
3. Washer
4. Anti-slip band in brass
5. Locknut

Polyethylene pipe
(high, medium or low density)

Insert the pipe until it reaches the stop at the bottom of the fitting



Screw the locking nut (5) by hand, then tighten it with a wrench until it seats firmly

cim® 650

Quick connection for PE pipes - Brass CW617N DW - PE/PE

CODE	SIZE		
650-7058	20 × 20	50	200
650-7059	25 × 25	35	140
650-7060	32 × 32	20	80
650-7061	40 × 40	15	60
650-7062	50 × 50	8	32
650-7063	63 × 63	6	24

cim® 651

Quick connection for PE pipes - Brass CW617N DW - PE/Female

CODE	SIZE		
651-4029	20 × 1/2"	50	200
651-4036	25 × 3/4"	50	200
651-4038	32 × 1"	30	120
651-3191	40 × 1"1/4	25	100
651-3212	50 × 1"1/2	20	80
651-3247	63 × 2"	10	40

cim® 652

Quick connection for PE pipes - Brass CW617N DW - PE/Male

CODE	SIZE		
652-4029	20 × 1/2"	50	200
652-4036	25 × 3/4"	50	200
652-4038	32 × 1"	30	120
652-3191	40 × 1"1/4	25	100
652-3212	50 × 1"1/2	20	80
652-3247	63 × 2"	8	32

cim® 653

90° Elbow quick connection for PE pipes - Brass CW617N DW - PE/PE

CODE	SIZE		
653-7058	20 × 20	50	200
653-7059	25 × 25	50	200
653-7060	32 × 32	30	120
653-7061	40 × 40	25	100
653-7062	50 × 50	20	80
653-7063	63 × 63	10	40

cim® 654

90° Elbow quick connection for PE pipes - Brass CW617N DW - PE/Female

CODE	SIZE		
654-4029	20 × 1/2"	50	200
654-4036	25 × 3/4"	50	200
654-4038	32 × 1"	30	120
654-3191	40 × 1"1/4	25	100
654-3212	50 × 1"1/2	20	80
654-3247	63 × 2"	10	40

cim® 655

90° Elbow quick connection for PE pipes - Brass CW617N DW - PE/Male

CODE	SIZE		
655-4029	20 × 1/2"	50	200
655-4036	25 × 3/4"	50	200
655-4038	32 × 1"	30	120
655-3191	40 × 1"1/4	25	100
655-3212	50 × 1"1/2	20	80
655-3247	63 × 2"	10	40

cim® 656

T quick connection for PE pipe - Brass CW617N DW - PE/PE/PE

CODE	SIZE		
656-7064	20 × 20 × 20	50	200
656-7065	25 × 25 × 25	40	160
656-7066	32 × 32 × 32	30	120
656-7067	40 × 40 × 40	25	100
656-7068	50 × 50 × 50	20	80
656-7069	63 × 63 × 63	10	40

cim® 657

T quick connection for PE pipe - Brass CW617N DW - PE/Female/PE

CODE	SIZE		
657-7070	20 × 1/2" x 20	50	200
657-7071	25 × 3/4" x 25	50	200
657-7072	32 × 1" x 32	15	60
657-7073	40 × 1"1/4 × 40	25	100
657-7074	50 × 1"1/2 × 50	20	80
657-7075	63 × 2" x 63	10	40

cim® 658

T quick connection for PE pipe - Brass CW617N DW - PE/Male/PE

CODE	SIZE		
658-7070	20 × 1/2" x 20	50	200
658-7071	25 × 3/4" x 25	50	200
658-7072	32 × 1" x 32	30	120

cim® 659

Quick connection for PE pipes - Brass CW617N DW - PE/PE

CODE	SIZE		
659-7058	20 × 20	50	200
659-7059	25 × 25	50	200
659-7060	32 × 32	30	120
659-7061	40 × 40	25	100
659-7062	50 × 50	20	80
659-7063	63 × 63	10	40

cim® 660

Quick connection for PE pipes - Brass CW617N DW - PE/Swivel nut

CODE	SIZE		
660-4029	20 × 1/2"	50	200
660-4036	25 × 3/4"	50	200
660-4038	32 × 1"	30	120
660-3191	40 × 1"1/4	25	100
660-3212	50 × 1"1/2	20	80
660-3247	63 × 2"	10	40

cim® 661

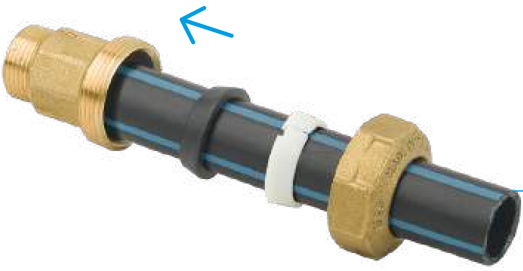
Elbow quick connection for PE pipe with bracket - Brass CW617N DW - PE/PE

CODE	SIZE		
661-4029	20 × 1/2"	50	200
661-4042	25 × 1/2"	50	200
661-4036	25 × 3/4"	50	200
661-4038	32 × 1"	30	120

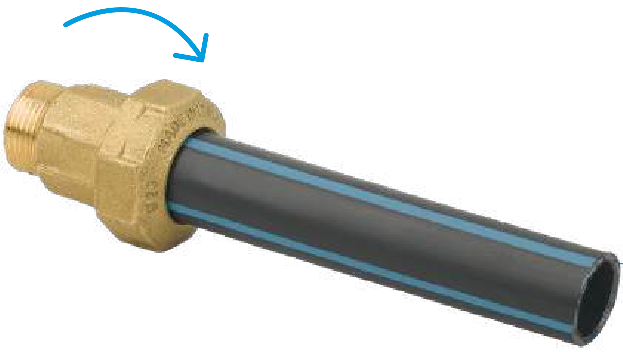
1. Fitting body
2. Rubber gasket
3. Anti-slip band in polyacetal
4. Locking nut

Polyethylene pipe
(high, medium or low density)

Place on the pipe in the following order:
the rubber gasket (2), the anti-slip band (3),
and the locking nut (4)



Place the pipe inside the joint body and position the rubber gasket (2) inside the conical recess, then bring the anti-slip band (3) into contact with the rubber gasket (2)



Screw the locking nut (4) by hand,
then tighten it with a wrench

cim® 880

Quick connection for PE pipes - Brass CW617N DW - PE/PE

CODE	SIZE		
880-7058	20 × 20	50	200
880-7059	25 × 25	25	100
880-7060	32 × 32	15	60
880-7061	40 × 40	15	60
880-7062	50 × 50	15	60
880-7063	63 × 63	15	60

cim® 881

Quick connection for PE pipes - Brass CW617N DW - PE/Female

CODE	SIZE		
881-4029	20 × 1/2"	100	400
881-4042	25 × 1/2"	50	200
881-4036	25 × 3/4"	50	200
881-3152	32 × 3/4"	25	100
881-4038	32 × 1"	25	100
881-3195	40 × 1"	15	60
881-3191	40 × 1"1/4	15	60
881-3212	50 × 1"1/2	15	60
881-3247	63 × 2"	15	60

cim® 882

Quick connection for PE pipes - Brass CW617N DW - PE/Male

CODE	SIZE		
882-4029	20 × 1/2"	100	400
882-4042	25 × 1/2"	50	200
882-4036	25 × 3/4"	35	150
882-3152	32 × 3/4"	30	120
882-4038	32 × 1"	30	120
882-3195	40 × 1"	15	60
882-3191	40 × 1"1/4	15	60
882-3212	50 × 1"1/2	15	60
882-3247	63 × 2"	15	60

cim® 883

90° Elbow quick connection for PE pipes - Brass CW617N DW - PE/PE

CODE	SIZE		
883-7058	20 × 20	50	200
883-7059	25 × 25	25	100
883-7060	32 × 32	15	60
883-7061	40 × 40	15	60
883-7062	50 × 50	10	40
883-7063	63 × 63	10	40

cim® 884

90° Elbow quick connection for PE pipes - Brass CW617N DW - PE/Male

CODE	SIZE		
884-4029	20 × 1/2"	50	200
884-4036	25 × 3/4"	30	120
884-4038	32 × 1"	20	80
884-3191	40 × 1"1/4	15	60
884-3212	50 × 1"1/2	10	40
884-3247	63 × 2"	10	40

cim® 885

90° Elbow quick connection for PE pipes - Brass CW617N DW - PE/Female

CODE	SIZE		
885-4029	20 × 1/2"	50	200
885-4036	25 × 3/4"	30	120
885-4038	32 × 1"	25	100
885-3191	40 × 1"1/4	15	60
885-3212	50 × 1"1/2	10	40
885-3247	63 × 2"	10	40

cim® 886

T quick connection for PE pipe - Brass CW617N DW - PE/PE/PE

CODE	SIZE		
886-7064	20 × 20 × 20	25	100
886-7065	25 × 25 × 25	15	60
886-7066	32 × 32 × 32	10	40
886-7067	40 × 40 × 40	15	60
886-7068	50 × 50 × 50	10	40
886-7069	63 × 63 × 63	10	40

cim® 887

T quick connection for PE pipe - Brass CW617N DW - PE/Female/PE

CODE	SIZE		
887-7070	20 × 1/2" x 20	50	200
887-7071	25 × 3/4" x 25	20	80
887-7072	32 × 1" x 32	25	100
887-7073	40 × 1"1/4 × 40	15	60
887-7074	50 × 1"1/2 × 50	10	40
887-7075	63 × 2" x 63	10	40

cim® 888

45° Elbow quick connection for PE pipes - Brass CW617N DW - PE/Female

CODE	SIZE		
888-4038	32 × 1"	25	100
888-3152	32 × 3/4"	25	100

cim® 889

45° Elbow quick connection for PE pipes - Brass CW617N DW - PE/Male

CODE	SIZE		
889-4038	32 × 1"	25	100
889-3152	32 × 3/4"	25	100

cim® 890

Elbow quick connection for PE pipe with bracket - Brass CW617N DW - PE/Female

CODE	SIZE		
890-4029	20 × 1/2"	50	200
890-4036	25 × 3/4"	25	100
890-4038	32 × 1"	25	100

cim® 891

Brass reinforcement insert - Brass CW617N DW

CODE	SIZE		
891-8020	DN 20	200	800
891-8025	DN 25	200	800
891-8032	DN 32	200	800
891-8040	DN 40	100	400
891-8050	DN 50	100	400
891-8063	DN 63	100	400

cim® 892

Anchor ring - PP

CODE	SIZE		
892-8020	DN 20	200	800
892-8025	DN 25	200	800
892-8032	DN 32	200	800
892-8040	DN 40	100	400
892-8050	DN 50	100	400
892-8063	DN 63	100	400

cim® 893

Rubber gasket

CODE	SIZE		
893-8020	DN 20	200	800
893-8025	DN 25	200	800
893-8032	DN 32	200	800
893-8040	DN 40	100	400
893-8050	DN 50	100	400
893-8063	DN 63	100	400

cim® 640

Quick connection for iron pipes - Brass CW617N DW - Iron/Iron

CODE	SIZE		
640-3116	1/2" x 21	50	100
640-3141	3/4" x 27	40	80
640-3166	1" x 34	30	60

cim® 641

Quick connection for iron pipes - Brass CW617N DW - Iron/Female

CODE	SIZE		
641-3116	1/2" x 21	100	200
641-3136	3/4" x 21	50	100
641-3141	3/4" x 27	50	100
641-3158	1" x 27	30	60
641-3166	1" x 34	40	80

cim® 642

Quick connection for iron pipes - Brass CW617N DW - Iron/Male

CODE	SIZE		
642-3116	1/2" x 21	100	200
642-3136	3/4" x 21	50	100
642-3141	3/4" x 27	50	100
642-3158	1" x 27	30	60
642-3166	1" x 34	40	80

cim® 840

Quick connection for copper pipes - Brass CW617N DW - Copper compression/Copper compress

CODE	SIZE		
840-3084	3/8" x 10	50	100
840-3086	3/8" x 12	50	100
840-3109	1/2" x 14	50	100
840-3110	1/2" x 15	50	100
840-3111	1/2" x 16	50	100
840-3113	1/2" x 18	50	100
840-3137	3/4" x 22	50	100
840-3159	1" x 28	30	60
840-3164	1" x 35	30	60

cim® 841

Quick connection for copper pipes - Brass CW617N DW - Copper compression/Female

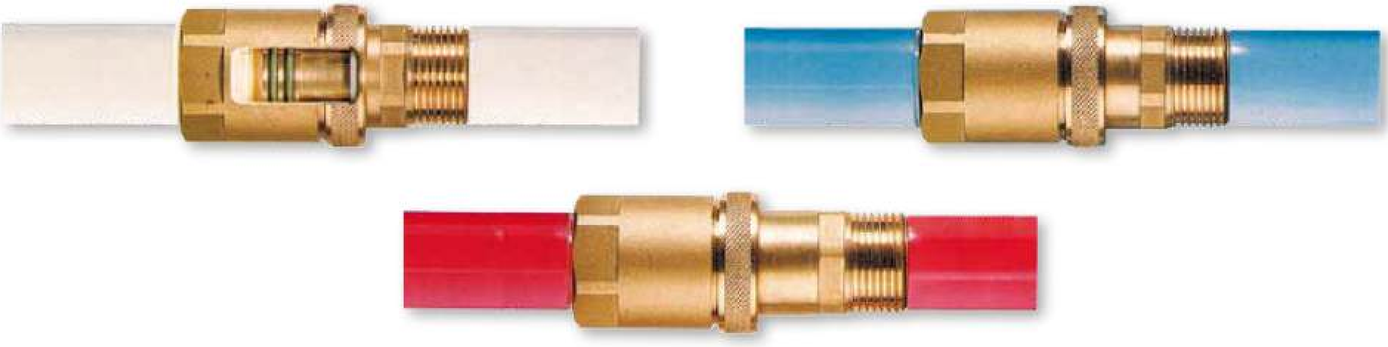
CODE	SIZE		
841-3084	3/8" x 10	50	100
841-3086	3/8" x 12	50	100
841-3109	1/2" x 14	50	100
841-3110	1/2" x 15	50	100
841-3111	1/2" x 16	50	100
841-3113	1/2" x 18	50	100
841-3117	1/2" x 22	50	100
841-3133	3/4" x 18	50	100
841-3137	3/4" x 22	50	100
841-3140	3/4" x 28	30	60
841-3159	1" x 28	30	60
841-3164	1" x 35	30	60

cim® 842

Quick connection for copper pipes - Brass CW617N DW - Copper compression/Male

CODE	SIZE		
842-3084	3/8" x 10	50	100
842-3086	3/8" x 12	50	100
842-3109	1/2" x 14	50	100
842-3110	1/2" x 15	50	100
842-3111	1/2" x 16	50	100
842-3113	1/2" x 18	50	100
842-3117	1/2" x 22	50	100
842-3133	3/4" x 18	50	100
842-3137	3/4" x 22	50	100
842-3140	3/4" x 28	30	60
842-3159	1" x 28	30	60
842-3164	1" x 35	30	60

The three-piece telescopic expansion fitting



Applications:

Cim 341 addresses the issues of traditional systems and specific installations.
Specifically designed for hydraulic, heating, sanitary, pneumatic, and similar systems, it allows for the easy and quick connection of opposing pipe ends or, alternatively, one pipe end to a fitting of a hydraulic component such as a valve, meter, heating pump, or similar, to be incorporated into the system.

Advantages:

- Its design allows for simple and quick installation, adapting each time to the distances between the threads to be connected.
- Eliminates additional and adaptation work, as the frequent differences in length between components to be replaced, such as valves, are compensated by the fitting's extendibility.
- Easy installation and removal in both new systems and existing ones undergoing repair or component replacement, thanks to its adaptability.
- Replacement of the section of pipe with leaks or breaks, thereby eliminating the need for subsequent adaptation operations.
- **Cim 341** also allows use in pump installations or thermal systems at thermally stressed points, serving simultaneously as a fitting and an **expansion joint.**
- The flexibility of **Cim 341** allows it to perfectly absorb expansions occurring in the pipe, relieving it of any mechanical stress that could negatively affect the threaded connection points.

cim® 341

FURBO - Three pieces expansion union - Brass CW617N DW - Female/Male

CODE	SIZE		
341-1015	1/2"	40	160
341-1020	3/4"	25	100
341-1025	1"	15	60
341-1032	1"1/4	10	40
341-1040	1"1/2	12	48
341-1050	2"	7	28

cim® 142

Straight type excelsior coupling for pumps - Brass CW617N DW

CODE	SIZE		
142-3089	3/8" x 15	25	100
142-3113	1/2" x 18	15	60
142-3151	3/4" x 25	15	60
142-3161	1" x 30	10	40
142-3182	1"1/4 × 35	8	32
142-3204	1"1/2 × 40	6	24
142-3229	2" x 50	6	24
142-3278	2"1/2 × 60	5	20

cim® 143

Elbow type excelsior coupling for pumps - Brass CW617N DW

CODE	SIZE		
143-3089	3/8" x 15	10	40
143-3113	1/2" x 18	10	40
143-3151	3/4" x 25	15	60
143-3161	1" x 30	8	32
143-3182	1"1/4 × 35	5	40
143-3204	1"1/2 × 40	4	32
143-3229	2" x 50	5	20

cim® 146

Roma type hose union - Brass CW617N DW

CODE	SIZE		
146-3089	3/8" x 15	30	120
146-3113	1/2" x 18	40	160
146-3151	3/4" x 25	15	60
146-3161	1" x 30	25	100
146-3182	1"1/4 × 35	15	120
146-3204	1"1/2 × 40	12	48
146-3229	2" x 50	8	32
146-3284	2"1/2 × 70	5	20
146-3309	3" x 80	5	20
146-3359	4" x 100	2	8

cim® 146F

Female Roma type hose union - Brass CW617N DW

CODE	SIZE		
146F-3089	3/8" x 15	30	120
146F-3113	1/2" x 18	40	160
146F-3151	3/4" x 25	20	80
146F-3161	1" x 30	25	100
146F-3182	1"1/4 × 35	15	60
146F-3204	1"1/2 × 40	12	48
146F-3229	2" x 50	6	24

cim® 417

T hose coupling - Brass CW617N DW

CODE	SIZE		
417-1008	1/4"	20	80
417-1010	3/8"	20	80
417-1015	1/2"	15	60
417-1020	3/4"	12	48
417-1025	1"	6	24
417-1032	1"1/4	6	24
417-1040	1"1/2	5	20
417-1050	2"	6	24

cim® 417C

Polished chrome T hose coupling - Brass CW617N DW

CODE	SIZE		
417C-1008	1/4"	20	80
417C-1010	3/8"	20	80
417C-1015	1/2"	15	60
417C-1020	3/4"	12	48
417C-1025	1"	6	24
417C-1032	1"1/4	6	24
417C-1040	1"1/2	5	20
417C-1050	2"	6	24

cim® 418

Elbow hose union - Brass CW617N DW

CODE	SIZE		
418-1008	1/4"	25	100
418-1010	3/8"	25	100
418-1015	1/2"	20	80
418-1020	3/4"	12	48
418-1025	1"	6	24
418-1032	1"1/4	8	32
418-1040	1"1/2	6	24
418-1050	2"	6	24

cim® 418C

Polished chrome elbow hose union - Brass CW617N DW

CODE	SIZE		
418C-1008	1/4"	25	100
418C-1010	3/8"	25	100
418C-1015	1/2"	20	80
418C-1020	3/4"	12	48
418C-1025	1"	6	24
418C-1032	1"1/4	8	32
418C-1040	1"1/2	6	24
418C-1050	2"	6	24

cim® 3020

Elbow hose union - Brass CW617N DW

CODE	SIZE		
3020-1008	1/4"	25	100
3020-1010	3/8"	25	100
3020-1015	1/2"	20	80
3020-1020	3/4"	12	48
3020-1025	1"	6	24
3020-1032	1"1/4	8	32
3020-1040	1"1/2	6	24
3020-1050	2"	6	24

cim® 3020C

Polished chrome elbow hose union - Brass CW617N DW

CODE	SIZE		
3020C-1008	1/4"	25	100
3020C-1010	3/8"	25	100
3020C-1015	1/2"	20	80
3020C-1020	3/4"	12	48
3020C-1025	1"	6	24
3020C-1032	1"1/4	8	32
3020C-1040	1"1/2	6	24
3020C-1050	2"	6	24

cim® 3026

Straight hose coupling - Brass CW617N DW

CODE	SIZE		
3026-1008	1/4"	40	160
3026-1010	3/8"	25	100
3026-1015	1/2"	30	120
3026-1020	3/4"	20	80
3026-1025	1"	12	48
3026-1032	1"1/4	12	48
3026-1040	1"1/2	10	40
3026-1050	2"	10	40

cim® 3026C

Polished chrome straight hose coupling - Brass CW617N DW

CODE	SIZE		
3026C-1008	1/4"	40	160
3026C-1010	3/8"	25	100
3026C-1015	1/2"	30	120
3026C-1020	3/4"	20	80
3026C-1025	1"	12	48
3026C-1032	1"1/4	12	48
3026C-1040	1"1/2	10	40
3026C-1050	2"	10	40

cim® 3028

Niplex double screw - Brass CW617N DW

CODE	SIZE		
3028-1008	1/4"	50	200
3028-1010	3/8"	40	160
3028-1015	1/2"	50	200
3028-1020	3/4"	30	120
3028-1025	1"	15	60
3028-1032	1"1/4	15	60
3028-1040	1"1/2	10	40
3028-1050	2"	6	24

cim® 3028C

Polished chrome niplex double screw - Brass CW617N DW

CODE	SIZE		
3028C-1008	1/4"	50	200
3028C-1010	3/8"	40	160
3028C-1015	1/2"	50	200
3028C-1020	3/4"	30	120
3028C-1025	1"	15	60
3028C-1032	1"1/4	15	60
3028C-1040	1"1/2	10	40
3028C-1050	2"	6	24

cim® 3030
Male plug - Brass CW617N DW

CODE	SIZE		
3030-1010	3/8"	50	200
3030-1015	1/2"	40	120
3030-1020	3/4"	20	80
3030-1025	1"	15	60
3030-1032	1"1/4	10	40
3030-1040	1"1/2	6	24
3030-1050	2"	5	20

cim® 3030C
Polished chrome male plug - Brass CW617N DW

CODE	SIZE		
3030C-1010	3/8"	50	200
3030C-1015	1/2"	40	120
3030C-1020	3/4"	20	80
3030C-1025	1"	15	60
3030C-1032	1"1/4	10	40
3030C-1040	1"1/2	6	24
3030C-1050	2"	5	20

cim® 3032
Female plug - Brass CW617N DW

CODE	SIZE		
3032-1010	3/8"	50	200
3032-1015	1/2"	40	120
3032-1020	3/4"	20	80
3032-1025	1"	15	60
3032-1032	1"1/4	25	40
3032-1040	1"1/2	8	24
3032-1050	2"	6	20

cim® 3032C
Polished chrome female plug - Brass CW617N DW

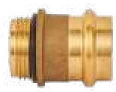
CODE	SIZE		
3032C-1010	3/8"	50	200
3032C-1015	1/2"	40	120
3032C-1020	3/4"	20	80
3032C-1025	1"	15	60
3032C-1032	1"1/4	50	40
3032C-1040	1"1/2	8	24
3032C-1050	2"	6	20

cim® 3035
4 way fitting - Brass CW617N DW

CODE	SIZE		
3035-1015	1/2"	10	160
3035-1020	3/4"	10	80
3035-1025	1"	5	40

cim® 1144PRF
Hose coupling for press-fitting - Brass CW511L

CODE	SIZE		
1144PRF-3110	1/2" x 15	50	200
1144PRF-3137	3/4" x 22	40	160
1144PRF-3159	1" x 28	30	120
1144PRF-3182	1"1/4 × 35	25	100
1144PRF-5119	1"1/2 × 42M	20	80
1144PRF-5120	1"1/2 × 42V	20	80
1144PRF-5121	2" x 54M	15	60
1144PRF-5122	2" x 54V	15	60



cim® 55R
Bibcock with adjustable drain

CODE	SIZE		
55R-1008	1/4"	50	200
55R-1010	3/8"	50	200

cim® 94
Air vent valve

CODE	SIZE		
94-1006	1/8"	50	200
94-1008	1/4"	50	200
94-1010	3/8"	50	200

cim® 147

Swivel and hose union - Brass CW617N DW

CODE	SIZE		
147-1010	3/8"	50	200
147-1015	1/2"	50	200
147-1020	3/4"	50	200

cim® 148

Nut and hose union for Cim 246 / 346 / 246-16 / 346-16 / 246-RED6 / 346-RED6 - Brass CW617N DW

CODE	SIZE		
148-1015	1/2"	50	200
148-1020	3/4"	50	200
148-1025	1"	25	100
148-1032	1"1/4	25	100

cim® 35

Quick connect coupling for rubber hose - Brass CW617N DW

CODE	SIZE		
35-1015	1/2" (Ø 12-15)	50	200
35-1020	3/4" (Ø 16-19)	50	200

cim® 35PP

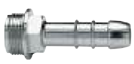
Quick connect coupling for rubber hose - PP

CODE	SIZE		
35PP-1015	1/2" (Ø 12-15)	50	200
35PP-1020	3/4" (Ø 16-19)	50	200

cim® 174

Chrome male hose coupling for gas - Brass CW617N DW

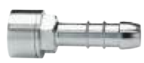
CODE	SIZE		
174-3103	1/2" x 8	50	200
174-3105	1/2" x 10	50	200
174-3108	1/2" x 13	25	100
174-3110	1/2" x 15	25	100



cim® 176

Chrome female hose coupling for gas - Brass CW617N DW

CODE	SIZE		
176-3103	1/2" x 8	50	200
176-3105	1/2" x 10	50	200
176-3108	1/2" x 13	25	100
176-3110	1/2" x 15	25	100



cim® 70-10

P.T.F.E. thread sealant

CODE	SIZE		
70-10-9950	50 ml	10	80
70-10-9951	100 ml	25	50

Chapter 13

Accessories

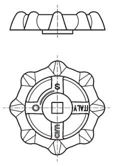
cimberio®

technological **valve** solutions

cim® 900

CIM model hand wheel for gate and industrial valves

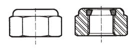
CODE	SIZE		
900-0250	Ø 50 mm	-	-
900-0255	Ø 55 mm	-	-
900-0260	Ø 60 mm	-	-
900-0265	Ø 65 mm	-	-
900-0275	Ø 75 mm	-	-
900-0280	Ø 80 mm	-	-
900-0290	Ø 90 mm	-	-
900-0310	Ø 110 mm	-	-
900-0320	Ø 120 mm	-	-
900-0340	Ø 140 mm	-	-
900-0375	Ø 175 mm	-	-



cim® 900A

Self-locking nut for gate, industrial and ball valves

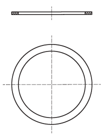
CODE	SIZE		
900A-0406	1/4" 6 MA	-	-
900A-0406	3/8" 6 MA	-	-
900A-0406	1/2" 6 MA	-	-
900A-0408	3/4" 8 MA	-	-
900A-0408	1" 8 MA	-	-
900A-0410	1"1/4 10 MA	-	-
900A-0410	1"1/2 10 MA	-	-
900A-0410	2" 10 MA	-	-
900A-0410	2"1/2 10 MA	-	-
900A-0410	3" 10 MA	-	-
900A-0412	4" 12MA	-	-
900A-0414	5" 1/4G	-	-
900A-0414	6" 1/4G	-	-



cim® 900B

Body and bonnet gasket for gate and industrial valves

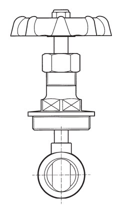
CODE	SIZE		
900B-0526	1/4"	-	-
900B-0526	3/8"	-	-
900B-0526	1/2"	-	-
900B-0537	3/4"	-	-
900B-0543	1"	-	-
900B-0548	1"1/4	-	-
900B-0557	1"1/2	-	-
900B-0557	2"	-	-
900B-0582	2"1/2	-	-
900B-0582	3"	-	-
900B-0628	4"	-	-
900B-0592	5"	-	-
900B-0677	6"	-	-



cim® 901A

Gate valve bonnet with hand wheel and disc for Cim 70BS

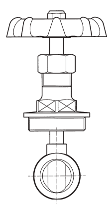
CODE	SIZE		
901A-1015	1/2"	-	-
901A-1020	3/4"	-	-
901A-1025	1"	-	-
901A-1032	1"1/4	-	-
901A-1040	1"1/2	-	-
901A-1050	2"	-	-
901A-1070	2"1/2	-	-
901A-1080	3"	-	-
901A-1100	4"	-	-



cim® 901B

Gate valve bonnet with hand wheel and disc for Cim 70B

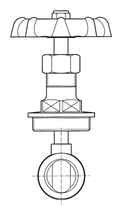
CODE	SIZE		
901B-1008	1/4"	-	-
901B-1010	3/8"	-	-
901B-1015	1/2"	-	-
901B-1020	3/4"	-	-
901B-1025	1"	-	-
901B-1032	1"1/4	-	-
901B-1040	1"1/2	-	-
901B-1050	2"	-	-
901B-1070	2"1/2	-	-
901B-1080	3"	-	-
901B-1100	4"	-	-
901B-1125	5"	-	-
901B-1150	6"	-	-



cim® 901C

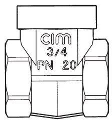
Gate valve bonnet with hand wheel and disc for Cim 50

CODE	SIZE		
901C-1015	1/2"	-	-
901C-1020	3/4"	-	-
901C-1025	1"	-	-
901C-1032	1"1/4	-	-
901C-1040	1"1/2	-	-
901C-1050	2"	-	-
901C-1070	2"1/2	-	-
901C-1080	3"	-	-
901C-1100	4"	-	-



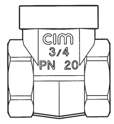
cim® 902A
Gate valve body Cim 70BS

CODE	SIZE		
902A-1015	1/2"	-	-
902A-1020	3/4"	-	-
902A-1025	1"	-	-
902A-1032	1"1/4	-	-
902A-1040	1"1/2	-	-
902A-1050	2"	-	-
902A-1070	2"1/2	-	-
902A-1080	3"	-	-
902A-1100	4"	-	-



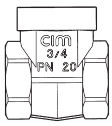
cim® 902B
Gate valve body Cim 70B

CODE	SIZE		
902B-1008	1/4"	-	-
902B-1010	3/8"	-	-
902B-1015	1/2"	-	-
902B-1020	3/4"	-	-
902B-1025	1"	-	-
902B-1032	1"1/4	-	-
902B-1040	1"1/2	-	-
902B-1050	2"	-	-
902B-1070	2"1/2	-	-
902B-1080	3"	-	-
902B-1100	4"	-	-
902B-1125	5"	-	-
902B-1150	6"	-	-



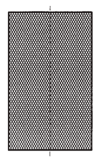
cim® 902C
Gate valve body Cim 50

CODE	SIZE		
902C-1015	1/2"	-	-
902C-1020	3/4"	-	-
902C-1025	1"	-	-
902C-1032	1"1/4	-	-
902C-1040	1"1/2	-	-
902C-1050	2"	-	-
902C-1070	2"1/2	-	-
902C-1080	3"	-	-
902C-1100	4"	-	-



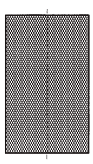
cim® 903
18/8 Stainless steel strainer - Filter mesh 0,65 mm

CODE	SIZE		
903-1010	3/8"	-	-
903-1015	1/2"	-	-
903-1020	3/4"	-	-
903-1025	1"	-	-
903-1032	1"1/4	-	-
903-1040	1"1/2	-	-
903-1050	2"	-	-
903-1070	2"1/2	-	-
903-1080	3"	-	-
903-1100	4"	-	-



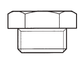
cim® 903A
18/8 Stainless steel strainer - filter mesh 0,25 mm

CODE	SIZE		
903A-1010	3/8"	-	-
903A-1015	1/2"	-	-
903A-1020	3/4"	-	-
903A-1025	1"	-	-
903A-1032	1"1/4	-	-
903A-1040	1"1/2	-	-
903A-1050	2"	-	-



cim® 904
Plug for test point 1/4" thread (from 1/2" to 2")

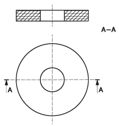
CODE	SIZE		
904-1008	1/4"	-	-



cim® 906

P.T.F.E. gasket for Cim 79 / 79A / 81 / 82

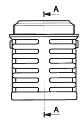
CODE	SIZE		
906-1010	3/8"	-	-
906-1015	1/2"	-	-
906-1020	3/4"	-	-
906-1025	1"	-	-
906-1032	1"1/4	-	-
906-1040	1"1/2	-	-
906-1050	2"	-	-
906-1070	2"1/2	-	-
906-1080	3"	-	-
906-1100	4"	-	-



cim® 907

Filter for foot check-valve Cim 95

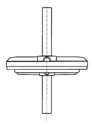
CODE	SIZE		
907-1010	3/8"	-	-
907-1015	1/2"	-	-
907-1020	3/4"	-	-
907-1025	1"	-	-
907-1032	1"1/4	-	-
907-1040	1"1/2	-	-
907-1050	2"	-	-
907-1070	2"1/2	-	-
907-1080	3"	-	-
907-1100	4"	-	-
907-1125	5"	-	-
907-1150	6"	-	-



cim® 908

Stem holder for Cim 95

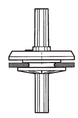
CODE	SIZE		
908-1010	3/8"	-	-
908-1015	1/2"	-	-
908-1020	3/4"	-	-
908-1025	1"	-	-
908-1032	1"1/4	-	-
908-1040	1"1/2	-	-
908-1050	2"	-	-
908-1070	2"1/2	-	-
908-1080	3"	-	-
908-1100	4"	-	-
908-1125	5"	-	-
908-1150	6"	-	-



cim® 910

Stem holder for Cim 30 / 30A

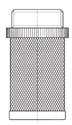
CODE	SIZE		
910-1010	3/8"	-	-
910-1015	1/2"	-	-
910-1020	3/4"	-	-
910-1025	1"	-	-
910-1032	1"1/4	-	-
910-1040	1"1/2	-	-
910-1050	2"	-	-
910-1070	2"1/2	-	-
910-1080	3"	-	-
910-1100	4"	-	-



cim® 911

Stainless steel filter for Cim 30A

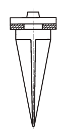
CODE	SIZE		
911-1015	1/2"	-	-
911-1020	3/4"	-	-
911-1025	1"	-	-
911-1032	1"1/4	-	-
911-1040	1"1/2	-	-
911-1050	2"	-	-
911-1070	2"1/2	-	-
911-1080	3"	-	-
911-1100	4"	-	-



cim® 913

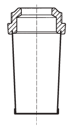
Stem holder for Cim 95A

CODE	SIZE		
913-1015	1/2"	-	-
913-1020	3/4"	-	-
913-1025	1"	-	-
913-1032	1"1/4	-	-
913-1040	1"1/2	-	-
913-1050	2"	-	-
913-1070	2"1/2	-	-
913-1080	3"	-	-
913-1100	4"	-	-



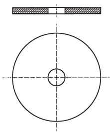
cim® 914
Filter for Cim 95A - stainless steel from 1/2" to 1"1/2 - brass from 2" to 4"

CODE	SIZE		
914-1015	1/2"	-	-
914-1020	3/4"	-	-
914-1025	1"	-	-
914-1032	1"1/4	-	-
914-1040	1"1/2	-	-
914-1050	2"	-	-
914-1070	2"1/2	-	-
914-1080	3"	-	-
914-1100	4"	-	-



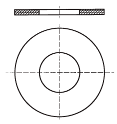
cim® 915
Rubber gasket for Cim 95

CODE	SIZE		
915-0523	1/2"	-	-
915-0528	3/4"	-	-
915-0534	1"	-	-
915-0540	1"1/4	-	-
915-0546	1"1/2	-	-
915-0559	2"	-	-
915-0573	2"1/2	-	-
915-0585	3"	-	-
915-0611	4"	-	-
915-0635	5"	-	-
915-0665	6"	-	-



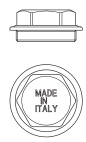
cim® 916
Rubber gasket for Cim 95A

CODE	SIZE		
916-0518	18×4	-	-
916-0524	24×3	-	-
916-0525	25×3	-	-
916-0536	35×18×3	-	-
916-0542	42×3	-	-
916-0551	50×3	-	-
916-0560	60×4	-	-
916-0571	70×5	-	-
916-0590	90×5	-	-



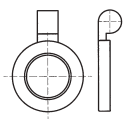
cim® 917
Bonnet for check valve Cim 80 / 80A

CODE	SIZE		
917-1015	1/2"	-	-
917-1020	3/4"	-	-
917-1025	1"	-	-
917-1032	1"1/4	-	-
917-1040	1"1/2	-	-
917-1050	2"	-	-
917-1070	2"1/2	-	-
917-1080	3"	-	-
917-1100	4"	-	-



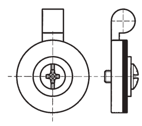
cim® 918
Swing disc for Cim 80

CODE	SIZE		
918-1015	1/2"	-	-
918-1020	3/4"	-	-
918-1025	1"	-	-
918-1032	1"1/4	-	-
918-1040	1"1/2	-	-
918-1050	2"	-	-
918-1070	2"1/2	-	-
918-1080	3"	-	-
918-1100	4"	-	-



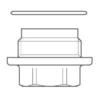
cim® 919
Swing disc for Cim 80A

CODE	SIZE		
919-1015	1/2"	-	-
919-1020	3/4"	-	-
919-1025	1"	-	-
919-1032	1"1/4	-	-
919-1040	1"1/2	-	-
919-1050	2"	-	-
919-1070	2"1/2	-	-
919-1080	3"	-	-
919-1100	4"	-	-



cim® 967
Cap and O-Ring for Cim 74ACRNL / 74ACR / 74AOT

CODE	SIZE		
967-1015	1/2"	-	-
967-1020	3/4"	-	-
967-1025	1"	-	-
967-1032	1"1/4	-	-
967-1040	1"1/2	-	-
967-1050	2"	-	-
967-1070	2"1/2	-	-
967-1080	3"	-	-
967-1100	4"	-	-



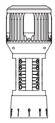
cim® 967B
FKM O-Ring for Cim 74ACRNL / 74ACR / 74AOT and derivative models

CODE	SIZE		
967B-1015	1/2"	-	-
967B-1020	3/4"	-	-
967B-1025	1"	-	-
967B-1032	1"1/4	-	-
967B-1040	1"1/2	-	-
967B-1050	2"	-	-
967B-1070	2"1/2	-	-
967B-1080	3"	-	-
967B-1100	4"	-	-

cim® 975

Complete handle for Cim 727 / 747

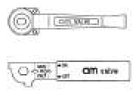
CODE	SIZE		
975-1015	1/2"	-	-
975-2123	3/4" - 1" - 1"1/4	-	-
975-2201	1"1/2	-	-
975-2201	2"	-	-



cim® 920

Aluminium lever handle for Cim 10 / 12 / 14 / 20 / Steel lever handle for Cim 11 / 14M

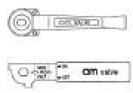
CODE	**920-0065**	**920-0080**	**920-0100**	**920-0120**	**920-0150**	**920-0205**	**920-0210**
SIZE	65 mm	80 mm	100 mm	120 mm	150 mm	240 mm	310 mm
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
Cim 10	-	-	1/2"	3/4" - 1"	1"1/4 - 1"1/2 - 2"	2"1/2 - 3"	4"
Cim 12-11	1/4" - 3/8"	1/4" - 3/8"	3/4" - 1"	1"1/4	1"1/2 - 2"	2"1/2 - 3"	4"
Cim 14-14M	1/4" - 3/8"	1/2"	3/4" - 1"	1"1/4	1"1/2 - 2"	2"1/2 - 3"	4"



cim® 920A

Aluminium lever handle for Cim 16 / RED6 - Steel lever handle for Cim 17 / RED5

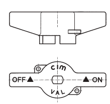
CODE	**920A-0090**	**920A-0110**	**920A-0150**
SIZE	90 mm	110 mm	150 mm
	-	-	-
	-	-	-
Cim 16	1/2" - 3/4"	1" - 1"1/4	1"1/2 - 2"
Cim Red6	1/2" - 3/4"	1" - 1"1/4	1"1/2 - 2"
Cim 17	1/2" - 3/4"	1" - 1"1/4	1"1/2 - 2"
Cim Red5	1/2" - 3/4"	1" - 1"1/4	1"1/2 - 2"



cim® 921

Aluminium butterfly handle for Cim 310 / 312 / 314

CODE	**921-0043**	**921-0050**	**921-0070**	**921-0085**	**921-0100**
SIZE	43 mm	50 mm	70 mm	85 mm	100 mm
	-	-	-	-	-
	-	-	-	-	-
Cim 310	-	1/4" - 3/8"	1/2"	3/4" - 1"	1"1/4 - 1"1/2 - 2"
Cim 312-314	1/4" - 3/8"	1/2"	3/4" - 1"	1"1/4	1"1/2 - 2"

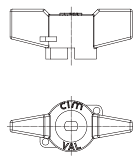


cim® 921A

Aluminium butterfly handle for Cim 316 / RED6-1

CODE	921A-0055	921A-0075	921A-0105
SIZE	55 mm	75 mm	100 mm
	-	-	-
	-	-	-

Cim 316	1/2" - 3/4"	1" - 1"1/4	1"1/2 - 2"
Cim Red 6/1	1/2" - 3/4"	1" - 1"1/4	1"1/2 - 2"

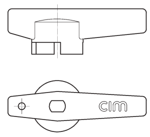


cim® 921OT

Brass handle for Cim 10OT / Cim 12OT / Cim 14OT and derivative models

CODE	921OT-0070	921OT-0090	921OT-0105
SIZE	70 mm	90 mm	105 mm
	-	-	-
	-	-	-

Cim 10OT	1/4" - 3/8" - 1/2"	3/4" - 1"	1"1/4 - 1"1/2 - 2"
Cim 12OT - 14OT - 12CROT	1/2" - 3/4" - 1"	1"1/4	1"1/2 - 2"

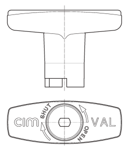


cim® A921

6/6 Nylon handle for Cim A10 / A12 / A14 and derivative models

CODE	A921-0080	A921-0095	A921-0110
SIZE	80 mm	95 mm	110 mm
	-	-	-
	-	-	-

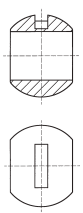
Cim A10	1/2"	3/4" - 1"	1"1/4 - 1"1/2 - 2"
Cim A12 - A14 - A12CR	1/2" - 3/4" - 1"	1"1/4	1"1/2 - 2"



cim® 922

Ball for cim valves T10 series

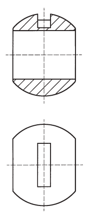
CODE	SIZE		
922-0217	1/4"	-	-
922-0217	3/8"	-	-
922-0226	1/2"	-	-
922-0235	3/4"	-	-
922-0242	1"	-	-
922-0253	1"1/4	-	-
922-0264	1"1/2	-	-
922-0278	2"	-	-
922-0302	2"1/2	-	-
922-0324	3"	-	-
922-0355	4"	-	-



cim® 922A

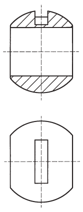
Ball for cim valves T12 series

CODE	SIZE		
922A-0217	1/4"	-	-
922A-0217	3/8"	-	-
922A-0226	1/2"	-	-
922A-0235	3/4"	-	-
922A-0242	1"	-	-
922A-0253	1"1/4	-	-
922A-0264	1"1/2	-	-
922A-0278	2"	-	-
922A-0302	2"1/2	-	-
922A-0324	3"	-	-
922A-0355	4"	-	-



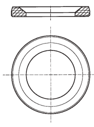
cim® 922B
Ball for cim valves T14 series

CODE	SIZE		
922B-0223	1/2"	-	-
922B-0232	3/4"	-	-
922B-0240	1"	-	-
922B-0250	1"1/4	-	-
922B-0264	1"1/2	-	-
922B-0278	2"	-	-
922B-0293	2"1/2	-	-
922B-0311	3"	-	-
922B-0340	4"	-	-



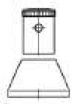
cim® 923
P.T.F.E. gasket seat set

CODE	SIZE		
923-0513	1/4"	-	-
923-0516	3/8"	-	-
923-0521	1/2"	-	-
923-0529	3/4"	-	-
923-0538	1"	-	-
923-0544	1"1/4	-	-
923-0552	1"1/2	-	-
923-0563	2"	-	-
923-0586	2"1/2	-	-
923-0599	3"	-	-
923-0630	4"	-	-



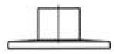
cim® 924
Two-piece chrome cape for Cim 25 / 125

CODE	SIZE		
924-0232	-	-	-



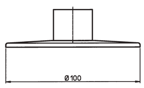
cim® 925A
Chrome cover plate Ø 70 for Cim 28 / 128

CODE	SIZE		
925A-0270	-	-	-



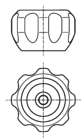
cim® 925B
Chrome cover plate Ø 100 for Cim 26 / 27 / 126 / 127

CODE	SIZE		
925B-0300	-	-	-



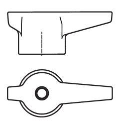
cim® 926
Chrome handle for Cim 26 / 27 / 126 / 127

CODE	SIZE		
926-0252	-	-	-



cim® 927
Chrome diverter handle Ø 100 for Cim 27 / 28 / 127 / 128

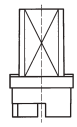
CODE	SIZE		
927-0000	-	-	-



cim® 928

20 × 20 square locking cap

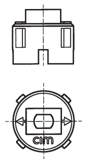
CODE	928-0222	928-0224	928-0230
SIZE	43 mm	50 mm	70 mm
	-	-	-
	-	-	-
Cim 206	1/4" - 1/2"	3/4" - 1"	1"1/4 - 2"
Cim 206-12 - 206/14	1/2" - 1"	1"1/4	1"1/2 - 2"



cim® 929B

Lead sealing square locking cap

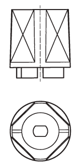
CODE	929B-0221	929B-0225	929B-0230	929B-0242
SIZE	65 mm	80 mm	100 mm	120 mm
	-	-	-	-
	-	-	-	-
Cim 306	1/4" - 1/2"	3/4" - 1"	1"1/4 - 2"	2"1/2 - 3"
Cim 306-12 - 306-14	1/2" - 1"	1"1/4	1"1/2 - 2"	-



cim® 930

28 × 28 square head cap

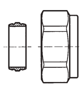
CODE	930-0222	930-0224	930-0230	930-0242
SIZE	65 mm	80 mm	100 mm	120 mm
	-	-	-	-
	-	-	-	-
Cim 406	1/4" - 1/2"	3/4" - 1"	1"1/4 - 2"	2"1/2 - 3"
Cim 406-12 - 406-14	1/2" - 1"	1"1/4	1"1/2 - 2"	-



cim® 931

Nickel plated nut and copper compression connection for Cim 209 and derivative models

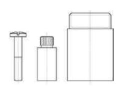
CODE	SIZE		
931-3084	3/8" x 10	-	-
931-3086	3/8" x 12	-	-
931-3110	1/2" x 15	-	-
931-3133	3/4" x 18	-	-
931-3137	3/4" x 22	-	-
931-3159	1" x 28	-	-
931-3182	1"1/4 × 35	-	-
931-3206	1"1/2 × 42	-	-
931-3233	2" x 54	-	-



cim® 932

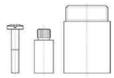
Stem extension for Cim 25 / 125

CODE	SIZE		
932-0000	-	-	-



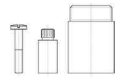
cim® 932B
Stem extension for Cim 26 / 27 / 28 / 126 / 127 / 128

CODE	SIZE		
932B-0000	-	-	-



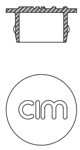
cim® 932C
Stem extension for Cim 29GB

CODE	SIZE		
932C-0000	-	-	-



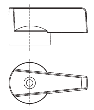
cim® 933
Plastic cap for tamper proof handle

CODE	SIZE		
933-0000	-	-	-



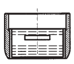
cim® 934
Handle for Cim 180 / 182 / 182XL

CODE	SIZE		
934-0000	-	-	-



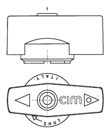
cim® 935
Aerator for Cim 113

CODE	SIZE		
935-1015	-	-	-



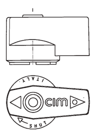
cim® 936
Nylon butterfly type handle for MINI ball valves and gas cock

CODE	SIZE		
936-0000	-	-	-



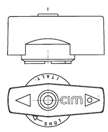
cim® 937
Nylon flag type handle for MINI ball valves

CODE	SIZE		
937-0000	-	-	-



cim® 938
Chrome butterfly type handle for washing machine bibcock

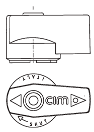
CODE	SIZE		
938-0000	-	-	-



cim® 939

Chrome nylon flag type handle for washing machine bibcock

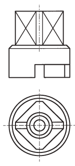
CODE	SIZE		
939-0000	-	-	-



cim® 940

Square head cap 12 × 12 for MINI ball valves

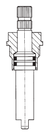
CODE	SIZE		
940-0219	-	-	-



cim® 941

Cap, stem and O-ring for Cim 25 / 26 / 27 / 28G

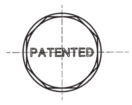
CODE	SIZE		
941-1015	1/2"	-	-
941-1020	3/4"	-	-



cim® 944

FILTRASFERA brass cover for Cim 620 / 621 and derivative models

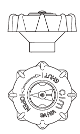
CODE	SIZE		
944-1015	1/2"	-	-
944-1020	3/4"	-	-
944-1025	1"	-	-



cim® 942

BALLSTAR complete speed reducer hand wheel Cim 610 / 611 / 612

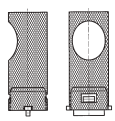
CODE	**942-0281**	**942-0282**	**942-0310**
SIZE	81 mm	81 mm	110 mm
	-	-	-
	-	-	-
Series T10	1/2"	3/4" - 1"	1"1/4 - 1"1/2 - 2"
Series T12 - T14	1/2" - 3/4" - 1"	1"1/4	1"1/2 - 2"



cim® 943

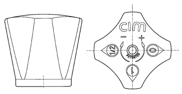
FILTRASFERA stainless steel filter for CIM 620 / 621 and derivative models

CODE	**943-1015**	**943-1020**	**943-1025**
SIZE	1/2"	3/4"	1"
	-	-	-
	-	-	-
Filter 0,65	1,60	1,80	2,00
Filter 0,25	3,20	3,60	4,00



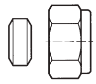
cim® 945
Handle for Cim 91 / 92

CODE	SIZE		
945-1015	-	-	-



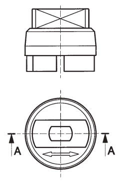
cim® 946
Nickel plated nut and compression connection for MINI series

CODE	SIZE		
946-3105	1/2" x 10	-	-
946-3110	1/2" x 15	-	-



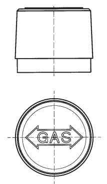
cim® 947
Brass cap with square head for Cim 410G / 411G

CODE	**947-0224**	**947-0230**	**947-0243**
SIZE	D 24.5	D 30	D 43
	-	-	-
	-	-	-
DN T10 G	3/4" - 1"	1"1/4 - 1"1/2 - 2"	2"1/2 - 3"
DN T12 G	3/4" - 1" - 1"1/4	1"1/2 - 2"	-



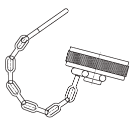
cim® 948
ABS cap for Cim 410G / 411G

CODE	**948-0237**	**948-0244**	**948-0261**
SIZE	D 37	D 44	D 60.5
	-	-	-
	-	-	-
DN T10 G	3/4" - 1"	1"1/4 - 1"1/2 - 2"	2"1/2 - 3"
DN T12 G	3/4" - 1" - 1"1/4	1"1/2 - 2"	-



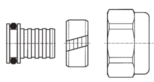
cim® 950
Plug and chain for boiler drain cock

CODE	SIZE		
950-0000	-	-	-



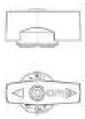
cim® 951
Brass nut compression end and hose union with O-ring for Cim 271 / 272 / 273 / 274

CODE	SIZE		
951-3110	1/2" x 15	-	-
951-3111	1/2" x 16	-	-
951-3113	1/2" x 18	-	-



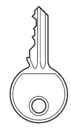
cim® 952
Aluminium handle for Cim 150 / 170 and derivative models

CODE	SIZE		
952-0000	-	-	-



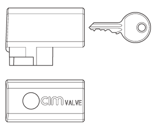
cim® 954B
Master key for series Cim 12SI / B10 / B12 / B14 / 115G

CODE	SIZE		
954B-0000	-	-	-



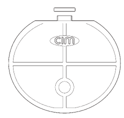
cim® 954C
Complete handle for Cim 12SI

CODE	SIZE		
954C-0000	-	-	-



cim® 969
Garden box cover

CODE	SIZE		
969-0000	-	-	-

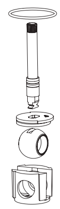


cim® 970
Box for Cim 27GB

CODE	SIZE		
970-0000	-	-	-

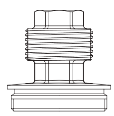
cim® 972
Inner spare parts kit for IDEACIM series valves

CODE	SIZE		
972-0000	-	-	-



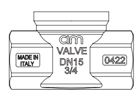
cim® 973
Bonnet for IDEACIM series valves

CODE	SIZE		
973-2097	1/2" - 3/4"	-	-



cim® 974
Body for IDEACIM series valves - PN 16 - Butterfly handle ABS

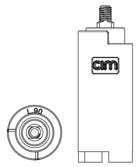
CODE	SIZE		
974-1015	1/2"	-	-
974-1020	3/4"	-	-



cim® 510

Insulating extension for valves series T10 / T12 / T14

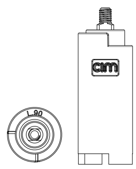
CODE	510-0000	511-0000	512-0000	513-0000	514-0000
	-	-	-	-	-
	-	-	-	-	-
	1/2"				
Cim 10	1/2" - 3/4" - 1"	3/4" - 1"	1"1/4 - 1"1/2 - 2"	2"1/2 - 3"	4"
Cim 12	1/2" - 3/4" - 1"	1"1/4	1"1/2 - 2"	2"1/2 - 3"	4"
Cim 14	-	1"1/4	1"1/2 - 2"	2"1/2 - 3" - 4"	-



cim® 520

Insulating extension for valves series T11 / T11CR / T14M

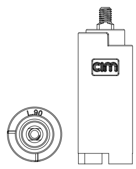
CODE	520-0000	521-0000	522-0000	523-0000
	-	-	-	-
	-	-	-	-
Cim 11	1/2"	3/4" - 1"	1"1/4	1"1/2 - 2"
Cim 11CR	1/2"	3/4" - 1"	1"1/4	1"1/2 - 2"
Cim 14M	1/2"	3/4" - 1"	1"1/4	1"1/2 - 2"

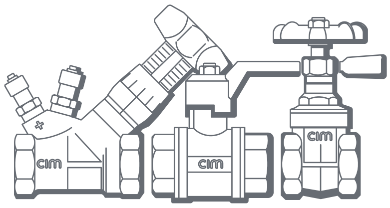


cim® 530NEW

Insulating extension for valves series T16 / T17 / T16CR / T17CR / RED6 / RED5

CODE	530NEW-2097	531NEW-2175	532NEW-2201
	-	-	-
	-	-	-
Cim 16 **Cim 17**	1/2" - 3/4"	1" - 1"1/4	1"1/2 - 2"
Cim 16CR **Cim 17CR**	1/2" - 3/4"	1" - 1"1/4	1"1/2 - 2"
Cim 16CRNL **Cim 17CRNL**	1/2" - 3/4"	1" - 1"1/4	1"1/2 - 2"
Cim RED6 **Cim RED5**	1/2" - 3/4"	1" - 1"1/4	1"1/2 - 2"
Cim 1220CRNL **Cim 1221CRNL**	15 × 15 - 22 × 22	28 × 28 - 35 × 35	42 × 42 - 54 × 54




cim
cim
cim

GENERAL TERMS OF SALE

1. Scope of Application. These general terms and conditions of sale (hereinafter, the "General Terms") apply to all sales contracts (in any form) concluded between Cimberio (hereinafter, the "Seller"), including through its representatives and/or agents, and any purchaser (hereinafter, the "Customer"), and form an integral and substantial part of every proposal, order, and order confirmation for the products. These General Terms cancel, prevail over, and fully replace any other agreements (in any form and at any time concluded) that may have existed between the Seller and the Customer, which contain terms and conditions contrary to or different from those set out herein.

2. Orders and Confirmation. Orders placed by the Customer, including through representatives, shall be considered accepted and the sales contract concluded only upon written confirmation by the Seller (hereinafter, the "Order Confirmation"). By placing an order, the Customer acknowledges having read and fully, unconditionally, and without reservation accepted these General Terms, expressly waiving any of their own general terms and conditions.

3. Prices. The prices of the products are listed in the Seller's price lists, excluding VAT and any other taxes, and do not include packaging and shipping/transport costs, unless otherwise agreed in writing between the Seller and the Customer. Prices may be subject to change by the Seller without any prior notice.

4. Delivery. Unless otherwise agreed in writing, delivery is considered Ex Works the Seller's warehouse and is deemed to occur when the products are made available to the Customer at the Seller's facilities or warehouses, or those of its agents, representatives, and/or dealers, with the simultaneous transfer to the Customer of all risks, including loss and deterioration/damage of the products. Loss or deterioration of the products after the transfer of risk to the Customer does not release the Customer from the obligation to pay the price. The delivery times indicated in the Order Confirmation are provided for guidance only and are not binding, although they will be respected as far as possible. The Seller shall not be liable for any damages of any kind and/or nature resulting from delivery delays.

5. Product Characteristics. The data, dimensions, specifications, and characteristics of the products, as well as the products themselves, shown or reproduced in the Seller's catalogs, price lists, brochures, circulars, or any other documentation, are for indicative purposes only; they may be changed without prior notice and are binding on the Seller only if expressly confirmed in the Order Confirmation. The Seller does not guarantee that the products comply with any specific specifications and/or standards requested by the Customer unless specifically accepted in writing by the Seller.

6. Warranty. The products are covered by a warranty against defects in conformity that occur under normal use and proper handling of the product, as prescribed in the Seller's installation, use, and maintenance instructions, in accordance with applicable law. The warranty does not cover defects resulting from improper use or failure to follow the installation, use, and maintenance instructions provided by the Seller. The Customer is required to check the conformity of the products upon delivery and report any defects within 8 days of receipt by submitting a claim in accordance with point 7 below, under penalty of forfeiting the warranty.
Upon a timely and proper claim, and only after receiving the products deemed defective from the Customer, the Seller will replace or repair the products that, upon verification, are found to be defective and whose defects are attributable to the Seller. Compensation for any expenses, costs, direct and/or indirect damages, interest, or other indemnities of any kind or nature is excluded.

7. Claims. Any claims regarding product defects must be submitted in writing to the Seller within 8 days of receipt of the goods, under penalty of forfeiting the warranty referred to in the preceding point 6. To allow the Seller to verify the defects reported by the Customer, the Customer undertakes to return the defective products to the Seller at the same time as submitting the claim. Claims do not entitle the Customer to withhold, even partially, payment of the product price.

8. Applicable Law and Jurisdiction. These General Terms are governed by Italian law. Any dispute arising from the interpretation or execution of these General Terms will fall under the jurisdiction of the Court of Novara.

FSC
www.fsc.org
MISTO
Carta da fonti gestite in maniera responsabile
FSC® C129954

Cimberio is committed to sustainable development, using FSC-certified paper sourced from responsibly and environmentally managed forests.

REV. 0 of 02/2026

cimberio®
technological **valve** solutions

CIMBERIO S.P.A.
28017 San Maurizio d'Opaglio (NO) - Italy
Via Torchio, 57 - C.P. 106
Tel. +39 0322 923001
info@cimberio.it
www.cimberio.com