NO LEAD
LEAD-FREE

Product Range in Lead-Free Materials

Hydraulic components in CW511L-DW, CW724R-DW and stainless steel V2A and V4A

SferaTec Gebäudetechnik GmbH

Our range covers the common hydraulic components of building services and is available in a number of alloys. A large part of the positions is already available today lead-free: lead at max. 0.1 % by weight for the copper alloys, structural freedom from lead for stainless steel. Everything beyond that we produce to customer specification lead-free. Existing positions in standard brass or gunmetal we continue to supply for as long as they remain admissible in your market.

Product groups and materials

Product group	CW511L-DW (Pb max. 0.1 %)	CW724R-DW	V2A 1.4301	V4A 1.4404 / 1.4571
Y-strainers with male thread, series 5.74	●	●	-	-
Y-strainers with female thread	●	●	●	●
Ball valves, 2-way	●	●	●	●
Ball valves and diverter valves, 3-way	●	●	●	●
Check valves and backflow preventers	●	●	●	●
Antifreeze valves	●	●	-	-
Filling and make-up valves	●	●	●	●
Air vents, quick vents and microbubble separators	●	●	●	●
Fittings and unions	●	●	●	●
Adapters, reducers, nipples, accessories	●	●	●	●

Standard threads G 1/4 to G 2½. Further dimensions as well as female, male and mixed threads to drawing. ● means in the range, depending on article and size as standard or on request; - means not currently provided for. The specific material assignment is confirmed with the offer. Figures apply to the pressure-bearing metal parts; seals, screens and springs are specified separately.

Materials at a glance

Material	Designation	Properties	Typical use
CW511L-DW	CuZn38As	Dezincification resistant to ISO 6509, Pb max. 0.1 %, German UBA entry 2.5.3.2 without expiry date	Direct replacement for standard brass, heating and drinking water
CW724R-DW	CuZn21Si3P	Silicon brass, high strength, dezincification resistant, lead-free	Applications under pressure and temperature load
V2A, 1.4301	X5CrNi18-10	Austenitic stainless steel, structurally lead-free	Heating and cooling circuits, brine circuits
V4A, 1.4404 / 1.4571	X2CrNiMo17-12-2	Molybdenum alloyed, higher resistance to chloride induced corrosion, operating limits according to water chemistry and temperature	Drinking water, aggressive media, heat pumps

Evidence per position

Evidence	Scope
RoHS 2011/65/EU	Conformity without recourse to exemption 6(c)
REACH	Declaration on SVHC, no SCIP notification on account of lead for the delivered alloy
Drinking water	Material with a valid positive list entry, with reference to the European entry or the Art. 3 transition under (EU) 2024/367 and, where applicable, to the national scheme in your market
Material	Mill and material certificates as well as further certificates on request
Testing	Tightness and pressure test reports, dimensional reports on request

Options, Special Parts and Sampling

What is possible beyond the standard range

Premium option: high-performance electroplated coating for longer service life

For valves in contact with drinking water we offer a high-performance electroplated coating. It is assessed by the German UBA, held in the 4MS list and included in the first version of the European positive list, and the process works without chromium, lead, cobalt and cyanides.

Commercial benefit: markedly higher corrosion resistance and longer service life. In the salt spray test, coated valves showed no signs of corrosion after 248 hours, while uncoated reference samples showed clear signs. Worth considering with long maintenance intervals, high availability requirements and aggressive waters.

The coating improves surface and service life. Conformity on the material side continues to follow the delivered alloy.

Special parts and parts to drawing

We manufacture customer-specific valves and assemblies to drawing in the same materials, including different connection geometries, multi-way versions and assembled units. Our own product lines are laid out lead-free from the start.

Sampling and approval

Existing samples free of charge Subject to availability, we provide existing samples together with the available documentation free of charge.

Joint developments We sample according to the agreed approval process, with tightness, pressure and functional testing.

Changeover without a gap Marking, drawing status and delivery date are agreed in advance.

This allows the approval to be completed independently of how exemption 6(c) develops and ahead of the drinking water deadlines from 31.12.2026. Whoever samples now decides the timing themselves.

Why now

Predictability

Approvals run at your pace instead of under deadline pressure. If 6(c) expires, Art. 5(6) leaves at most 18 months for requalification, tooling and stock run-off.

Less administration

At max. 0.1 % lead, the REACH information duty under Art. 33 and the SCIP notification on account of lead both fall away.

One point of contact

Material selection, samples, evidence and series supply from a single source, including parts to drawing.

Send us your part list. We assign your positions to suitable materials and agree series, enquiry and sampling with you.

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Range as of October 2026, technical changes reserved. The applicable versions of Directive 2011/65/EU, Directive (EU) 2020/2184, the associated legal acts and their national transposition prevail. Product-specific evidence is provided on request.



Product example: Y-strainer with male thread, series 5.74, in CW511L-DW.