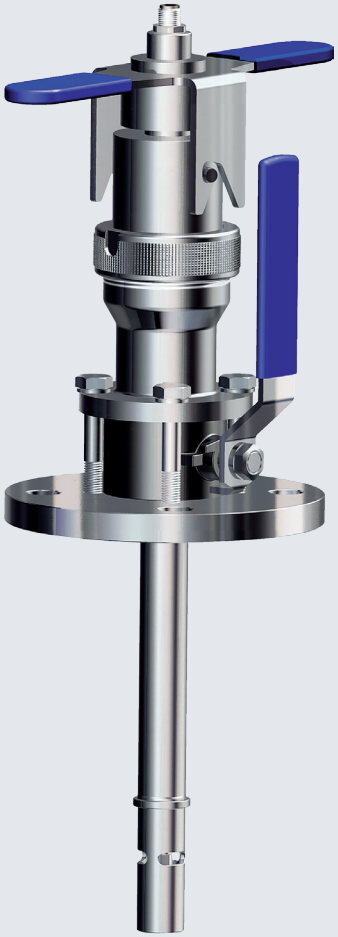


WA 125 Retractable Fitting

Stainless-steel ball-valve fitting with integrated 2-electrode sensor for conductivity measurement

Robust retractable fitting with ball valve. The coaxial conductivity sensor integrated in the immersion tube has a large measuring range from ultrapure water to 1000 µS/cm. After retraction of the immersion tube, the sensor can be serviced, cleaned, or replaced during the running process. The outer electrode is replaceable. A temperature detector is integrated in the sensor for exact temperature compensation.

Applications

Boiler feed water, feed water, boiler water, cooling water, pure water, condenser monitoring

Facts

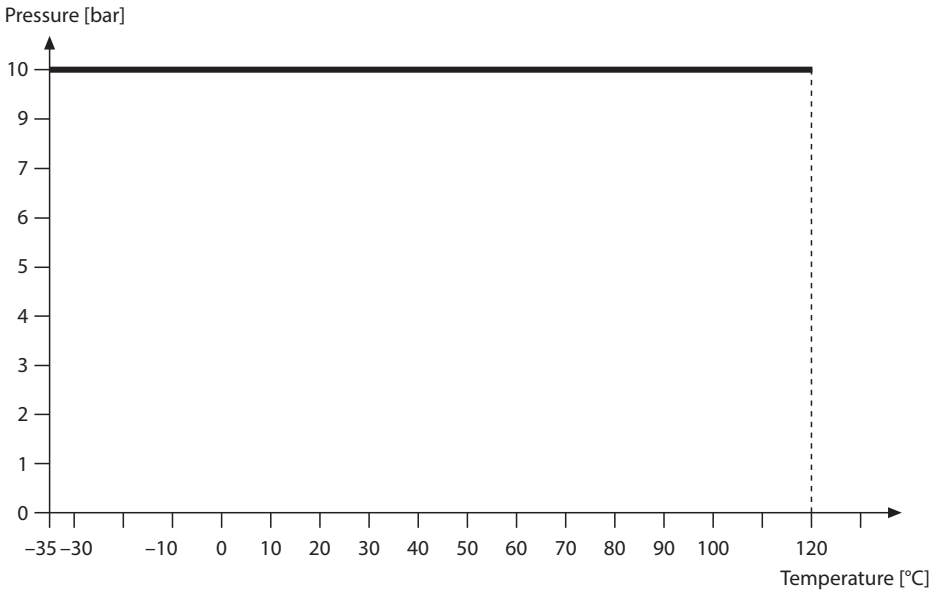
- large measuring range from 10 nS/cm to 1000 µS/cm
- integrated temperature detector
- retractable fitting with robust ball valve
- long insertion length of the sensor in the process
- safe and easy handling
- maintenance, cleaning, and replacement of the sensor during the running process
- sensor movement up to process pressures of 6 bars possible
- safe sensor locking in process position with bayonet locking mechanism
- high level of process safety due to durable materials and robust design

Product Line		Order No.
WA 125 Retractable Fitting	with integrated 2-electrode conductivity sensor	**WA 125**

Specifications

Cell constant:	approx. 0.021 cm^{-1}
Measuring range:	0.01 ... 1000 µS cm^{-1}
Temperature detector:	Pt 1000
Response time:	T90 < 45 s
Materials:	stainless steel 316 SS, PEEK, EPDM
Temperature:	medium: –30 ... +120 °C environment: –25 ... +80 °C
Pressure (static):	max. 10 bars at –30 ... +120 °C
Pressure (maintenance):	max. 6 bars
Screw cap:	M12
Protection:	IP 67 with closed connection
Process connection:	flange DIN EN 1092-1/B 1/DN 50/PN 16
Insertion length:	210 mm

Pressure/Temperature Diagram



Dimension Drawings