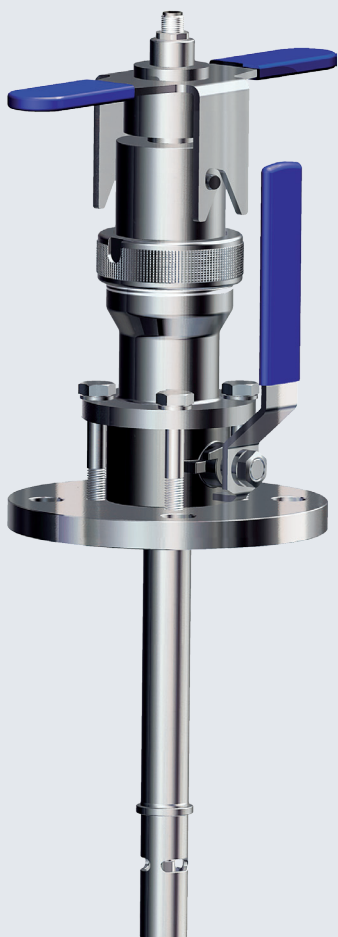


# Retractable Fittings

Chem

Energy



## 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  $\mu\text{S}/\text{cm}$ . 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  $\mu\text{S}/\text{cm}$
- 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

WA 125 Retractable Fitting

Order No.

with integrated 2-electrode conductivity sensor

**WA 125**

### Specifications

Cell constant:	approx. 0.021 $\text{cm}^{-1}$
Measuring range:	0.01 ... 1000 $\mu\text{S cm}^{-1}$
Temperature detector:	Pt 1000
Response time:	$T_{90} < 45 \text{ s}$
Materials:	stainless steel 316 SS, PEEK, EPDM
Temperature:	medium: $-30 \dots +120 \text{ }^\circ\text{C}$ environment: $-25 \dots +80 \text{ }^\circ\text{C}$ max. 10 bars at $-30 \dots +120 \text{ }^\circ\text{C}$
Pressure (static):	max. 6 bars
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

For up-to-date information, please visit [www.knick.de](http://www.knick.de)

Isolation Amplifiers  
Transmitters

Indicators

Process Analytics

Portable Meters

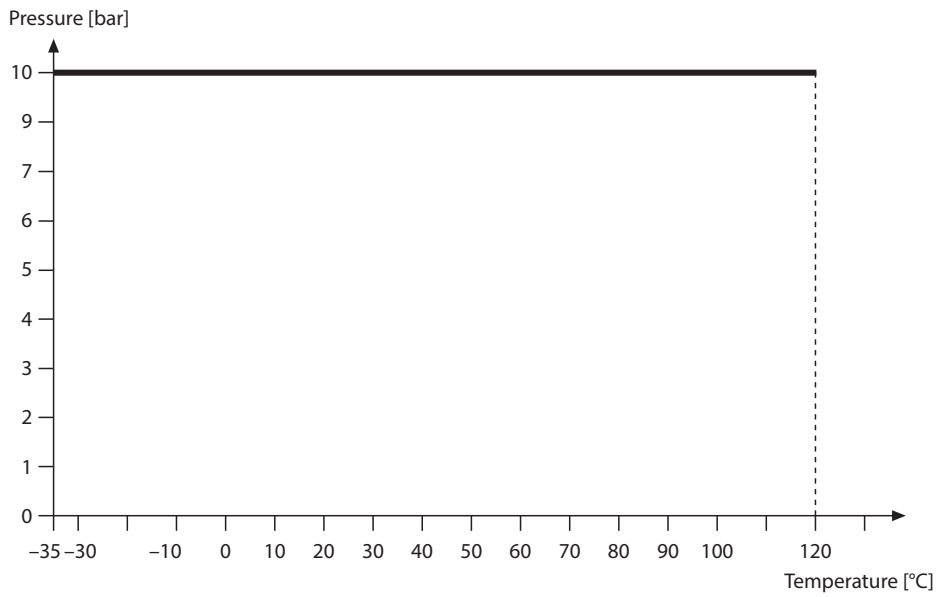
Laboratory Meters

Sensors

Fittings

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### Pressure/Temperature Diagram



### Dimension Drawings

