

Immersion Fittings

Chem

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Water

ARD 220 Immersion Fitting

Simultaneous measurement with up to 3 sensors

Universal immersion fitting, individually adaptable to the process conditions by different sensor adapters, immersion lengths, materials of fitting and gaskets, and process connections. Dirt-proof due to smooth, break-free design.

Applications

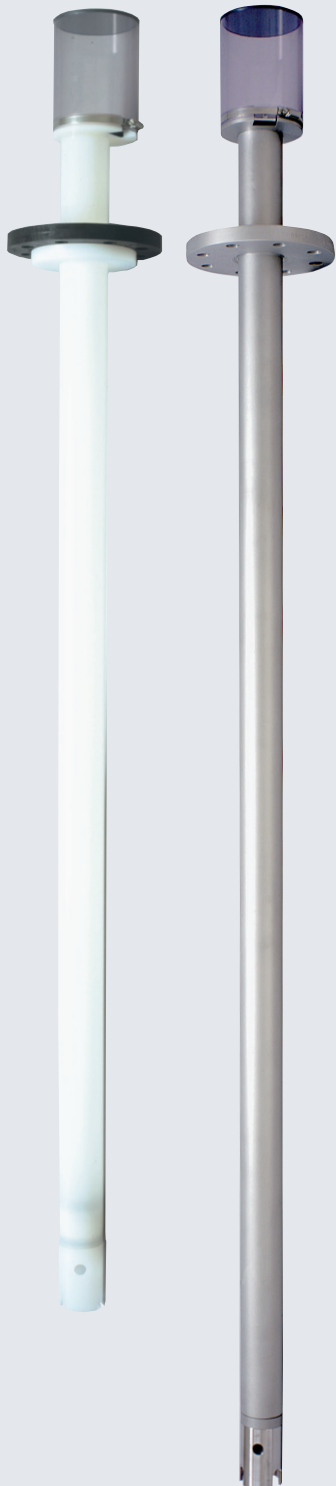
- PP: water, wastewater, industrial water
PVDF: chemical and petrochemical industry, power plants, electroplating, ore processing
1.4571: chemical and petrochemical industry, power plants, electroplating, ore processing; high stability and warp resistance, high pressure and temperature stability

Facts

- adaptable to virtually every process due to different lengths: 260 mm to 2,000 mm
- materials: PP-H, PVDF, or 1.4571 stainless steel
- sensor adaptations: 3 x Pg 13.5 or 1 x G1-, special connections for conductivity sensors
- operation with SE 538 (pH sensor with electrolyte reservoir) possible
- process connections: flanges, pipe clamp, catenary suspension
- measurement in tanks, basins, and channels
- dirt-proof sensor mounting

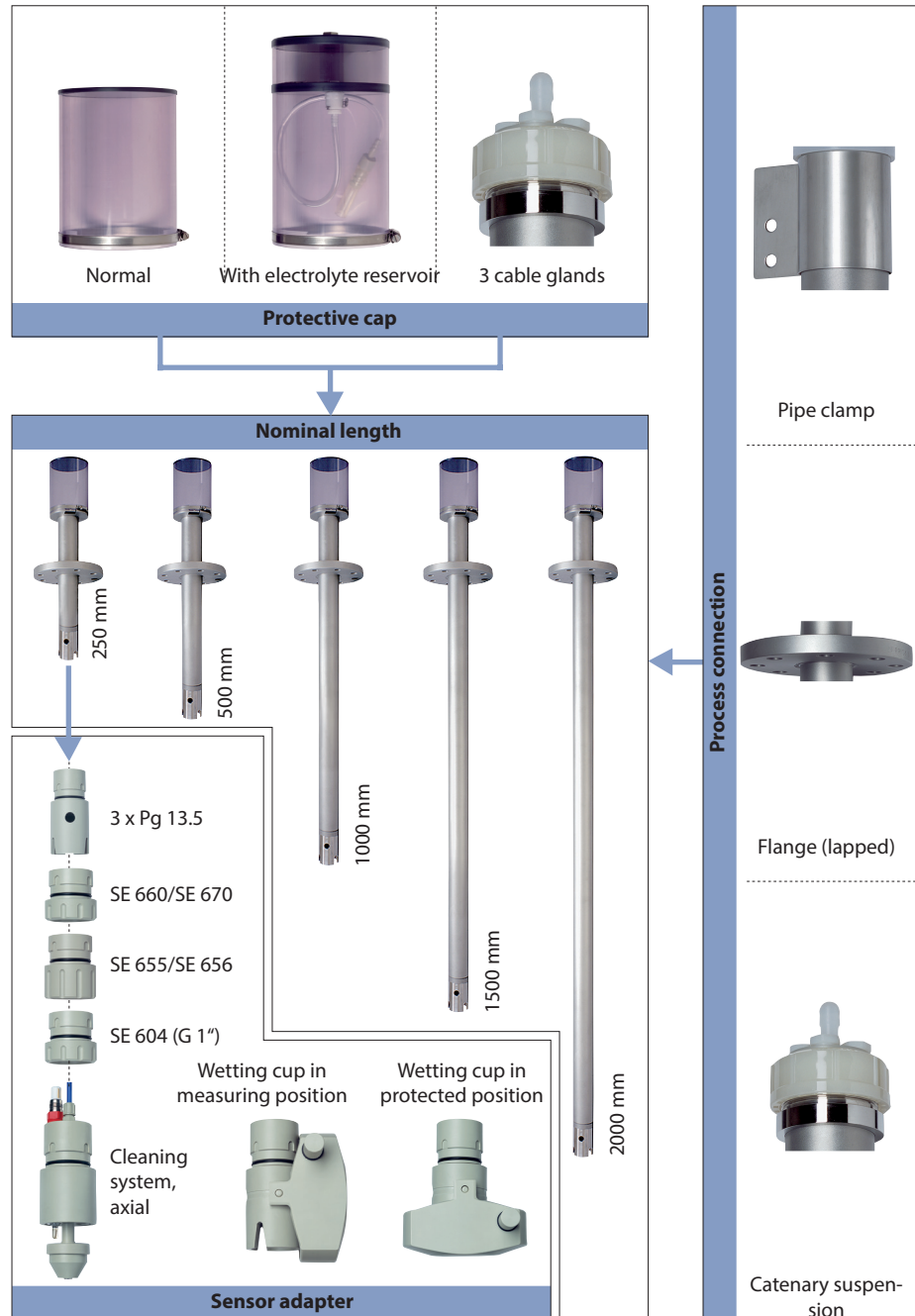
Specifications

Material:	see product line (page 162)
Process connection:	see product line (page 162)
Nominal length:	see product line (page 162)
Diameter:	Ø 63 mm
Pressure:	PP-H: unpressurized (90 °C), 1 bar (30 °C) PVDF: unpressurized (120 °C), 1 bar (50 °C) 1.4571: 6 bars
Temperature:	PP-H: 0 ... 90 °C PVDF: -20 ... +120 °C 1.4571: -35 ... +135 °C
Sensor locations:	see product line (page 162)
Sensors:	see product line (page 162)



Modular System

This immersion fitting is available in 5 different nominal lengths per material. Different protective caps, process connections, and sensor adapters complete this modular system.



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Product Line

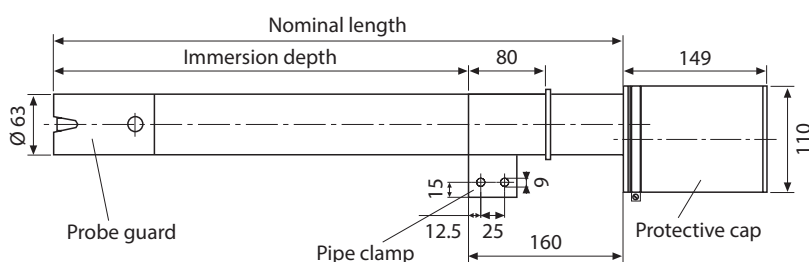
Order No.

		ARD 220 /				
Material	PP-H PVDF 1.4571	1 2 3				
Sensor adapter	3 x Pg 13.5 3 x Pg 13.5 with cleaning system axial (PP-H / PVDF) SE 660 SE 655 (X)/SE 656 (X) SE 604 (G 1") SE 670/G1	1 A 3 4 7 E				
Process connection	pipe clamp flange, lapped DN 65 PN 16 catenary suspension pipe clamp and wetting cup (PP-H / PVDF)	2 3 4 9				
Nominal length	260 500 1000 1500 2000	1 2 3 4 5				
Protective cap	normal with electrolyte reservoir 3 cable glands	1 2 3				
Gasket material	EPDM FKM (Viton) FFKM (Kalrez)	1 2 3				

Other versions on request.

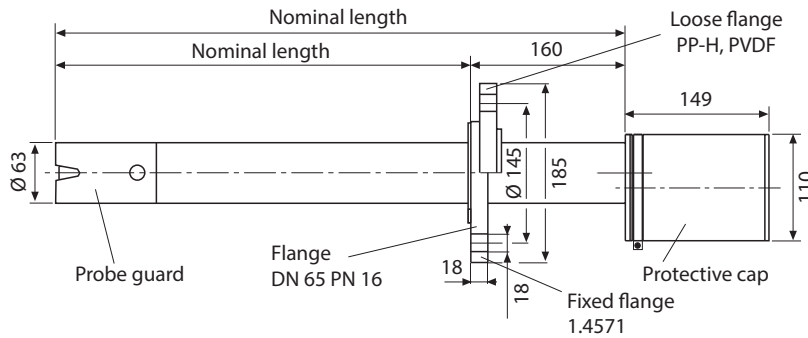
Dimension Drawings

Pipe clamp

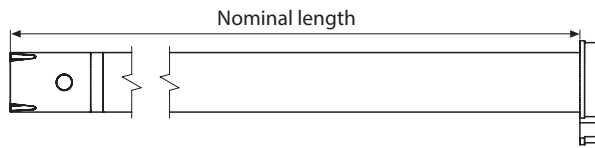


Dimension Drawings – continued

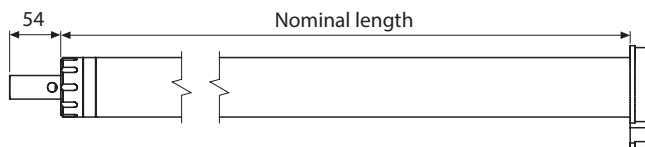
Flange DN 65 PN 16



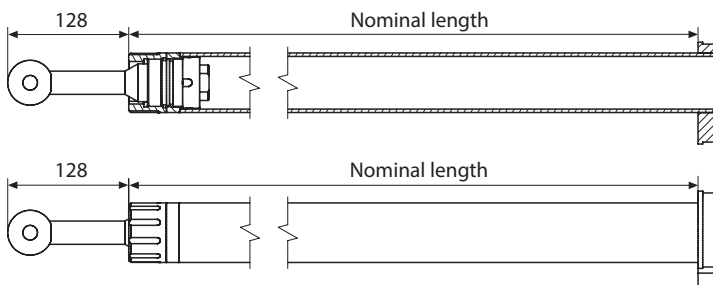
Sensor adapter 3 x Pg 13.5



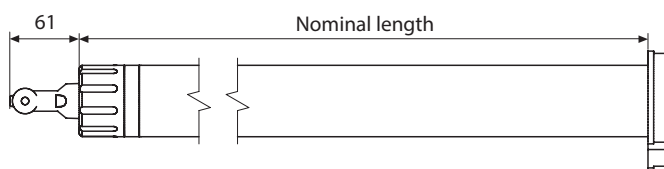
Sensor adapter for 2-electrode sensor SE 604/SE 604 (X)-MS



Sensor adapter for electrodeless sensors SE 655/SE 656



Sensor adapter for electrodeless sensors SE 67 /G1



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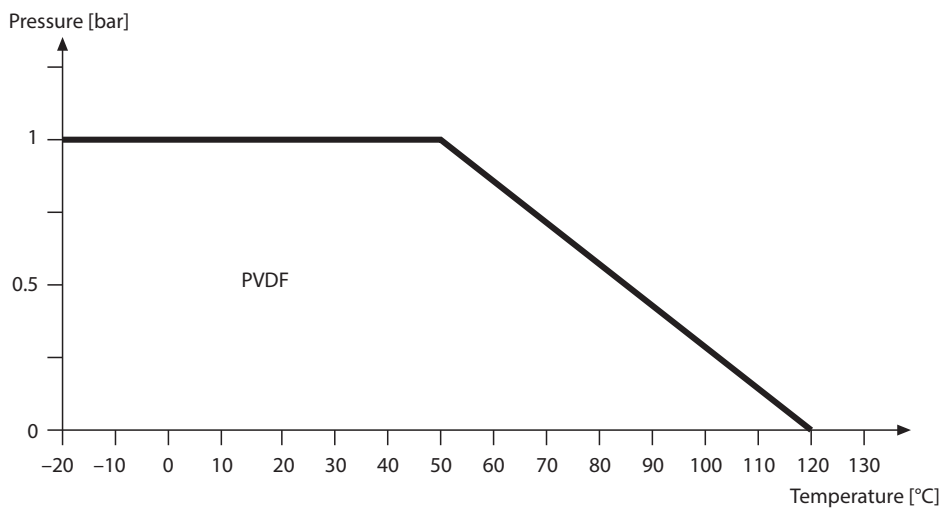
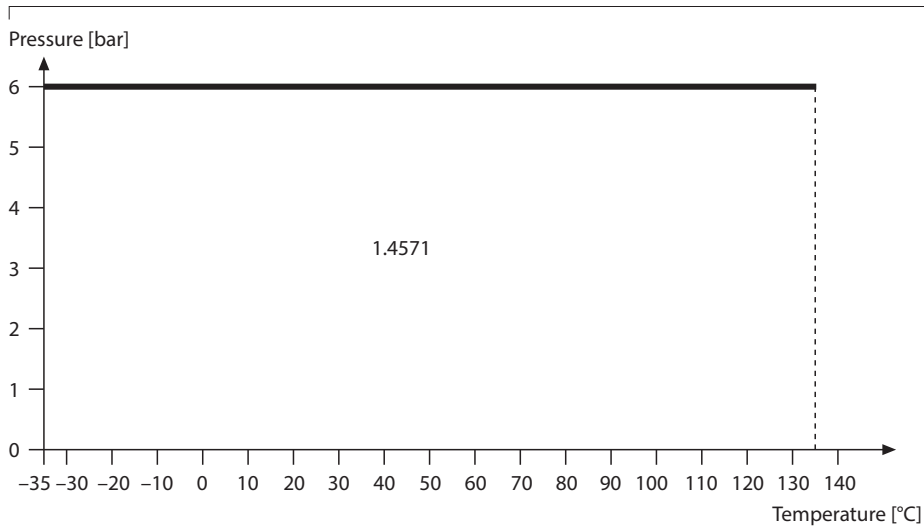
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Pressure/Temperature Diagrams



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Pressure/Temperature Diagrams – continued

