

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

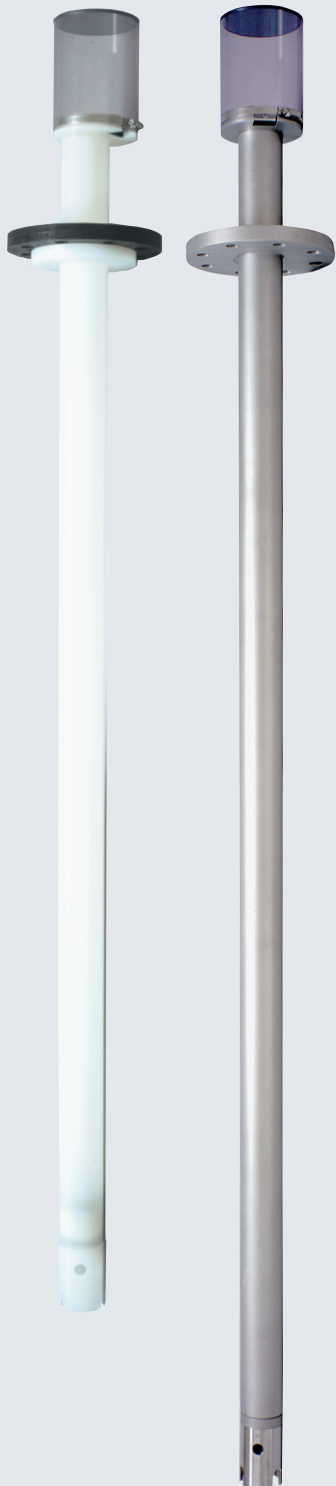
- PP: water, wastewater, industrial water
 PVDF: chemical and petrochemical industry, power plants, electroplating, ore processing
 1.4571: chemical and petrochemical industry, power plants, electroplating, ore processing; high stability and warp resistance, high pressure and temperature stability

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

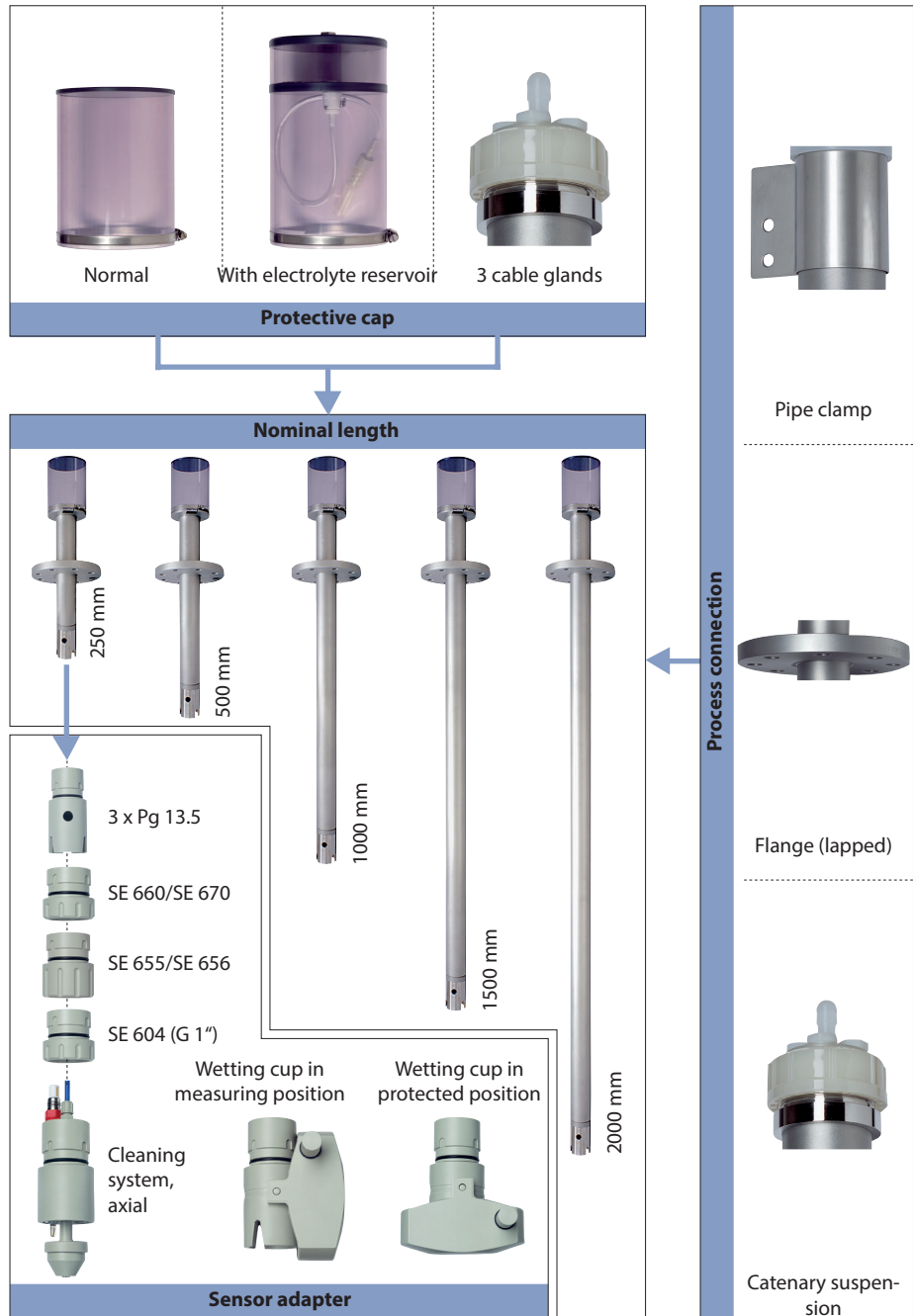
Specifications

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.



Immersion Fittings

Chem

Energy

Water

ARD 220 Immersion Fitting

Product Line

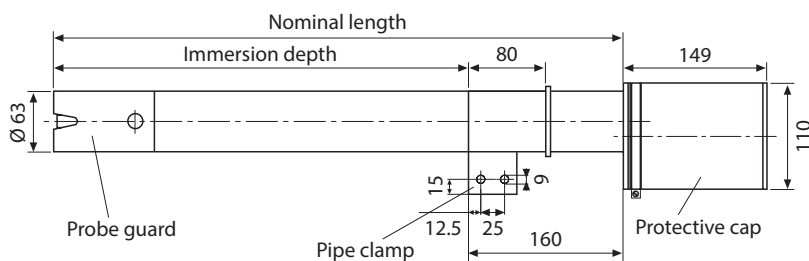
Order No.

		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.

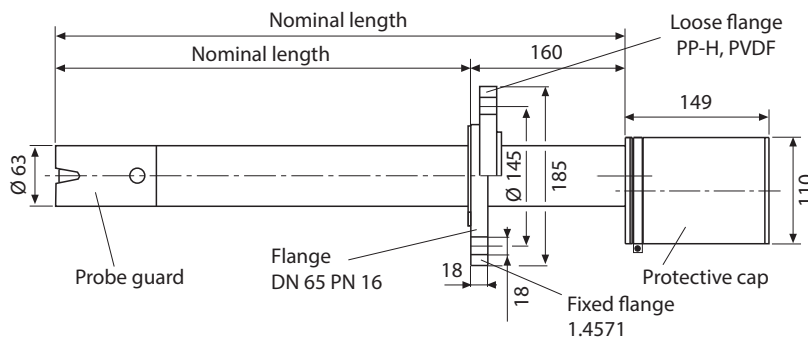
Dimension Drawings

Pipe clamp

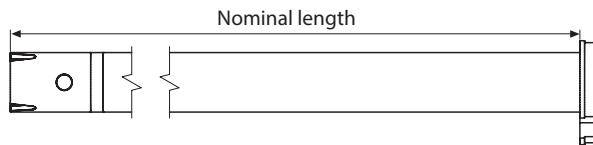


Dimension Drawings – continued

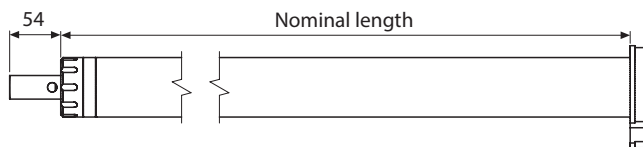
Flange DN 65 PN 16



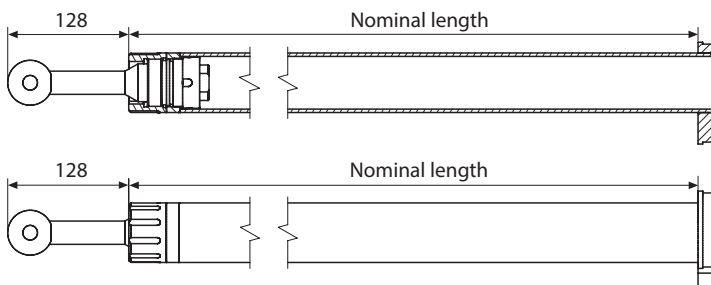
Sensor adapter 3 x Pg 13.5



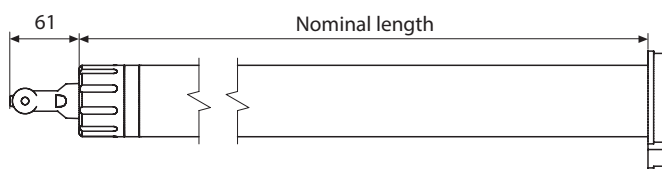
Sensor adapter for 2-electrode sensor SE 604/SE 604 (X)-MS



Sensor adapter for electrodeless sensors SE 655/SE 656



Sensor adapter for electrodeless sensors SE 67 /G1



Immersion Fittings

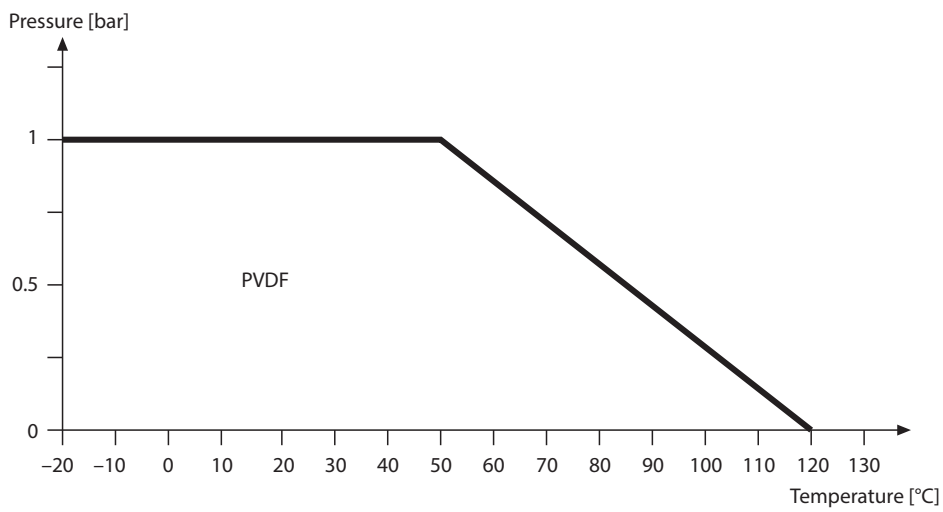
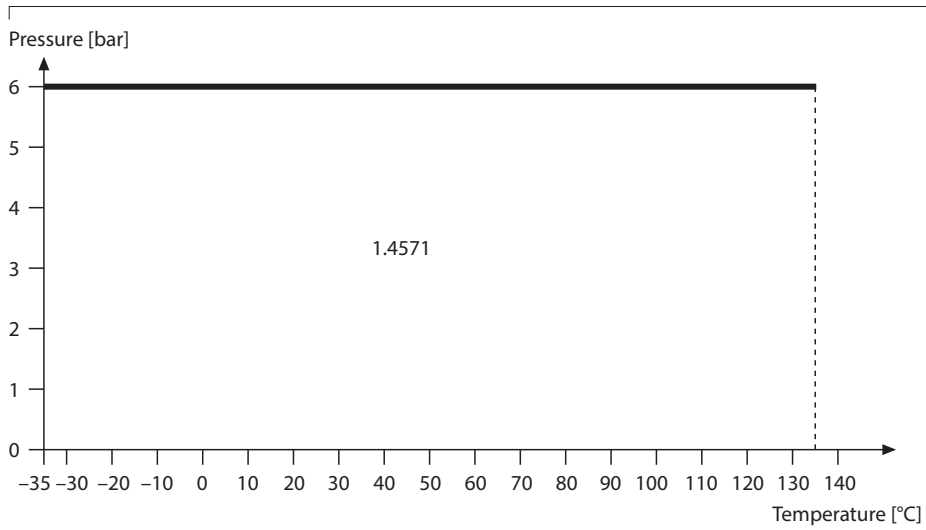
Chem

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Pressure/Temperature Diagrams



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Pressure/Temperature Diagrams – continued

