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

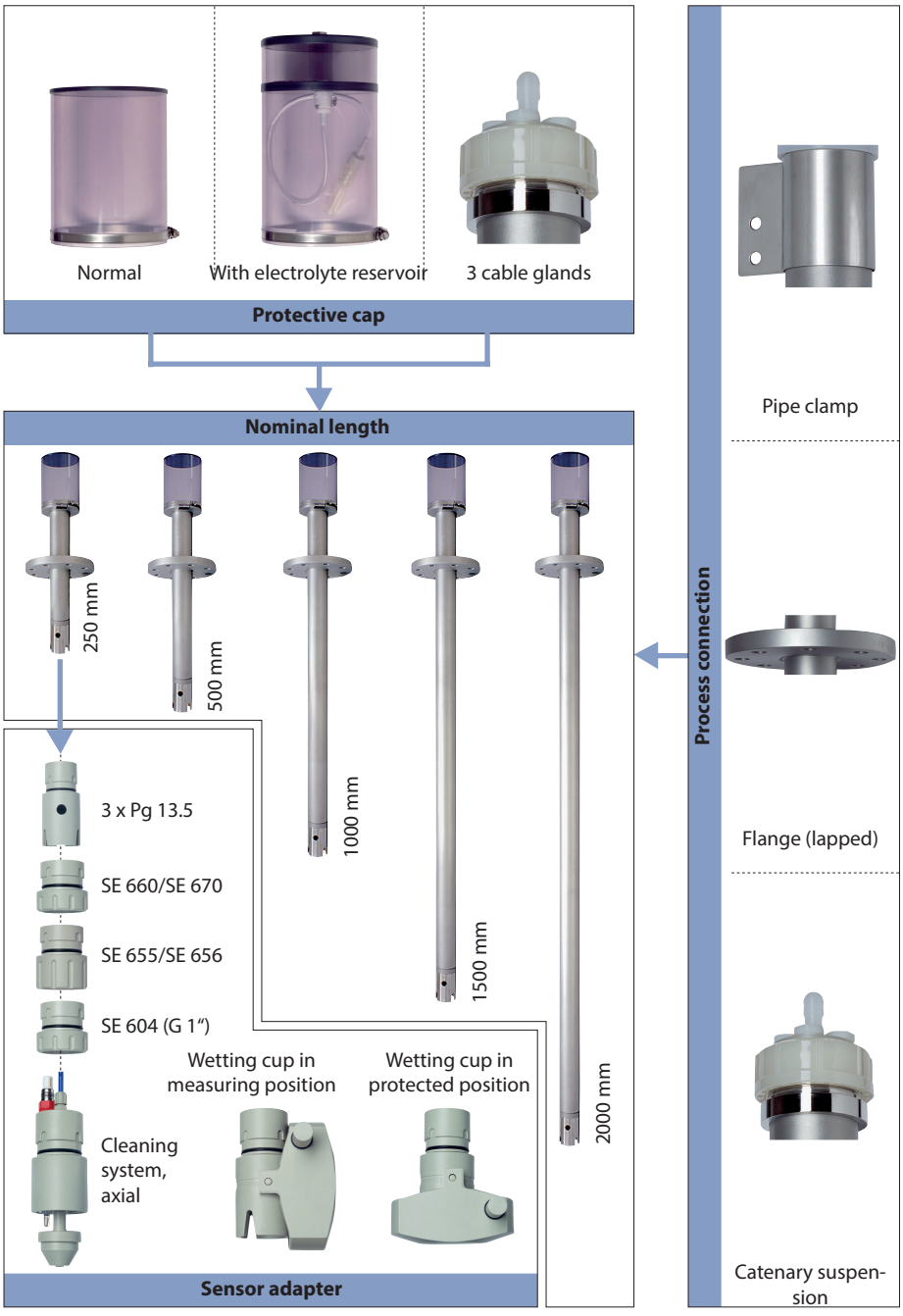
Specifications

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)

Knick

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.



ARD 220 Immersion Fitting

Product Line Order No.

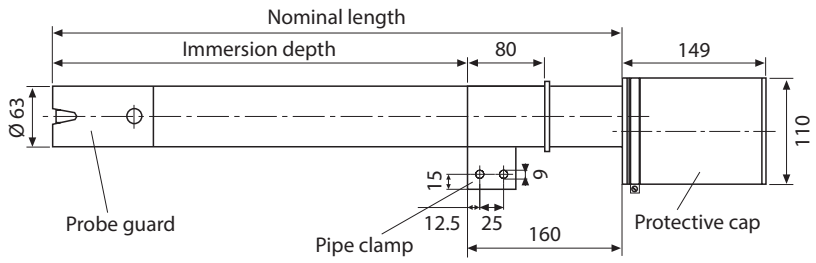
ARD 220 / | | | | | | |

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

Other versions on request.

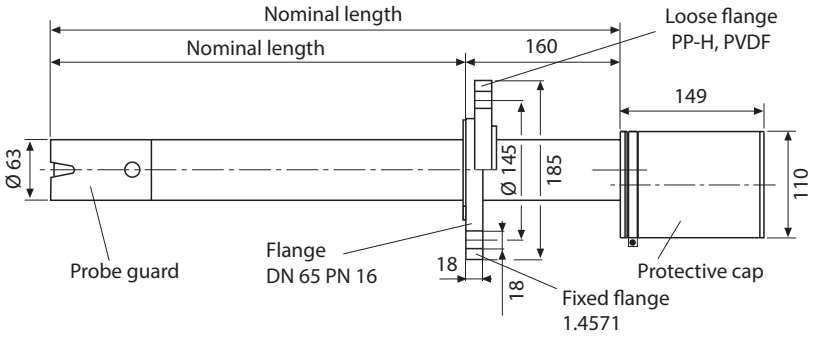
Dimension Drawings

Pipe clamp

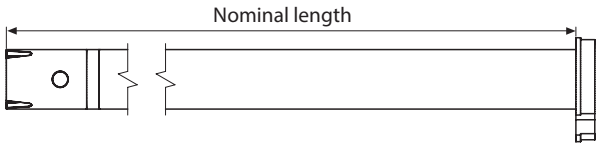


Dimension Drawings – continued

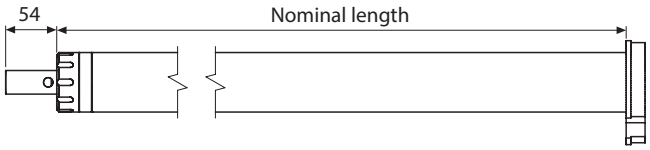
Flange DN 65 PN 16



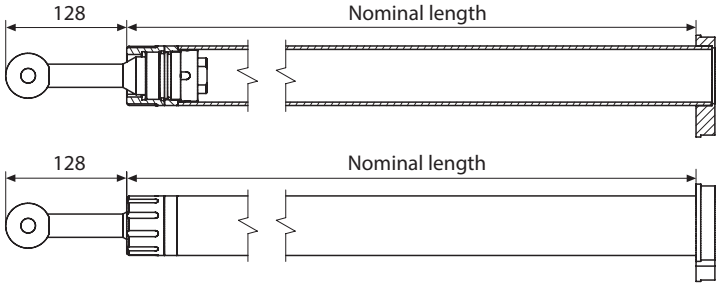
Sensor adapter 3 x Pg 13.5



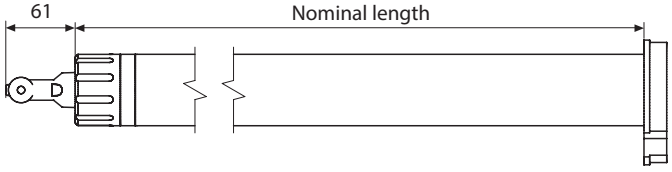
Sensor adapter for 2-electrode sensor SE 604/SE 604 (X)-MS



Sensor adapter for electrodeless sensors SE 655/SE 656



Sensor adapter for electrodeless sensors SE 67 /G1



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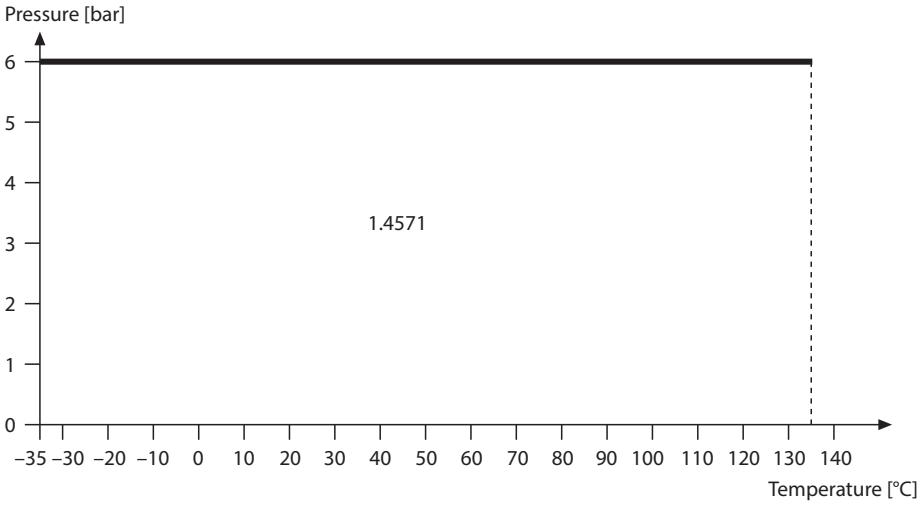
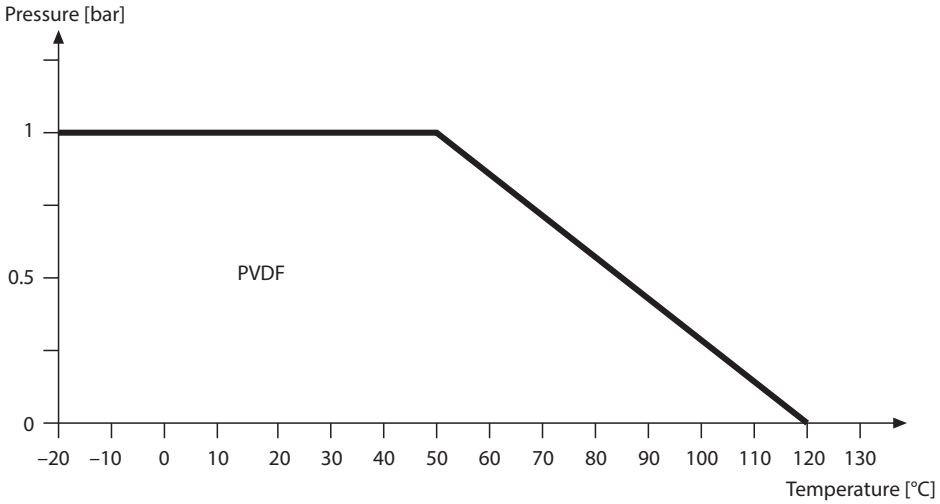
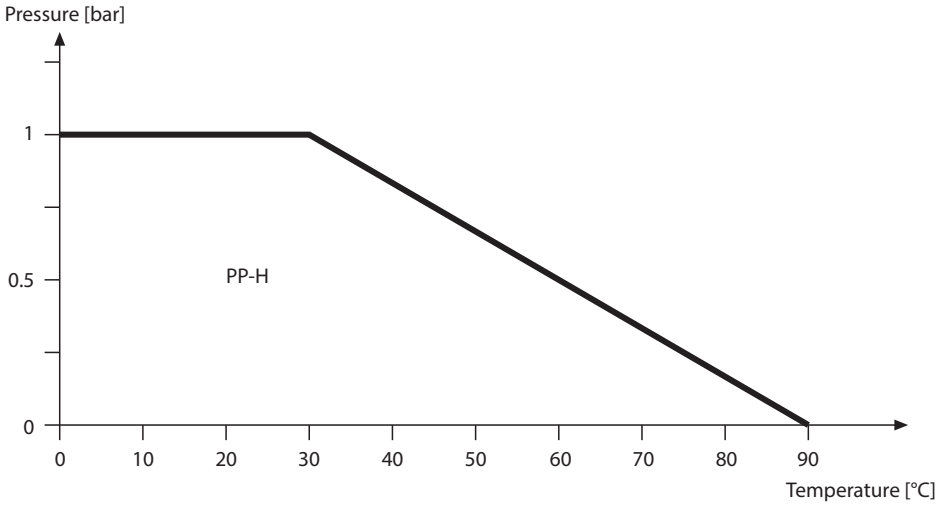
Pressure/Temperature Diagrams





Pressure/Temperature Diagrams – continued