

ARD 230 Immersion Fitting

Immersion fitting with small diameter

Universal immersion fitting for sensors with Pg 13.5 connection, individually adaptable to the process conditions by different 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: 250 to 2000 mm
- materials: PP-H, PVDF, and 1.4571 stainless steel
- sensor adaptation: Pg 13.5
- process connections: flanges, pipe clamp, and catenary suspension
- measurement in tanks, basins, and channels
- dirt-proof sensor mounting

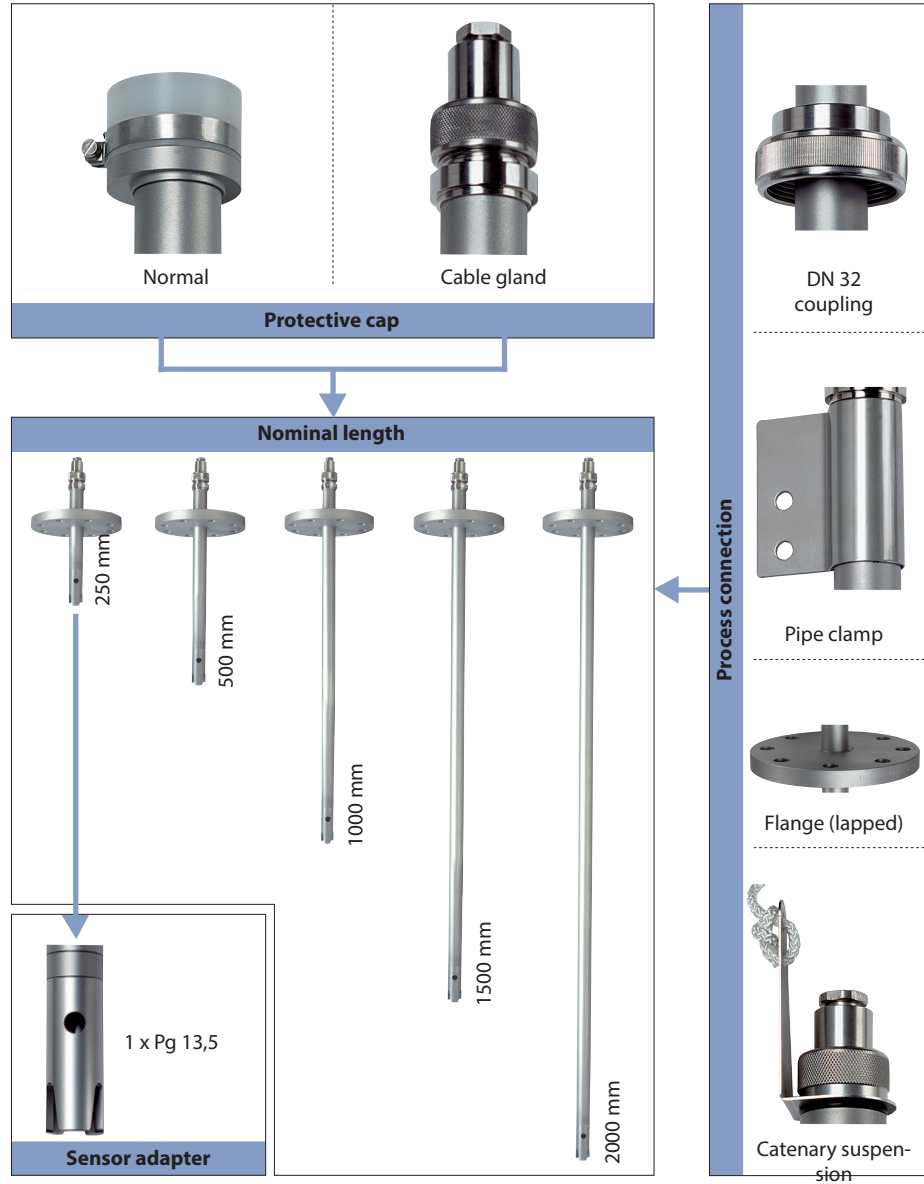
Specifications

Material:	see product line (page 168)
Process connection:	see product line (page 168)
Nominal length:	see product line (page 168)
Diameter:	Ø 32 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:	1 x Pg 13.5
Sensors:	Pg 13.5, L = 120 mm



Modular System

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



Immersion Fittings

Chem

Energy

Water

ARD 230 Immersion Fitting

Product Line

Order No.

		ARD 230 /					
Material	PP-H	1					
	PVDF	2					
	1.4571	3					
Sensor adapter	1 x Pg 13.5	1					
Process connection	DN 32 coupling	1					
	pipe clamp	2					
	flange, lapped DN 32 PN 10/16	3					
	catenary suspension ¹⁾	4					
	flange DN 50 PN 10/16 ²⁾	5					
	flange DN 65 PN 10/16	7					
	pipe clamp and wetting cup (PP-H/PVDF)	9					
flange DN 40 PN 10/16	K						
Nominal length	250		1				
	500		2				
	1000		3				
	1500		4				
	2000		5				
Protective cap	normal				1		
	cable gland				2		
Sealing material	EPDM					1	
	FKM (Viton)					2	
	FFKM (Kalrez)					3	

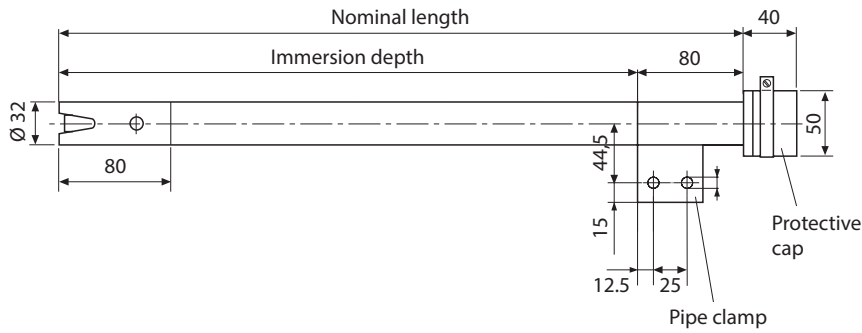
¹⁾ PP-H and PVDF only in nominal length 250 and with cable gland

²⁾ Lapped flange PP-H, PVDF; fixed flange 1.4571

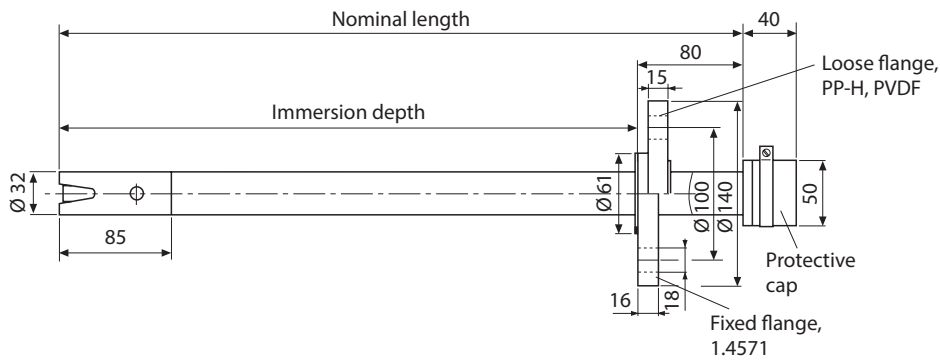
Other versions on request.

Dimension Drawings

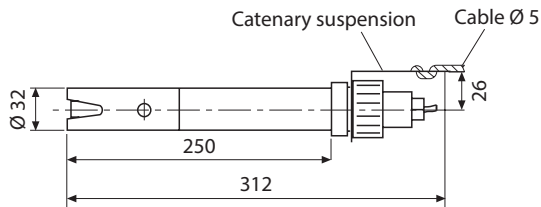
Pipe clamp



Flange DN 65 PN 16



Flange DN 65 PN 16



Immersion Fittings

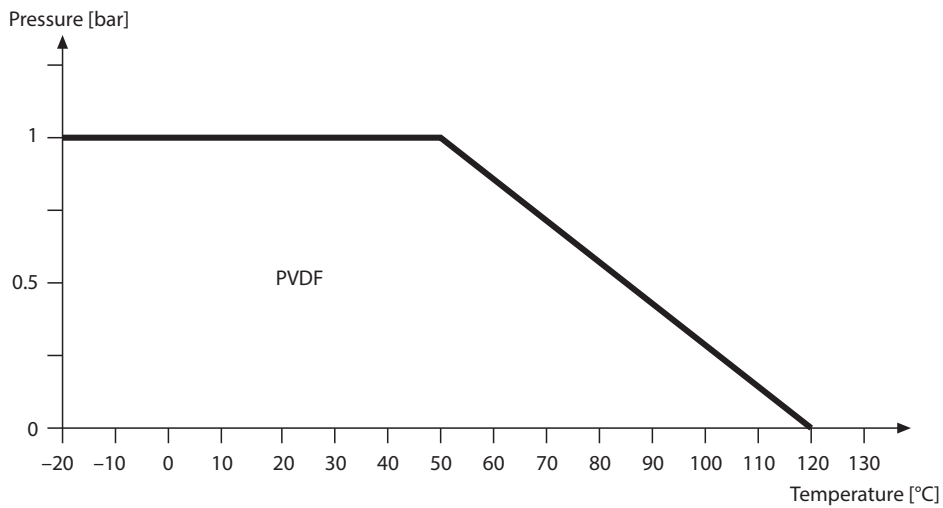
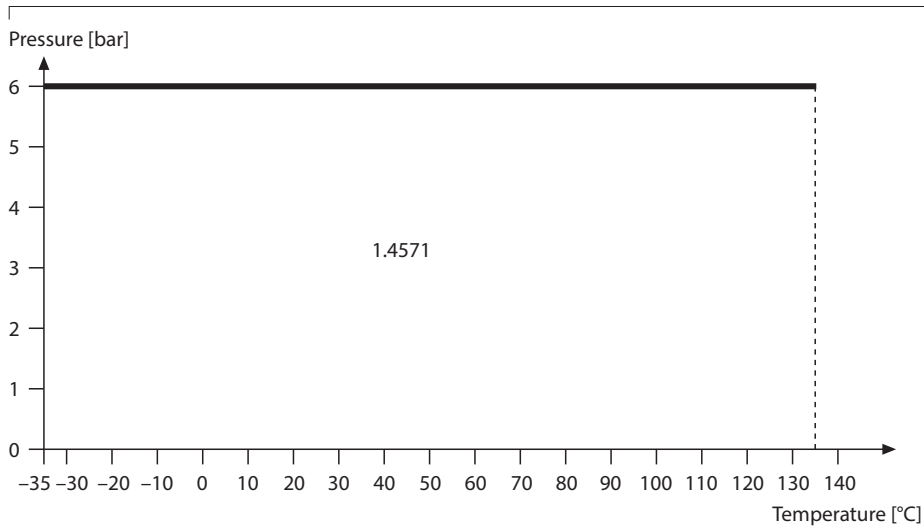
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ARD 230 Immersion Fitting

Pressure/Temperature Diagrams



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