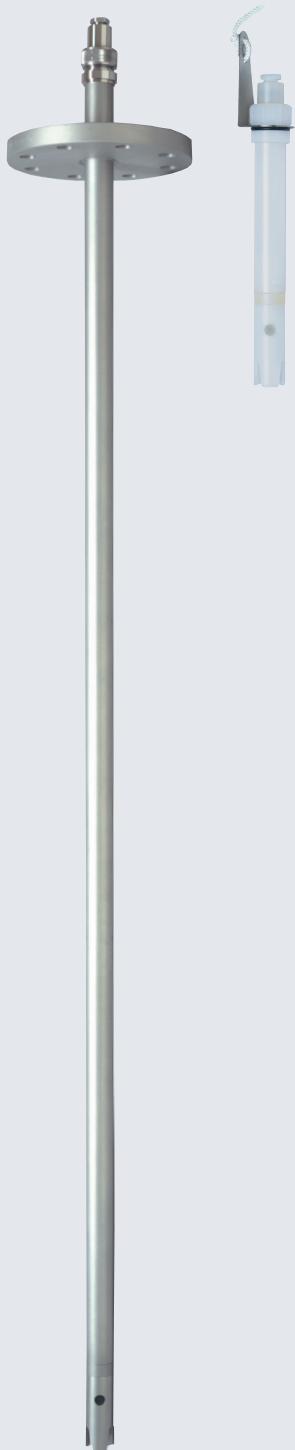


# Immersion Fittings

Chem

Energy

Water



## 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

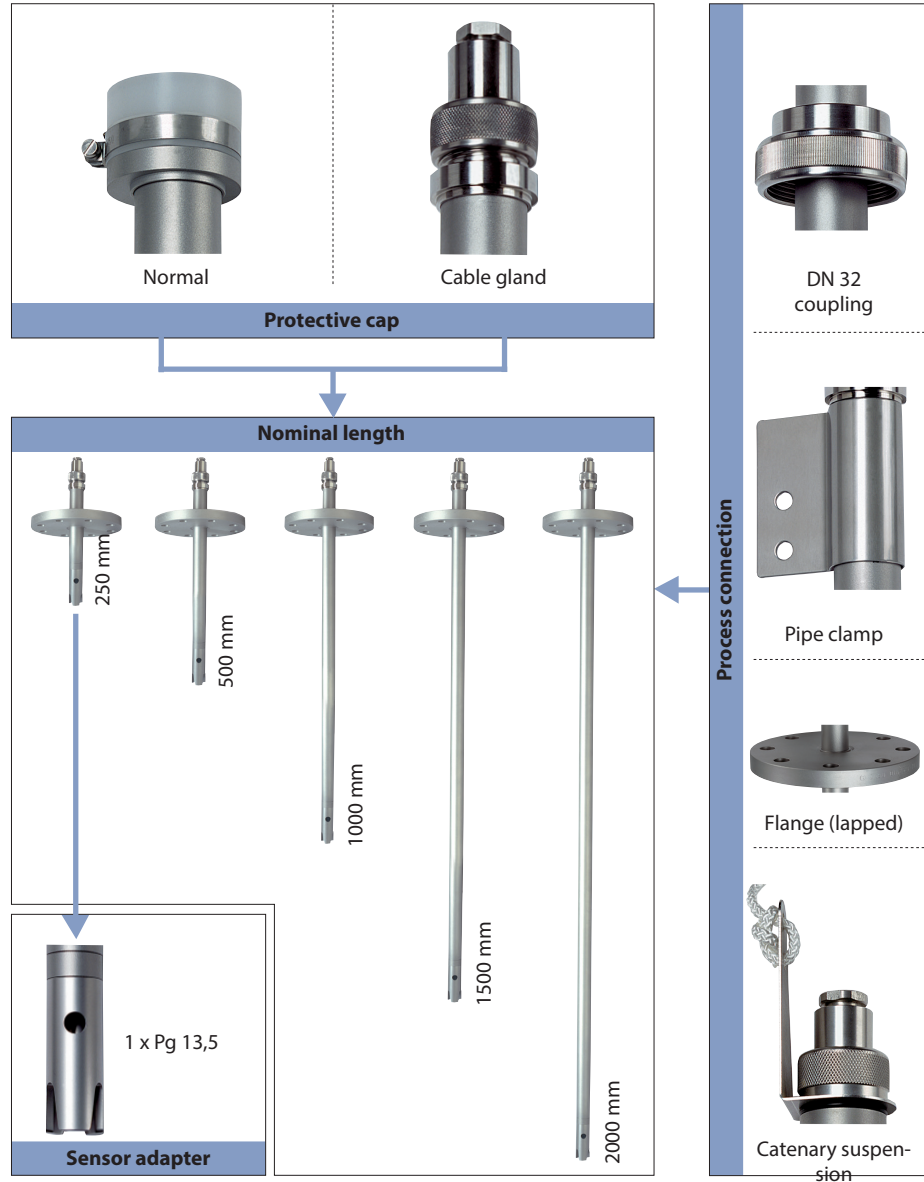
#### Specifications

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

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## ARD 230 Immersion Fitting

Product Line

Order No.

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

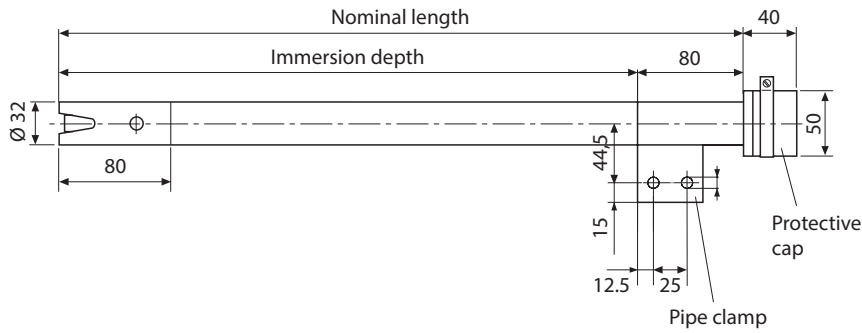
<sup>1)</sup> PP-H and PVDF only in nominal length 250 and with cable gland

<sup>2)</sup> Lapped flange PP-H, PVDF; fixed flange 1.4571

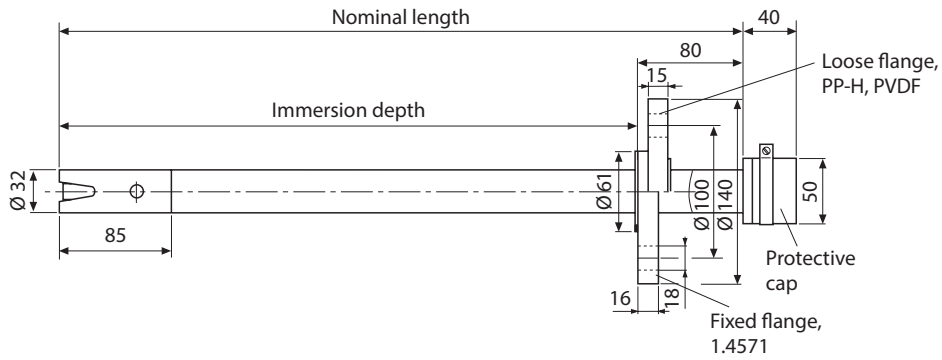
Other versions on request.

**Dimension Drawings**

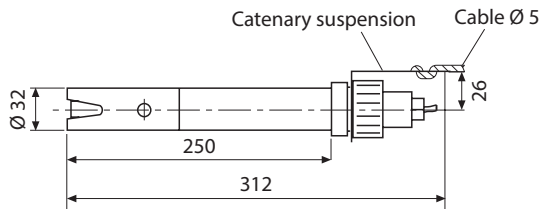
**Pipe clamp**



**Flange DN 65 PN 16**



**Flange DN 65 PN 16**



# Immersion Fittings

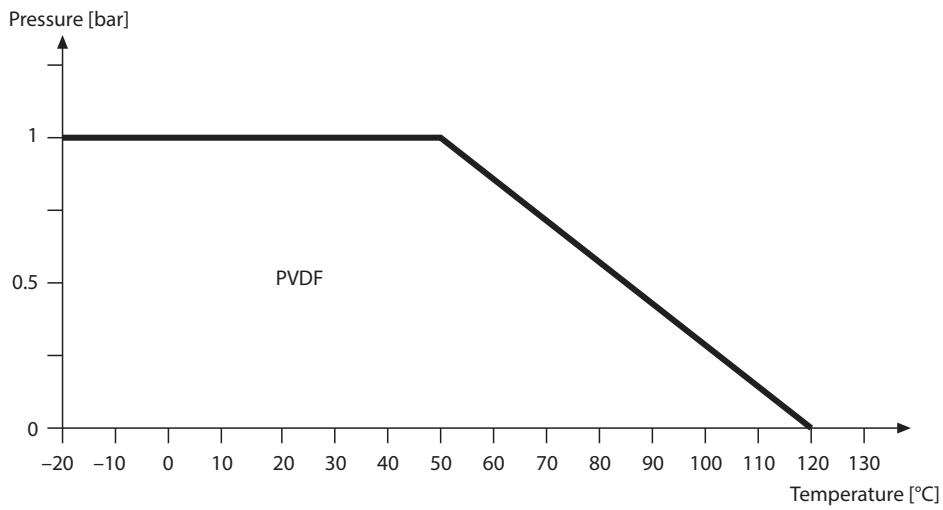
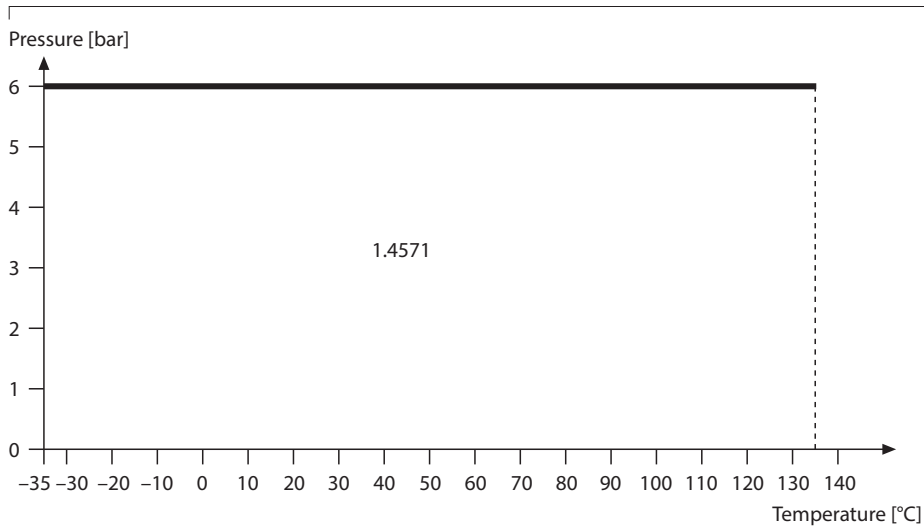
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## ARD 230 Immersion Fitting

### Pressure/Temperature Diagrams



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### Pressure/Temperature Diagrams – continued

