



ARD 220 Immersion Fitting

Simultaneous measurement with up to 3 sensors

Universal immersion fitting made of stainless steel (1.4571), individually adaptable to process requirements with a range of immersion lengths, gaskets, and process connections. Dirt-proof due to smooth, break-free design. High-quality 1.4571 stainless steel enables the fitting to be used at higher pressures and temperatures.

Applications

Chemical and petrochemical industry, power plants, electroplating, ore processing; high stability and warp resistance

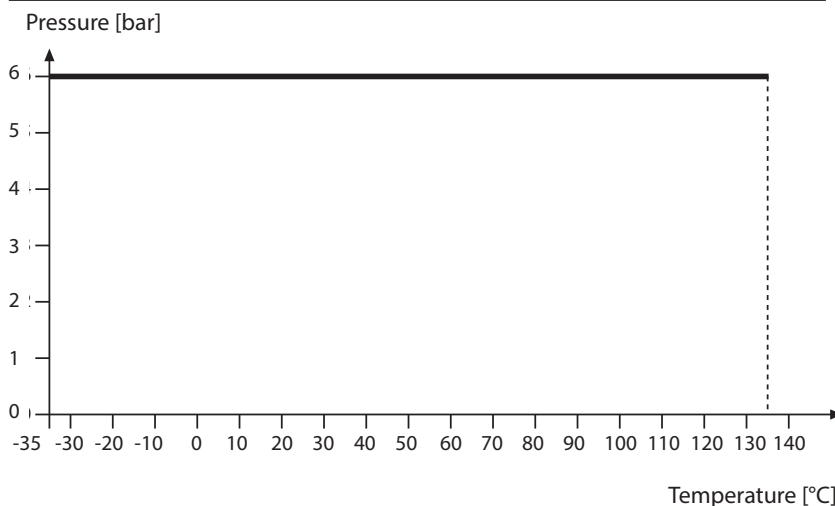
Facts and Features

- Adaptable to virtually every process due to different lengths: 260 to 2000 mm
- Material: Stainless steel 1.4571
- Sensor adapters: 3 x PG 13.5, SE 670 G1 / SE 655, SE 656 (G $\frac{3}{4}$ ") / SE 680 / G1 for SE 604-MS, SE 605-MS, SE 630-MS
- Operation with SE 560 (pH sensor with refillable liquid electrolyte) possible
- Process connections: flanges, pipe clamp, catenary suspension
- Measurement in tanks, basins and channels
- Dirt-proof sensor mounting

Specifications

Material:	See product range
Process connection:	See product range
Nominal length:	See product range
Diameter:	Ø 63 mm
Pressure:	6 bar
Temperature:	-35 ... 135 °C
Sensor adapters:	See product range

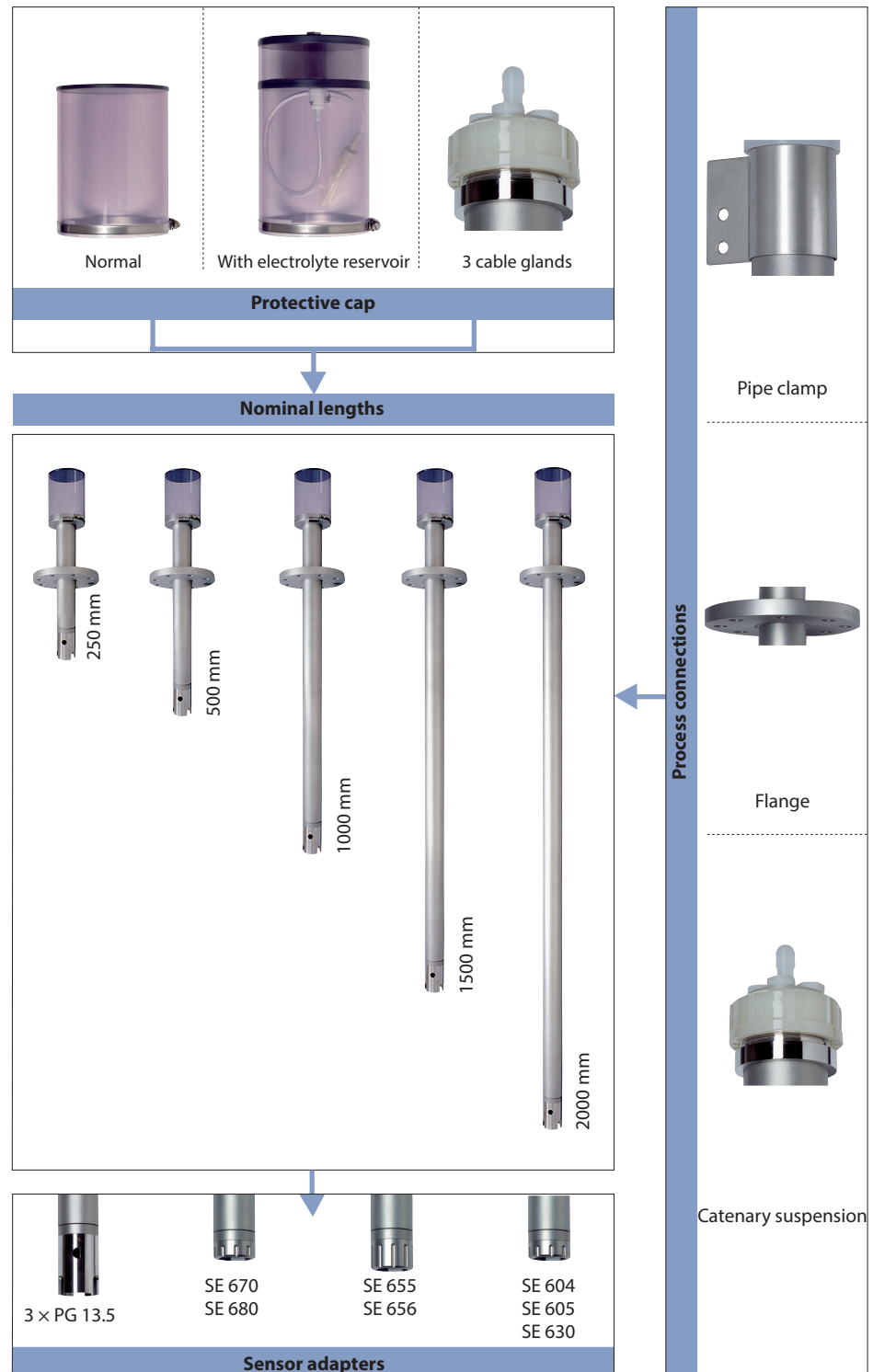
Pressure/Temperature Diagram



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Modular System

This immersion fitting comes in 5 different nominal lengths (further nominal length on request). Different protective caps, process connections, and sensor adapters complete this modular system.



Product Range

Material: 1.4571

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3					
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Sensor adapter

3 x PG 13.5
SE 655 (X) / SE 656 (X)
SE 604 (G1), SE 605 (G1), SE 630 (G1)
SE 670
SE 680

1				
4				
7				
E				
8				

Process connection

Without
Pipe clamp
Catenary suspension

Flange, fixed, DN 65 PN 10/16
Flange, fixed, DN 80 PN 10/16
Flange, fixed, DN 100 PN 10/16

Flange fixed, ANSI 2.5"
Flange fixed, ANSI 3"

0			
2			
4	1	3	
3			
A			
5			
7			
8			

Nominal length [mm]

260
500
1000
1500
2000

1		
2		
3		
4		
5		

Protective cap

Normal (PVC)
With electrolyte reservoir (PVC)
3 x cable glands (PVDF)

1	
2	
3	

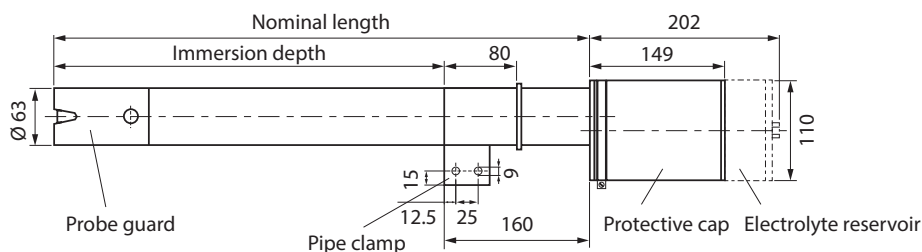
Gasket material

EPDM
FKM
FFKM

1
2
3

Dimension Drawings

Pipe clamp

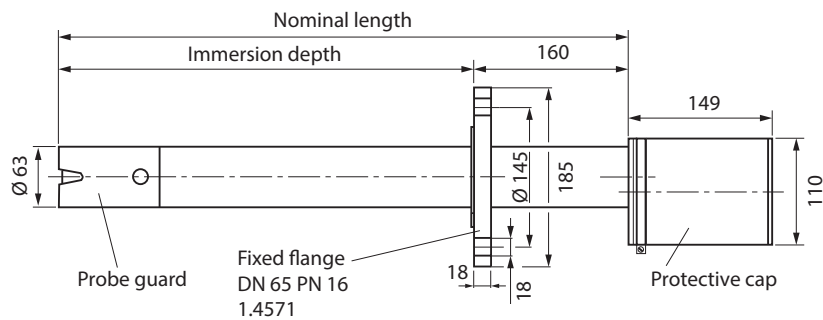


All dimensions in mm.

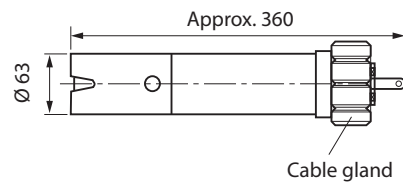
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Dimension Drawings – Continued

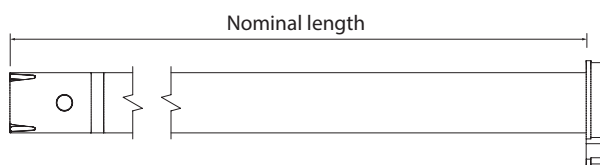
Flange, DN 65 PN 16



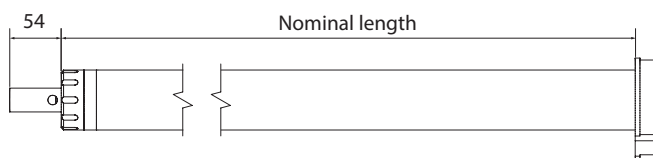
Immersible version with cable gland and catenary suspension



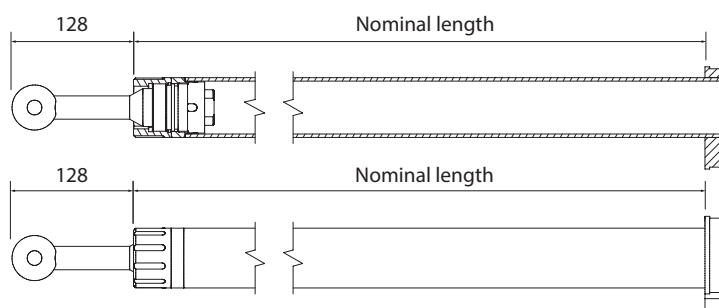
Sensor adapter 3 x PG 13.5



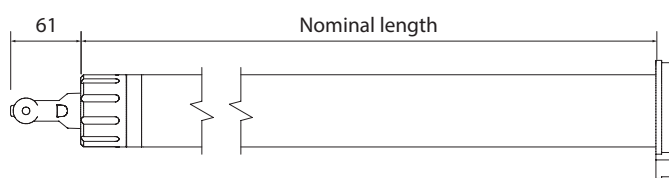
Sensor adapter for 2-electrode sensor SE 604



Sensor adapter for toroidal sensors SE 655/SE 656



Sensor adapter for toroidal sensors SE 670/G1



All dimensions in mm.