ARF 240 Flow-Through Fitting
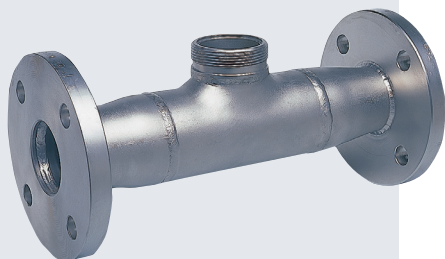
Flow-through fitting with tube expansion

Straight flow-through fitting for direct installation in pipelines with DN 50 cross-section. For measurements in main stream or bypass. Material: stainless steel, also for high temperatures/pressures. Adapter for a broad variety of sensors for pH, ORP, temperature, contacting and noncontacting conductivity, as well as dissolved oxygen. Its tightness makes it suitable for measurement of oxygen traces. When using larger sensors, e.g. electrodeless conductivity sensors, a suitable tube expansion reduces pressure loss to a minimum. Protective cap with integrated electrolyte reservoir for refillable pH sensors with liquid filling.

Applications
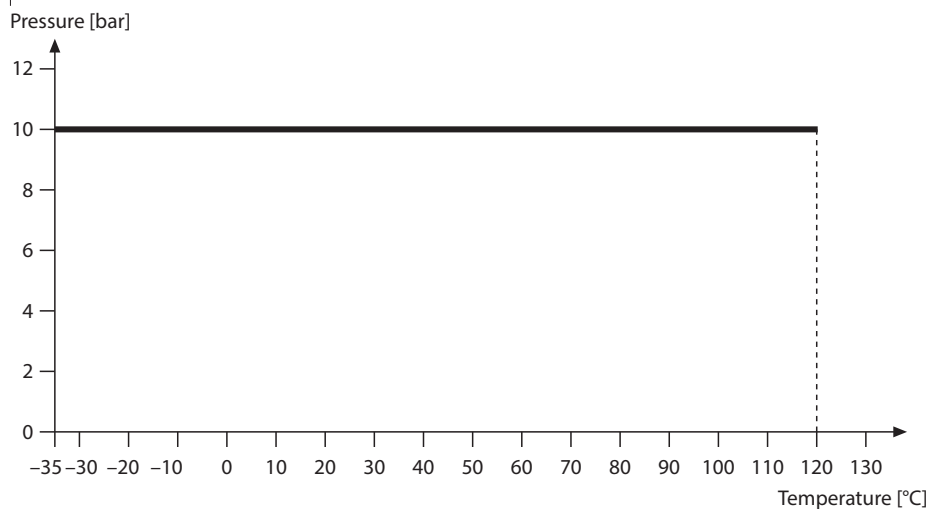Various process media, particularly with high flow rates; also moderately polluted

Facts
– universal application due to different sensor adapters
– measurement in main stream or bypass
– 1.457 stainless steel
– virtually no pressure loss caused by installed sensors

Specifications

Material:	1.4571 steel
Process connection:	flanges DN 50 PN 16
Pressure:	max. 10 bars
Temperature:	−35 ... +120 °C
Sensor adapter:	see product line (page 198)

Pressure/Temperature Diagram

For up-to-date information, please visit **www.knick.de**

Isolation Amplifiers Transmitters

Indicators

Process Analytics

Portable Meters

Laboratory Meters

Sensors

Fittings

Knick ❯

Modular System

Different protective caps and sensor adapters are available for this flow-through fitting.

Normal	With electrolyte reservoir

Protective cap

3 x Pg 13.5	SE 660/SE 670	SE 655/SE 656	SE 604 (G 1")/ SE 630

Sensor adapter

Flange DN 25
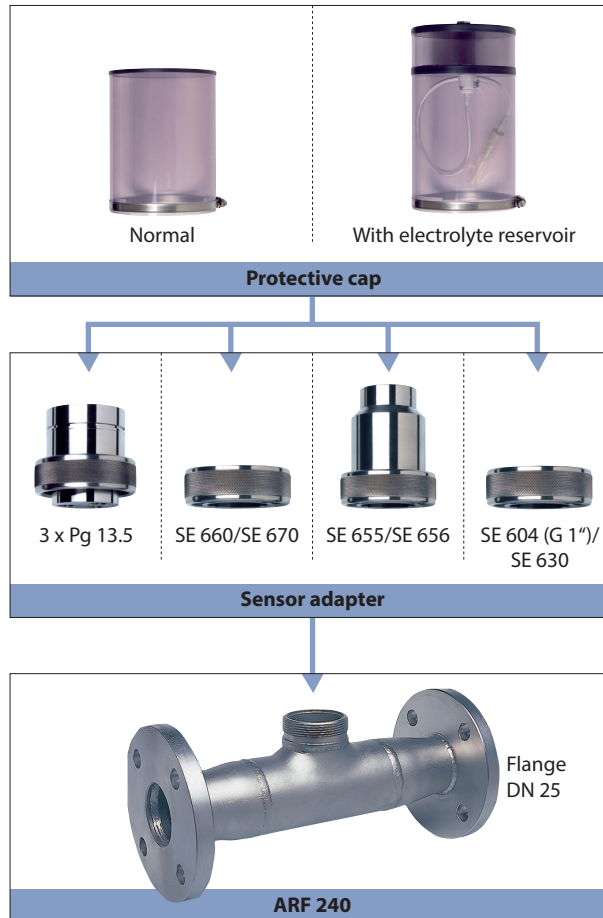
ARF 240

Chem **Energy**

ARF 240 Flow-Through Fitting

Product Line		Order No.							
		ARF 240 /	☐	☐	☐	☐	☐	☐	
Material	1.4571		**3**						
Sensor adapter	3 x Pg 13.5			**2**					
	SE 660			**3**					
	SE 655 (X)/SE 656 (X)			**4**					
	SE 604/SE 630, G 1"			**7**					
	SE 670/G1			**E**					
Process connection	flange DN 50 PN 16				**1**				
Arrangement of process connection	180°					**1**			
Protective cap	none						**0**		
	normal						**1**		
	with electrolyte reservoir						**2**		
Gasket material	EPDM							**1**	
	FKM (Viton)							**2**	
	FFKM (Kalrez)							**3**	

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Isolation Amplifiers Transmitters | Indicators | Process Analytics | Portable Meters | Laboratory Meters | Sensors | **Fittings**

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Dimension Drawings

Protective cap with integrated electrolyte reservoir

145

48

105

Connection G 2 1/4" (connection for sensor adapter)

DN 50 PN 16

Ø 165

DN 65

155.5

345