

Flow-Through Fittings

Energy

Water



ARF 200/ARF 202 Flow-Through Fitting

Stainless-steel flow-through fitting with one sensor location

Compact flow-through fitting for one sensor; measurement preferably in bypass. An adapter allows connecting sensors using different mounting techniques. Material: stainless steel. For high pressures and temperatures. Process connections: threaded olive connection (ARF 200) or internal G1/4" thread (ARF 202)

Applications

pH, conductivity, and dissolved-oxygen measurement in ultrapure water, slightly polluted water, cooling water,

drinking water, boiler feed water for trace-oxygen measurement

Facts

- 1.457 stainless steel
- for sensors with G 1" connection
- with adapter for sensors with Pg 13.5 connection
- with adapter for fittings with G1 1/4" Ingold socket
- direction of flow 90°
- process connection via
 - threaded olive connection (ARF 200)
 - or internal G1/4" thread (ARF 202)

Product Line

ARF 200 Flow-Through Fitting
ARF 202 Flow-Through Fitting
ARF 202 Flow-Through Fitting

Order No.

G 1"; 1.4571 steel, threaded olive connection	ARF 200
G 1"; 1.4571 steel, G 1/4" internal thread	ARF 202
G 1"; Hastelloy C4, G 1/4" internal thread	ARF 202/HC4

Specifications

Material:
Pressure:
Temperature:
Process connection:

stainless steel 1.4571 (ARF 200/202)/Hastelloy C4 (ARF 202/HC4)
max. 25 bars
-20 ... +160 °C

Sensor locations:

ARF 200: threaded olive connection (Serto) for pipe 10 x 1 (gasket in 90° coupling: O-ring, FKM [Viton], 11.1 x 1.78)

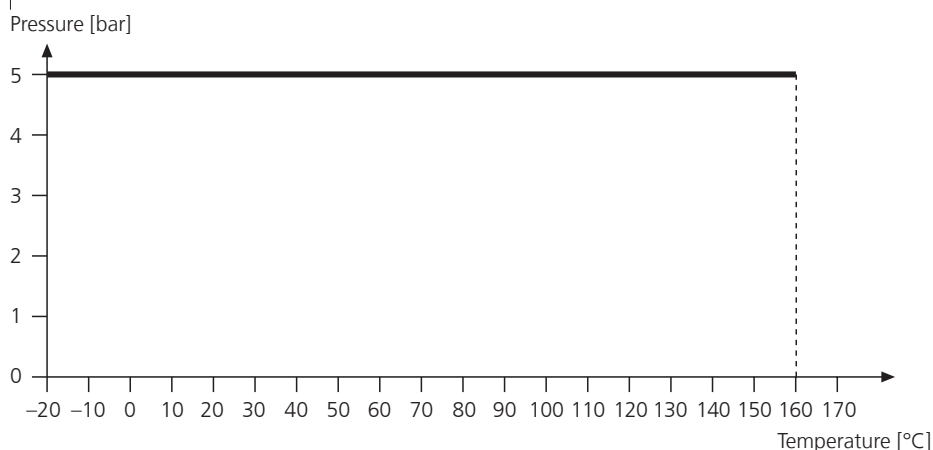
ARF 202: G 1/4" internal thread

1 x G 1"
1 x Pg 13.5 with ZU 0547 adapter
1 x G 1 1/4" with ZU 0667 adapter

Sensors:

cond: SE 604, SE 630
pH: diameter 12 mm, length 120 mm
oxy: SE 703, SE 706/1, SE 707/1

Pressure/Temperature Diagram



Modular System

This flow-through fitting is available in 2 different versions. There are adapters for 12-mm sensors and fittings with Ingold socket.

 <p>12-mm sensors Pg 13.5 connection 120 mm length</p> <p>ZU 0547 sensor adapter 1 x Pg 13.5</p>	 <p>SE 604 (X)-MS SE 630 (X)-MS SE 604 SE 630</p>	 <p>ARI 106 fittings with Ingold socket</p> <p>ZU 0667 fitting adapter G 1 1/4" (Ingold socket)</p>
Suitable sensors		



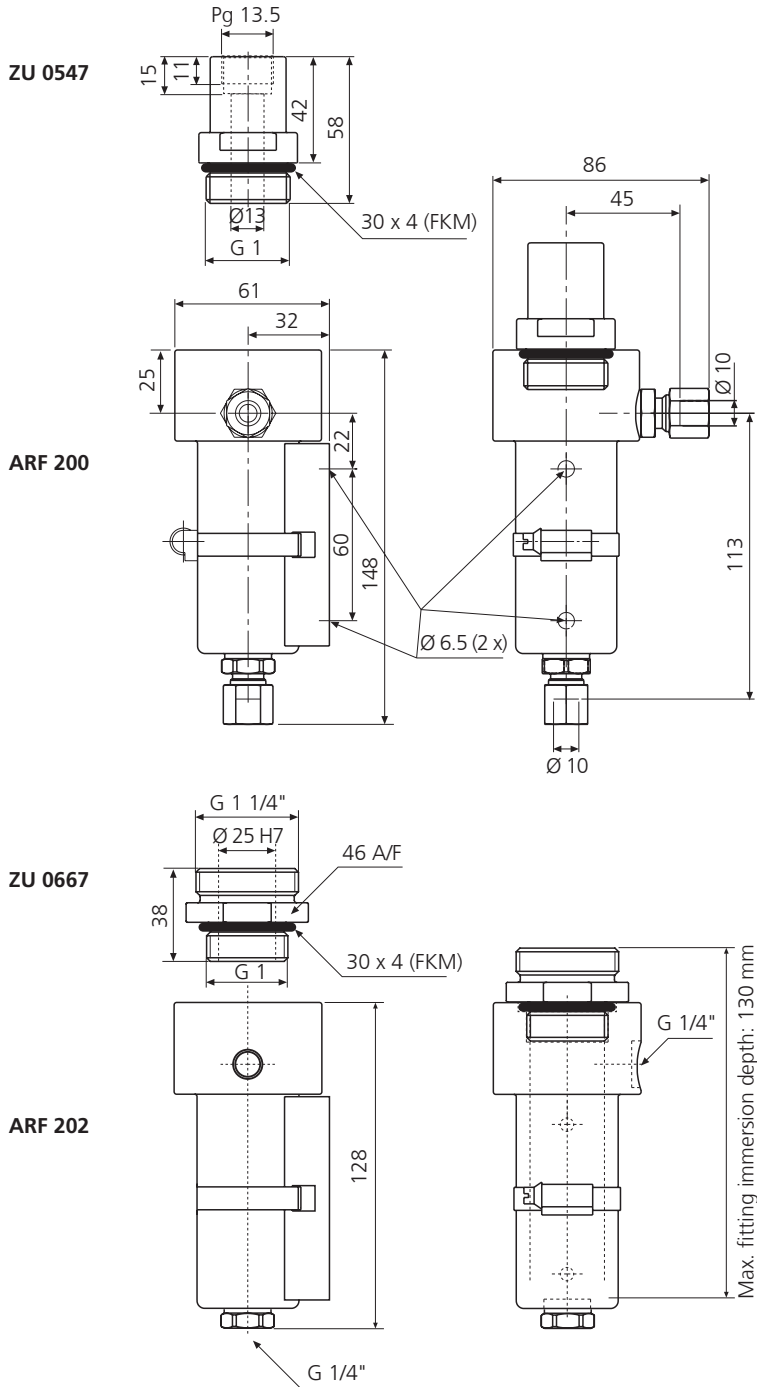
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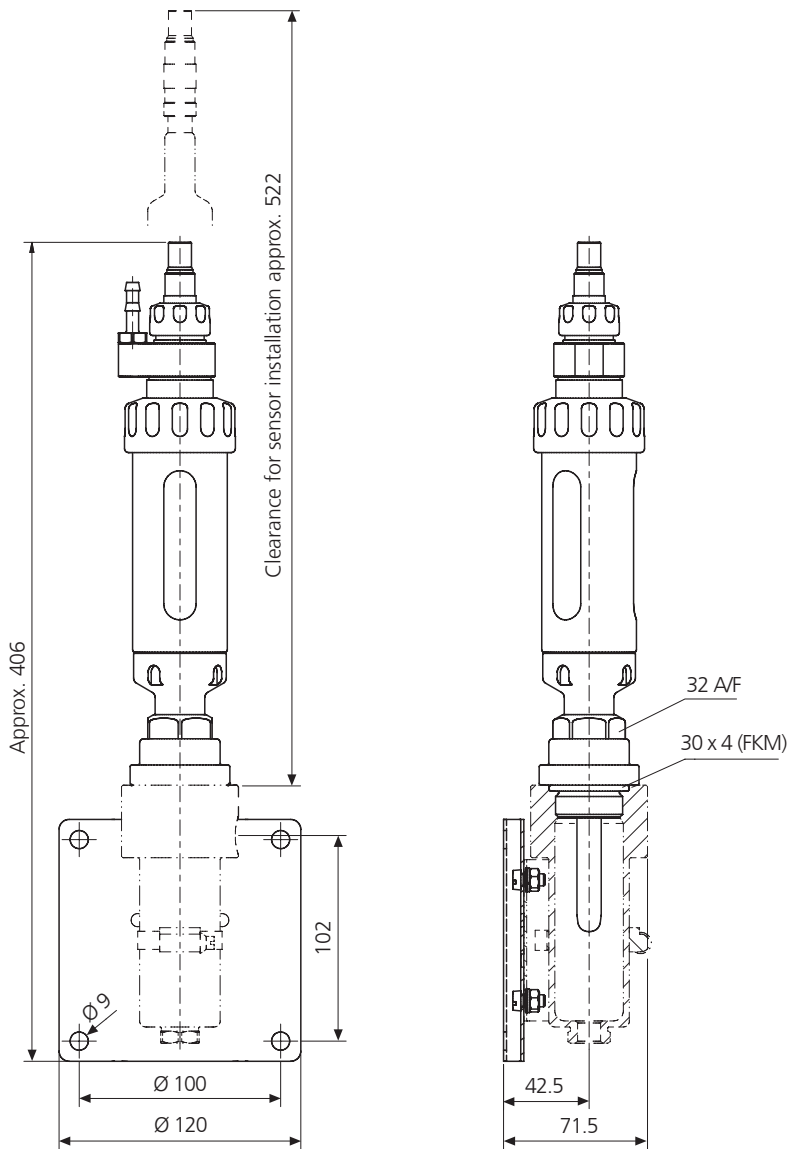
ARF 200/ARF 202 Flow-Through Fitting

Dimension Drawings



Dimension Drawings – *continued*

Adapter for sensors with liquid electrolyte (ZU 0783)



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Accessories

			Order No.
Adapter	for sensors	with Pg 13.5 material: 1.4571 stainless steel gasket: EPDM 30 x 4	ZU 0547
	for sensors	with liquid electrolyte e.g. SE 551/1 material: 1.4571 stainless steel gasket: FKM 30 x 4	ZU 0783
	for fittings	with G 1 1/4" connection material: 1.4571 stainless steel gasket: FKM 30 x 4	ZU 0667
Material test certificate 3.2	for ARF 202 (Hastelloy) C4		ZU 0823