

## Pressure Gauge w. Diaphragm Seal DN 100, with TR7604

Supplied from Stock

Section: 1

Sheet No.: 581GB

Date: October 1998

### Pressure gauge with diaphragm seal 1½" Tri-Clamp® (DN38) ISO clamp

- **TEMPRESS** pressure gauge with diaphragm seal, type A330301/4110 TR7604 with 1½" clamp is made of stainless steel, AISI 316
- Diaphragm of AISI 316L
- Hygienic
- Pressure gauge DN 100, with bottom connection
- Temperature compensated
- Media temperature of up to 130°C (265°F)
- Ambient temperature of up to 60°C (140°F)
- Lower parts with other connections eg. G¾B, G½B and 1½" welding liner
- Stock item



#### Pressure gauge with diaphragm seal

The **TEMPRESS** pressure gauge with diaphragm seal is an ideal solution in situations where the medium is not to come in contact with the instrument's measuring system whether for reasons of hygiene or due to the thick, crystallising or polluted nature of the medium.

The TR7604 diaphragm seal is a hygienic 1½" clamp (Tri-Clamp®) which fulfils the standard of ISO 2852.

The ultra-thin diaphragm in stainless and acid resistant steel is welded to the top part, allowing it considerable freedom of movement. This gives the instrument a high degree of durability and a level of precision better than ±1% F.S.

#### Temperature compensated

The unique temperature compensation system guarantees a correct reading even during extreme variations in the ambient temperature.

The system automatically compensates for changes in the ambient temperature of up to 60°C (140°F).

#### A wide range of other possibilities

The pressure gauge with diaphragm seal is one of more than 150 types **TEMPRESS** can supply.

Contact our sales department or your local **TEMPRESS** representative for further information.

#### Specifications

Specifications	
Type A330301...	Pressure gauge w. diaphragm seal
Case size	DN100
Case material	AISI 316, glass-bead blasted
Display face	Acrylic
Bezel	AISI 316
Liquid filling	Glycerine
Connection	1½" (DN 38) clamp acc. to ISO 2852
Material	AISI 316L
Diaphragm material	AISI 316L
Transmission fluid	Glycerine, 90/10
Measuring range	-1-0 bar to 0-100 bar
Minimum span	1 bar
Damping	Standard
Over range protection	P <sub>max</sub> + 30%
Medium temperature	-5 °C to 130 °C (23-265°F)
Ambient temperature	Span ≤2,0 bar 0-50°C (32-120°F) Span ≤2,0 bar 0-60°C (32-140°F)
Accuracy	Class 1,0 (±1 % af FS)
Temp. dependence	≤ 60 mbar at 100°C (0,87 psi at 212°F)

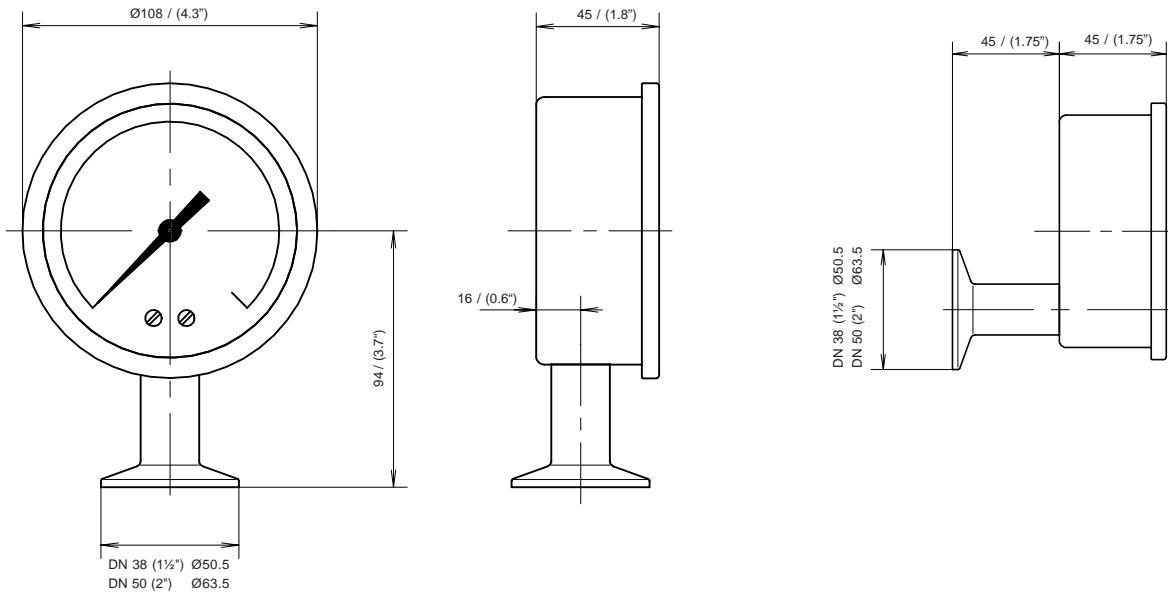
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## Dimensions



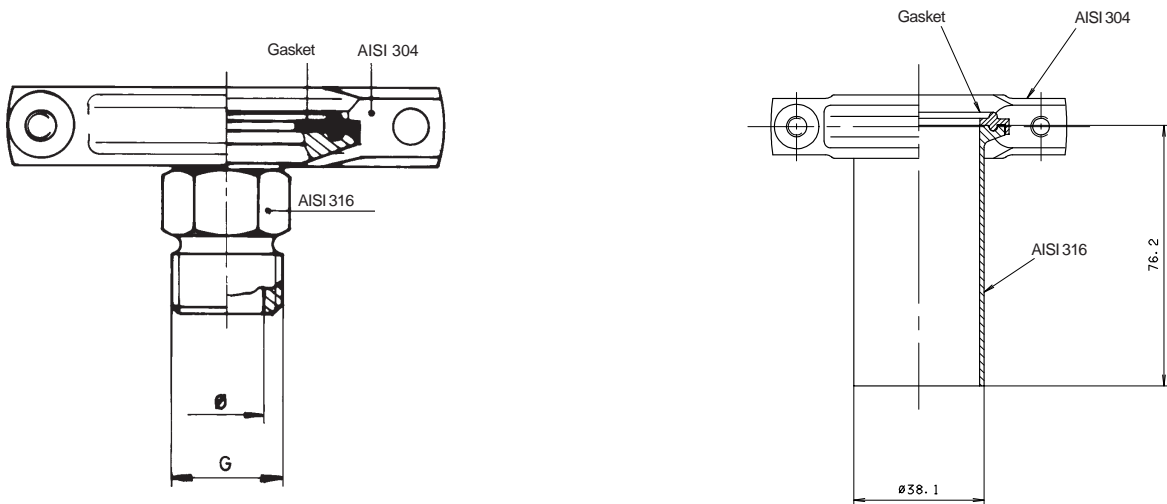
### Ordering key, bottom

Range	Part number	Range	Part number	Range	Part number
-1-0 bar	<b>R41467</b>	0-4 bar	<b>R41463</b>	0-25 bar	<b>R41465</b>
-1-0-3 -	<b>R41458</b>	0-6 -	<b>R41460</b>	0-40 -	<b>R41466</b>
0-1 -	<b>R41584</b>	0-10 -	<b>R41459</b>	0-60 -	<b>R41930</b>
0-2,5 -	<b>R41462</b>	0-16 -	<b>R41464</b>	0-100 -	<b>R41461</b>

### Ordering key, rear

Range	Part number	Range	Part number	Range	Part number
0-4 bar	<b>R41558</b>	0-10 bar	<b>R41962</b>	0-60 bar	<b>R44591</b>
0-6 -	<b>R42364</b>	0-16 -	<b>R46149</b>		

Lower part acc. to ISO 2852 (for TR7604), max. 60 bar (870 psi)



### Ordering key

G - thread	$\varnothing$ - internal boring	Part number
<b>G<sup>3</sup>/<sub>8</sub>B</b>	11 mm	<b>7322</b>
<b>G<sup>1</sup>/<sub>2</sub>B</b>	14 mm	<b>7323</b>
<b>Gasket</b> <small>(7319 NBR gasket is incl. in 7322 and 7323)</small>	NBR rubber < 90°C (195°F) PTFE teflon < 130°C (265°F)	<b>7319</b> <b>8704</b>

### Ordering key

Nom. size	$\varnothing$ - external diameter	Part number
<b>1½" (DN38)</b>	38,6 mm	<b>8707</b>
<b>Gasket</b> <small>(7319 NBR gasket is incl. in 8707)</small>	NBR rubber < 90°C (195°F) PTFE teflon < 130°C (265°F)	<b>7319</b> <b>8704</b>