

Pressure gauge with fractional seal

Type A46

Date: June 2019

Sheet No.: A46



Pressure gauge with fractional seal

- 3A " APC clamp (3/4 " Tri-clamp®) diaphragm seal connection
- All electropolished stainless steel, AISI 316
- All over surface finish $Ra < 0.5 \mu m$ ($< 20 \mu''$)
- Maximum medium temperature $150^{\circ}C$ / $300^{\circ}F$
- Accuracy next to none, class 1.6
- Unmatched small temperature influence
- Liquid filled or dry gauge
- Autoclaveable
- SIP'able and CIP'able
- Product Certificate EN 1024-3.1 standard from stock.

Application

TEMPRESS fractional seal pressure gauge is a unique product of a very high quality.

Each instrument is tested and hand calibrated.

The fractional seal pressure gauge is used within the biotech and pharmaceutical industries where the 3/4 " APC clamp (3/4 " Tri-clamp®) has become the most used standard.

All surfaces of the gauge are electropolished to meet almost any sanitary and biotech application.

The fractional seal pressure gauges are available as dry gauges and as liquid filled gauges. Both types can be autoclaved.

TEMPRESS patented temperature compensation system (US patent No. 3 938 393) ensures an accurate display. Under conditions where the ambient temperature may vary, automatic compensation is made.

The temperature compensation system also functions as a blow-out mechanism. Should the measuring system burst due to excess pressure, the temperature compensation system is forced out the back of the instrument.

Specifications

Type A46	Pressure gauge with fractional seal
Case size	DN 63 (2.5")
Case material	AISI 316, electropolished
Display face	Tempered safety glass
Bezel	AISI 316, electropolished
Liquid filling	Glycerine
Connection	3/4 " APC clamp
Diaphragm	AISI 316L
Surface	Electropolished $< 0.5 \mu m$ ($< 20 \mu''$)
Transmission fluid	Glycerine, 99.5% (PH.EUR/US)
Measuring range	See page 2. Scale Dual range, bar/psi (bar – red / psi – blue)
Accuracy	Class 1.6 ($\pm 1.6 \% / FS$)
Medium temperature	$5^{\circ}C - 150^{\circ}C$
Ambient temperature	$40^{\circ}F - 300^{\circ}F$ $5^{\circ}C - 80^{\circ}C$
Thermal drift	$40^{\circ}F - 176^{\circ}F$. See diagram page 2
Autoclaving temp.	Maximum $125^{\circ}C$ / $250^{\circ}F$

TEMPRESS reserves the right to changes without notice

TEMPRESS DATASHEET

Agent/Dealer:



TEMPRESS

Sønderskovvej 10, DK-8362 Høring.
Phone: 8932 5200
E-mail: sales@tempress.dk