

Homogenizer Pressure Gauges

DS 100

01.OM

- AISI 316L st.st. wetted parts
- Ra -0,8µm - 32µin (150 Grit) finishing
- Damping system
- C.I.P. and S.I.P execution
- Customer drawing process connections



Authorization NO. 597



These instruments are designed for homogenizer machines and are built according to standard n. 74-01 of 3-A organization (Sanitary Standards Symbol Administrative Council). The absence of interstices and the mirror finishing of the components assure the best hygiene. The process connection is a special diaphragm seal integrally built with the pressure gauge. To reduce the effects of severe operating conditions like vibrations and pulsations, the instruments can be liquid filled.

Functional and constructive characteristics.

01.OM.2 - Fillable

Accuracy: class 1,6 as per EN 837-1.

Ambient temperature: -25...+65 °C.

Process temperature: -20...+120 °C.

Max 150 °C for 1 hour during cleaning stage (C.I.P.)¹ and sterilization (S.I.P.)².

Working pressure (referred to the full scale value): max 75%.

Over pressure limit: not available.

Seal fill: oil for food service.

Protection: IP 67.

Process connection: AISI 316L st.st. with Ra -0,8µm- 32µin (150 Grit) finishing.

Diaphragm: AISI 316L st.st. with Ra -0,8µm- 32µin (150 Grit) finishing.

Welding: AISI 316L TIG st.st. with Ra -0,8µm- 32µin (150 Grit) finishing.

Flange and screw nut: AISI 316.

Case: electro polished AISI 304 st.st.

Ring: AISI 304 st.st. polished, bayonet lock.

Elastic element: AISI 316L st.st. spiral form.

Window: Plexiglas.

Movement: stainless steel.

Dial: aluminium, white with black markings.

Pointer: aluminium black anodized.

Gasket, blow out vent and filling plug: EPDM

01.OM.3 - Liquid filled

Case filling liquid: glycerine 99,5% (USP, E.P. and F.U.) for food service.

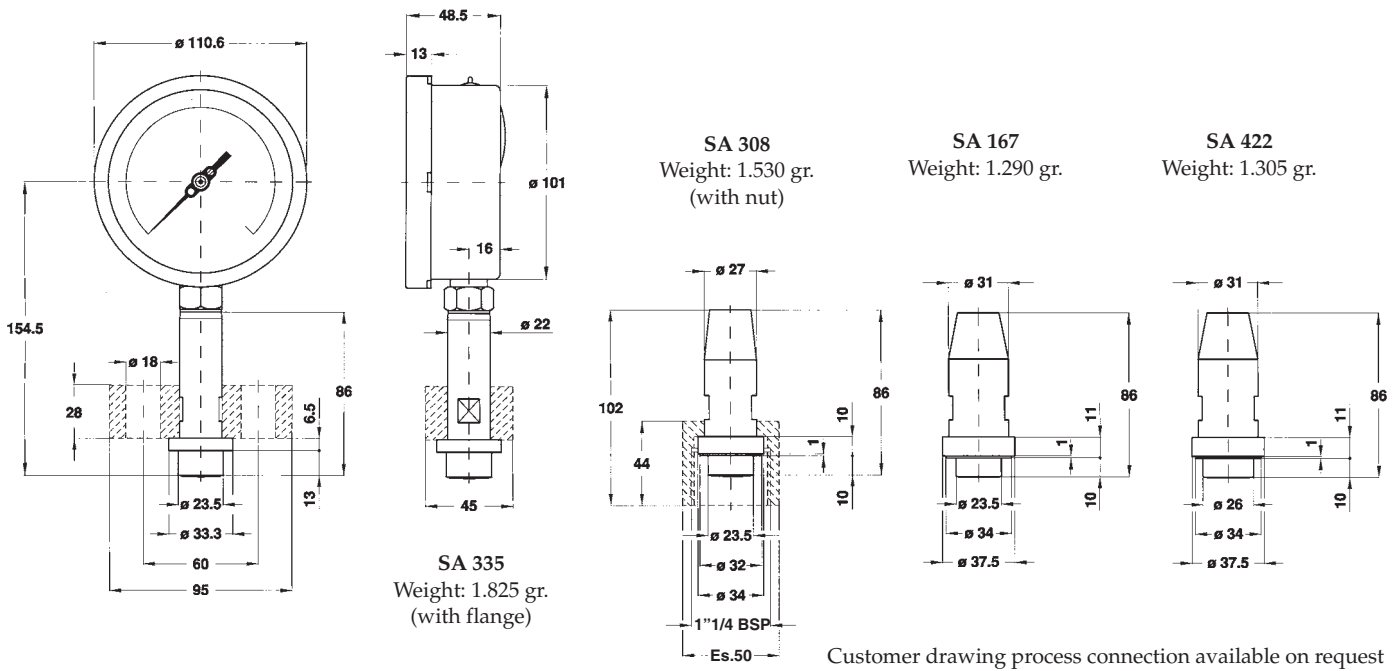
Ambient temperature: +15...+65 °C.

Other features: as type 01.OM.2.

1) C.I.P. = Cleaned In Place

2) S.I.P. = Steamed In Place

TYPE, DIMENSIONS AND WEIGHTS (mm)



RANGES

TAB. 1

RANGE	bar	bar ext.	bar ext.
		psi int.	MPa int.
0...160	◆	◆	◆
0...250	◆	◆	◆
0...400	◆	◆	◆
0...600	◆	◆	◆
0...1000	◆	◆	◆
0...1600 (1)	◆	◆	◆

(1) available only with some type of process connections

TAB. 2

RANGES	psi	psi int.	psi ext.	psi ext.
		kPa ext.	bar int.	Kg/cm ² int.
0...2000	◆	◆	◆	◆
0...3000	◆	◆	◆	◆
0...4000	◆	◆	◆	◆
0...5000	◆	◆	◆	◆
0...6000	◆	◆	◆	◆
0...10000	◆	◆	◆	◆
0...15000	◆	◆	◆	◆

HOW TO ORDER

	CODE & DESCRIPTION
01	01- Bourdon tube pressure gauges
OM	OM - homogenizer pressure gauges
2	2 - dry version 3 - filled version
A	A - lower connection
E	E - DS100
3	3 - up to 1600 bar
0/160 bar	see ranges tables
308	335 - dwg. as per SA 335 with flange 308 - dwg. as per SA 308 with nut 167 - dwg. as per SA 167 422 - dwg. as per SA 422
L22	see option table

OPTIONS

DESCRIPTION	CODE	01.OM.2	01.OM.3
Calibration certificate	C01	◆	◆
Connection as per SA 308, without nut	S15	◆	◆
Connection as per SA 335, without flange	SF1	◆	◆
Maximum pointer IP 65 adjustable (1)	L22	◆	◆
Maximum pointer not adjustable	L12	◆	◆
Safety glass window	T32	◆	◆
Polycarbonate window	TPC	◆	◆

(1) only for Plexiglas window.



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