

homogenizer gauges

DS 4" (100mm)

OM

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



Autorization NO. 597



These instruments are designed for homogenizer machines and are built according to standard n. 74-02 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.

Fillable model

Design: EN837-1.

Safety designation: S1 as per EN 837-2.

Ranges: from 0...2000 psi to 0...15000 psi; (from 0...160 bar to 0...1600 bar or equivalent units).

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

Ambient temperature: -13...+149 °F (-25...+65 °C).

Process temperature: -4...+248 °F (-20...+120 °C).

Max 302°F (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 $Ra \leq 0,8\mu m$ - 32 μin (150 Grit) finishing.

Diaphragm: AISI 316L

Welding: AISI 316L TIG.

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: plastic.

Movement: stainless steel.

Dial: aluminium, white with black markings.

Pointer: aluminium black anodized.

Filled model

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

Ambient temperature: +59...+149 °F (+15...+65 °C).

Other features: as fillable model.

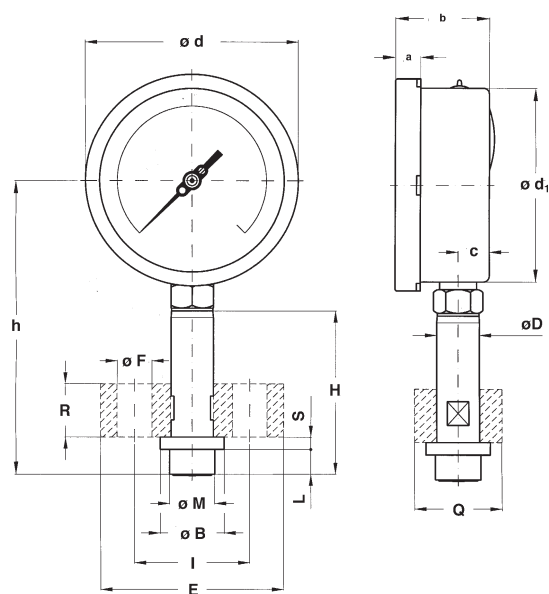
1) C.I.P. = Cleaned In Place

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

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

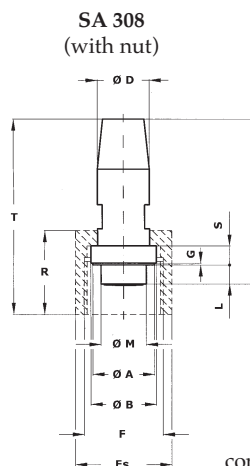
(1) available only with some type of process connections

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	◆	◆	◆	◆



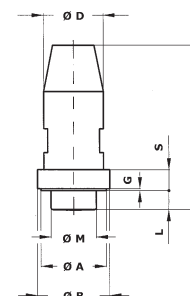
SA 335
(with flange)

a	b	c	d	d ₁	h
0.51" (13)	1.90" (48,5)	0.62" (16)	4.35" (110,6)	3.97" (101)	6.08" (154,5)



SA 308
(with nut)

SA 167 / SA 422



Customer drawing process
connection available on request

Drawing	Ø D	Ø M	Ø A	Ø B	H	S	G	L	Es	E	Ø F	I	R	Q	T	Weight
SA 335	0.86" (22)	0.95" (23,5)		1.30" (33,3)	3.38" (86)	0.25" (6,5)		0.51" (13)		3.74" (95)	0.70" (18)	2.36" (60)	1.10" (28)	1.77" (45)		4.01 lbs (1,82 kg)
SA 308	1.06" (27)	0.95" (23,5)	1.25" (32)	1.33" (34)	3.38" (86)	0.39" (10)	0.04" (1)	0.39" (10)	1.96" (50)				1.73" (44)		4.01" (102)	3.37 lbs (1,53 kg)
SA 167	1.22" (31)	0.95" (23,5)	1.33" (34)	1.47" (37,5)	3.38" (86)	0.43" (11)	0.04" (1)	0.39" (10)								2.84 lbs (1,29 kg)
SA 422	1.22" (31)	1.02" (26)	1.33" (34)	1.47" (37,5)	3.38" (86)	0.43" (11)	0.04" (1)	0.39" (10)								2.86 lbs (1,30 kg)

dimensions : inches (mm)

OPTIONS

Model	Fillable	Filled
Connection as per SA 308, without nut	♦	♦
Connection as per SA 335, without flange	♦	♦
Maximum pointer IP 44 on plexiglas window (1)	♦	♦
Maximum pointer IP 65 on plexiglas window (1)	♦	♦
Safety glass window	♦	♦
Polycarbonate window	♦	♦

(1) Accuracy refers to the area free from the maximum pointer action.

"HOW TO ORDER" SEQUENCE

Section / Model/Case /Mounting / Diameter / Special version / Range / Process connection / Options