

Data Sheet

1032 Sanitary Pressure Gauge

FEATURES

- Can be Clean-in-place (CIP) or Steam-in-place (SIP)
- Autoclave or sterilize with 3½" dial with polysulfone window option
- Easy Zero™ provides external adjustability of instrument span (3½" dial)
- 12-15 RA (microinches) electropolished diaphragm surface
- Material certificates and certificate of conformance supplied as standard to EN 10204:2004 3.1
- **PLUS!**™ Performance option

TYPICAL USES

- Specialized OEM equipment
- Filtration
- Food and dairy
- Pharmaceutical
- Biotech
- Medical equipment



SPECIFICATIONS

Accuracy: (Of Span)		Dry	Liquid Filled or XLL
	2½", 3½" All ranges to 100 psi	±2%	±2.5%
	2½", 3½" Pressure over 100 psi	±1.5%	±2%
Dial Sizes:	2½", 3½"		
Ranges:	Vacuum, compound to 1,000 psi		
Fill:	Glycerin (USP food grade), mineral oil, food grade silicone		
Process Connection Location:	Lower or lower back		
Process Connection:	1½" or 2" Tri-Clamp®		
Pointer:	2½": Black-painted aluminum, adjustable 3½": Black-painted aluminum with ext. adjust		
Dial:	White with black markings with 3A-74 logo		
Clean or Steam in Place (CIS, SIP):	Process temperature limit of 280 °F (138 °C)		
Case Style:	Open Front		
Window Material:	Standard: Polycarbonate Safety glass, polysulfone window (only for 3½")		
Movement:	2½", 3½": 300 Stainless steel		
Weather Protection:	2½" & 3½" IP65		
Autoclave or Sterilize:	3½": Temperature limit of 300 °F (149 °C) when supplied with Polysulfone window (option PS dry gauge only)		

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2½", 3½" dial sizes

KEY BENEFITS

- True Zero™ reduces reading errors by using a "zero box" instead of conventional pins
- Electropolished diaphragm and housing
- Heat lot traceable material certificates

SPECIFICATIONS (Cont.)

Dampening Options: Liquid fill or **PLUS!**™ Performance (Design is not recommended for gauges expected to be exposed to temperature over 200 °F (93 °C). This includes gauges subject to autoclaving.

Approvals: 3A compliance to sanitary standard 74, CRN, RoHS

WETTED COMPONENTS

Diaphragm	Process Connection	Joints
316L Stainless steel electropolished Hastelloy® C276	316L Stainless steel Hastelloy® C276	Welded

NON-WETTED COMPONENTS

Case	Ring
300 Stainless steel polished	300 Stainless steel polished bayonet, removable

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ORDERING CODE	EXAMPLE:	25	1032	S	L	15	L	X6B	30IMV
Dial size:									
25	1009-2.5"	25							
35	1009-3.5"								
Model:									
1032	Tri-Clamp Sanitary Pressure Gauge		1032						
Diaphragm and Wetted Parts Material:									
S	Body Stainless steel 316L (1.4404) and diaphragm 316L (1.4435)			S					
H	Hastelloy® C-276 (2.4819)								
Case Filling:									
D	Dry gauge								
L	Gauge filled (Glycerine filled)				L				
Connection Size:									
15	1.5" Tri-Clamp®					15			
20	2" Tri-Clamp®								
Connection Location:									
L	Lower						L		
B	Lower Back								
Options (If choosing an option(s) must include a "X")									
ZF	Food grade silicone system fill								
LL	PLUS!™ performance								
NZ	PLUS!™ performance silicone free								
DI	Deionized Water (4~85°C)								
MY	White Mineral Oil (-10~205°C)								
6B	Cleaned for gaseous oxygen service							X6B	
6W	Product clean and degrease, not for strong oxidation application								
YF	Silicone free product								
EC	Electro polished wetted parts, Ra <0,38 µm (15 µin).								
NH	Stainless steel tag, wired								
NH1	Stainless steel tag, extra large and wired								
C3	Certificate according to EN 10204/3.1								
C4	CD-4 calibration certificate								
MQ	Positive Material Identification (PMI)								
SG	Safety Glass								
PS	Polysulfone window (3½" only)								
Range (Coding examples only, see range table on next page)									
Vacuum (30 IMV)									30IMV
100# - 100 psi									
1000# - 1,000 psi (range required high pressure type clamp, not supplied by Ashcroft)									

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STANDARD PRESSURE RANGES					
	psi	bar	kPa	kg/cm ²	Dual Scale psi Outer Scale
Vacuum	30IMV	-1BR	100KP	-1KSC	30IMV
	30IMV&15#	-	-	-	-
Compound	-	-1&1.5BR	-100&150KP	-1&1.5KSC	30IMV&20#
	30IMV&30#	-	-	-	-
	-	-1&3BR	-100&300KP	-1&3KSC	30IMV&40#
	30IMV&60#	-	-	-	-
	-	-1&5BR	-100&500KP	-1&5KSC	30IMV&70#
	30IMV&100#	-	-	-	-
	-	-1&9BR	-100&900KP	-1&9KSC	30IMV&125#
	15#	100KP	1BR	1KSC	14# ⁽¹⁾
Positive Pressure	-	1.6BR	160KP	1.6KSC	22#
	30#	-	-	-	-
	-	2.5BR	250KP	2.5KSC	35#
	60#	4BR	400KP	4KSC	55#
	-	6BR	600KP	6KSC	85#
	100#	-	-	-	-
	-	10BR	1000KP	10KSC	140#
	160#	-	-	-	-
	200#	-	-	-	-
	-	16BR	1600KP	16KSC	220#
	300#	-	-	-	-
	-	25BR	2500KP	25KSC	350#
	400#	-	-	-	-
	600#	40BR	4000KP	40KSC	550#
	-	60BR	6000KP	60KSC	850#
	1000# ⁽¹⁾	-	-	-	-

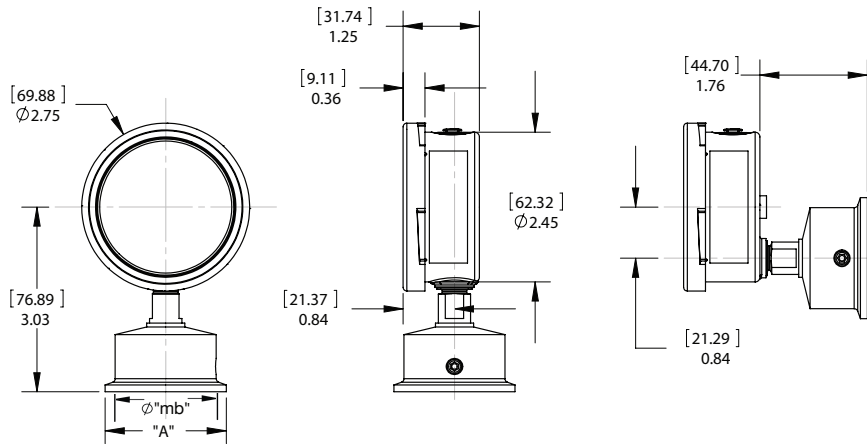
(1) Requires high pressure clamp

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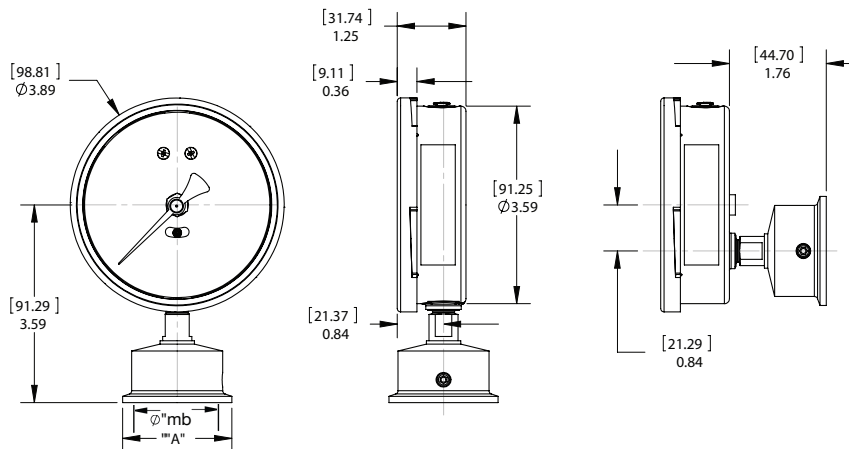
DIMENSIONS in [] are millimeters

2½" 1032 SANITARY GAUGE



Seal Size	Dim A	ϕ mb
1½	1.99 [50.5]	1.26 [32]
2	2.52 [64]	1.732 [44]

3½" 1032 SANITARY GAUGE



Seal Size	Dim A	ϕ mb
1½	1.99 [50.5]	1.26 [32]
2	2.52 [64]	1.732 [44]