

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)		Liquid Filled or XLL
	Dry	±2% ±2.5%
	2½", 3½" All ranges to 100 psi	±1.5% ±2%
	2½", 3½" Pressure over 100 psi	±1.5% ±1.5%
	4½"	±1.5% ±1.5%
Dial Sizes:	2½", 3½" or 4½"	
Ranges:	Vacuum, compound to 1,000 psi	
Fill:	Glycerin (USP food grade), Halocarbon®, 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 4½": Black-painted aluminum, adjustable	
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:	2½", 3½": Polycarbonate 4½": Glass	
Movement:	2½", 3½": 300 Stainless steel 4½": 400 Stainless steel	
Weather Protection:	2½" & 3½" IP65 4½" Dry: IP54 4½" Hermetically sealed or liquid filled IP65	
Autoclave or Sterilize:	3½": Temperature limit of 300 °F (149 °C) when supplied with Polysulfone window (option PS dry gauge only)	



1032
2½", 3½", 4½" 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:	251032	S	15	L	-XC4	100#
Dial Size/Model							
251032 - 2½"		251032					
351032 - 3½"							
451032 - 4½"							
System							
S - 316L Stainless steel tube and socket, 316L diaphragm and seal housing			S				
H - 316 Stainless steel tube and socket, Hastelloy® C276 diaphragm and seal housing							
Case Fill							
Blank - Dry gauge							
L - Liquid fill (Food Grade Glycerine)							
Process Connection Size							
15 - 1½" Tri-Clamp® (2½" and 3½" dial only)				15			
20 - 2" Tri-Clamp®							
Process Connection Location							
L - Lower					L		
B - Lower Back							
D - Side (3 o'clock)							
E - Side (9 o'clock)							
T - Top							
Options (If choosing an option(s) must include an "X")							
CF - Halocarbon® system fill						-X	
CZ - Food grade silicone system fill							
C4 - Traceable calibration certificate							
FJ - Distilled water system fill							
GX - Halocarbon® case fill							
LL - PLUS! ™ performance							
MO - Mineral oil case fill							
MY - Mineral oil system fill							
MQ - Positive material identification (PMI) (diaphragm and top housing only)							
NH - Stainless metal tag							
NM - Neobee® M-20 system fill							
NZ - PLUS! ™ performance silicone free							
PD - Polycarbonate window (4½" only)							
PS - Polysulfone window (3½" only)							
SG - Safety glass							
ZF - Food grade silicone case fill							
6B - Cleaned for gaseous oxygen service (requires Halocarbon® or distilled water case and systems fill)							
6W - Cleaned for gases other than oxygen							
Range (Coding examples only, see range table on page 3)							
Vacuum (30 IMV)							
100# - 100 psi							100#
1000# - 1,000 psi (range required high pressure type clamp, not supplied by Ashcroft)							

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STANDARD PRESSURE RANGES						FILL FLUID	TEMPERATURE	VISCOSITY (cSt at 70 °F(21 °C))
Vacuum	psi	bar	kPa	kg/cm ²	Dual Scale psi Outer Scale	Glycerin (food grade)	0 °F to 400 °F (-18 °C to 204 °C)	1,300
	30IMV	-1BR	100KP	-1KSC	30IMV	Silicone (food grade)	-40 °F to 500 °F (-40 °C to 260 °C)	350
	30IMV&15#	—	—	—	—	Halocarbon 4.2	-70 °F to 300 °F (-57 °C to 199 °C)	4.2
Compound	—	-1&1.5BR	-100&150KP	-1&1.5KSC	30IMV&20#	Mineral Oil	10 °F to 400 °F (-12 °C to 204 °C)	75
	30IMV&30#	—	—	—	—	Neobee M-20 (food grade)	5 °F to 400 °F (-15 °C to 204 °C)	9.5
	—	-1&3BR	-100&300KP	-1&3KSC	30IMV&40#	Distilled Water	40 °F to 185 °F (4 °C to 85 °C)	.9
	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⁾			
	—	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⁾	—	—	—	—			

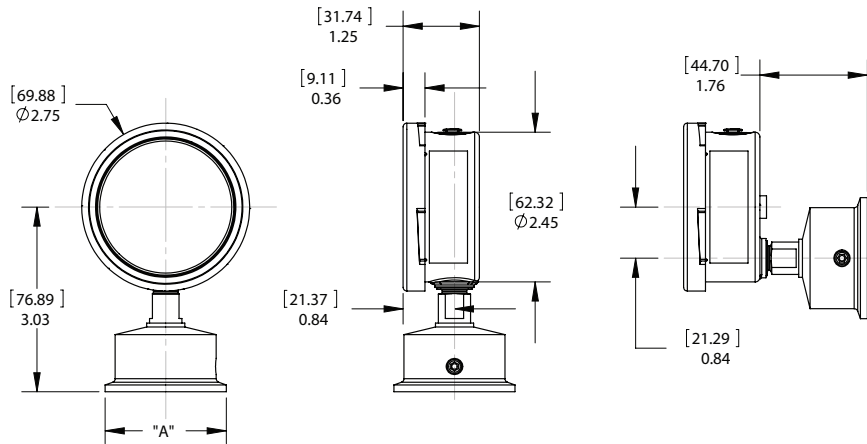
(1) Requires high pressure clamp

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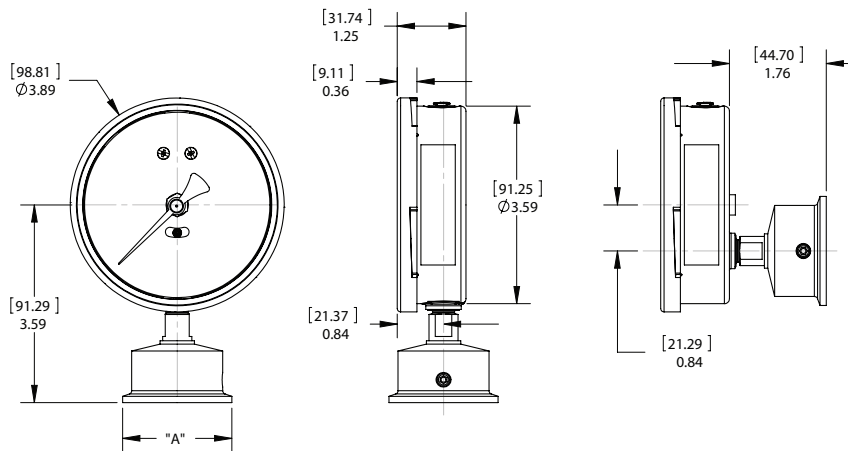
DIMENSIONS in [] are milimeters

2½" 1032 SANITARY GAUGE



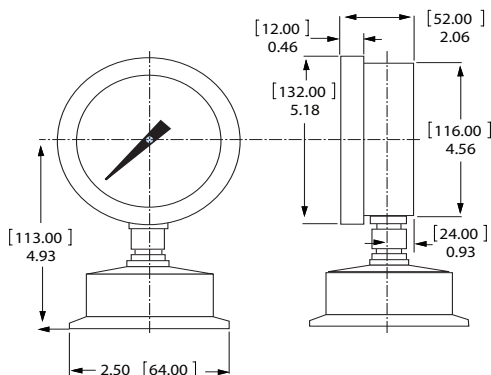
Seal Size	Dim A
1½	1.98 [51]
2	2.52 [64]

3½" 1032 SANITARY GAUGE



Seal Size	Dim A
1½	1.98 [51]
2	2.52 [64]

4½" 1032 SANITARY GAUGE



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