

Data Sheet

1036 In-Line Sanitary Pressure Gauge, 1037 Sanitary Instrument Fitting

FEATURES: 1036

- Clean-in-Place (CIP) or Steam-in-Place (SIP)
- Autoclave or sterilize with polysulfone window
- Easy Zero™ provides external adjustability of instrument span
- Material certificates and certificate of conformance supplied as standard to EN 10204:2004 3.1

FEATURES: 1037

- Tri-Clamp® connections
- Pipe size; ½" to 2" mates with type 1036 Inline Sanitary Gauge
- Electropolished 316L Stainless steel wetted material, 12-20 RA internal surface finish

TYPICAL USES

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



1036
3½" dial size

1037
Fittings



SPECIFICATIONS

Accuracy (of span):	Dry	Liquid Fill and XLL	
	Compound & ranges to 100 psi	±2%	±2.5%
	Pressures over 100 psi	±1.5%	±2%
Dial Size:	3½"		
Ranges:	Vacuum, Compound 15 to 1,000 psi		
Fill:	Glycerin (USP foodgrade), Halocarbon®, mineral oil, food grade silicon		
Process Connection Location:	Lower		
Process Connection:	1½" Tri-Clamp®		
Pointer:	Black aluminum		
Clean or Steam in Place CIP or SIP):	Temperature limit of 200 °F (138 °C)		
Case Style:	Open front		
Window Material:	Polycarbonate, safety glass or polysulfone		
Movement:	300 Stainless steel		
Weather Protection:	NEMA 4X. IP65 (plug closed), IP64 (plug vented)		
Diaphragm O-Ring:	Buna-N, Viton™ or EPDM		
Movement:	300 Stainless steel		
Autoclave or Sterilize:	Temperature limit of 300 °F (149 °C) when supplied with polysulfone window (option PS, dry gauge only)		
Dampening:	Liquid fill or PLUS! ™ Performance (design is not recommended for gauges expected to be exposed to temperatures over 200 °F (93 °C). This includes gauges subject to autoclaving.		

SPECIFICATIONS (continued)

Approvals:	1036: 3A compliant to sanitary standard 74, CRN, ROHS
	1037: CRN Max Pressures Limits
	0.50" Max Pressure 1,000 psi
	0.75" Max Pressure 1,000 psi
	1" Max Pressure 450 psi
	1.5" Max Pressure 435 psi
	2" Max Pressure 310 psi

KEY BENEFITS

- Instrument fitting virtually eliminates process dead-leg
- Retrofits other manufacturer's CPM design
- True Zero™ reduces reading errors by using a "zero box" instead of conventional pins
- Heat lot traceable material certifications

WETTED COMPONENTS

Diaphragm:	316L Stainless steel, electropolished
Seal Housing:	316L Stainless steel, electropolished
Joints:	Welded

NON-WETTED COMPONENTS

Model	Case	Ring
1036	304 Stainless steel, polished	300 Stainless steel, polished, bayonet, removable

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ORDERING CODE: 1036	Example:	351036	S	L	15	L	-XC4	100#
Dial Size/Model								
351036 - 3½"		351036						
System								
S - 316L Stainless steel tube and process connection			S					
Case Fill								
Blank - Dry gauge								
L - Liquid filled, glycerin				L				
Process Connection								
15 - 1½" Tri-Clamp®					15			
Process Connection Location								
L - Lower						L		
Options (If choosing an option(s) must include an "X")								
C4 - Traceable calibration certificate								-X__ C4
CF - Halocarbon® system fill								
CZ - Food grade silicone system fill								
EM - EPDM O-Ring								
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)								
NZ - PLUS! ™ Performance silicone free								
ZF - Food grade silicone case fill								
NH - Stainless steel tag wired to case								
NM - Neobee® M-20 System fill								
PS - Polysulfone Window (Autoclave or Sterilize)								
SG - Safety Glass								
VD - Viton™ O-Ring								
6B - Cleaned for gaseous oxygen service (required Halocarbon® or distilled water case and sytem fill)								
6W - Cleaned for gases other than oxygen								
Range (Coding examples only, see range table on page 3 for all standard ranges)								
30 IMV - 30 IMV								
100# - 100 psi								100#
1000# - 1,000 psi (range required high pressure type clamp, not supplied by Ashcroft)								

*Tri-Clamps® are not included.

ORDERING CODE: 1037 PRESSURE FITTING

Pipe Size/Part Number

½" - 292C139-01

¾" - 292C139-02

1" - 292C139-03

1½" - 292C139-04

2" - 292C139-05

All specifications are subject to change without notice. All sales subject to standard terms and conditions.

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Standard Range Codes - Single Scale

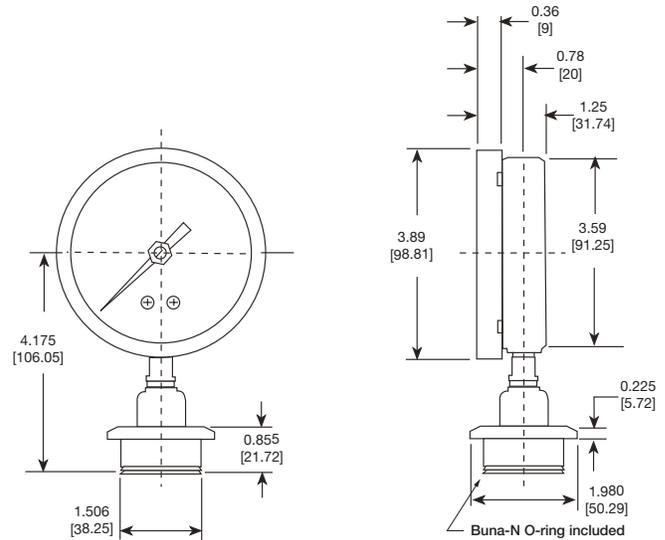
Vacuum	psi	bar	kPa	kg/cm ²	Dual Scale psi Outer Scale
30IMV	-1BR	100KP	-1KSC	30IMV	
30IMV&15#	-	-	-	-	
-	-1&1.5BR	-100&150KP	-1&1.5KSC	30IMV&20#	
30IMV&30#	-	-	-	-	
-	-1&3BR	-100&300KP	-1&3KSC	30IMV&40#	
30IMV&60#	-	-	-	-	
-	-1&5BR	-100&500KP	-1&5KSC	30IMV&70#	
30IMV&100#	-	-	-	-	
-	-1&9BR	-100&900KP	-1&9KSC	30IMV&125#	
15#	1BR	100KP	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

DIMENSIONS in [] are millimeters

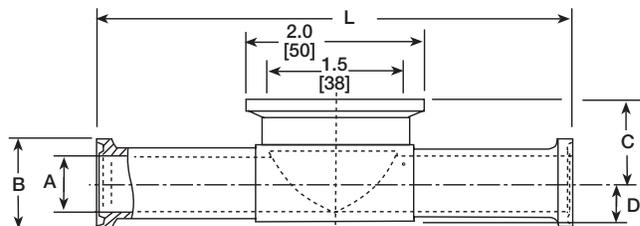
For reference only, consult Ashcroft for specific dimensional drawings

1036 IN-LINE SANITARY PRESSURE GAUGE



Notes: Mounting any of these models in other than a vertical position could cause non-compliance with 3A-74
The 1036 Sanitary Gauge fits into all sizes of the 1037 fitting

1037 INSTRUMENT FITTINGS



Pipe Size	A	B	C	D	L
1/2	0.38 [9.6]	0.98 [24.9]	0.87 [22]	0.31 [7.9]	5.25 [133.4]
3/4	0.63 [15.9]	0.98 [24.9]	1.00 [25]	0.43 [10.9]	5.25 [133.4]
1	0.87 [22.1]	1.98 [50.4]	1.13 [28.7]	0.55 [14.1]	4.75 [120.7]
1 1/2	1.37 [34.7]	1.98 [50.4]	1.13 [28.7]	0.81 [20.6]	5.50 [139.7]
2	1.86 [47.2]	2.51 [62.8]	1.13 [28.7]	1.06 [26.9]	7 [177.8]