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TECHNOLOGY GROUP

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ASHCROFT®
Trust the shield.®

1009 4½˝ & 6˝ Stainless Steel Gauge

FEATURES

- ***PLUS!***™ Performance dampens vibration, shock and pulsation effects
- Wide selection of pressure connections and pressures ranges
- Dry and liquid-filled versions
- Micrometer adjustable pointer

TYPICAL USES

- Deionized water
- Refrigeration
- Hydraulics and pneumatics
- Specialized OEM equipment



1009
4½˝, 6˝ dial size

SPECIFICATIONS

Accuracy:	±1% of span (ASME B40.100 Grade 1A) 0.5% Accuracy (OPT)
Size:	4½˝, 6˝
Ranges:	A - Bronze: Vacuum, compound to 1,000 psi S - SS: Vacuum, compound to 20,000 psi P - Monel®: Vacuum, compound to 30,000 psi
Process Connection Location:	Lower or lower back
Process Connection Size:	¼ NPT, ½ NPT, 9⁄16-18 UNF-2B for ¼˝ high pressure tubing
Movement:	400 Stainless steel
Window Material:	Glass (STD.), acrylic, shatter proof glsss (OPT.)
Dial:	Aluminum, white background, black figures and graduations
Pointer:	Micrometer, adjustable
Case Style:	Open front
Weather Protection:	Case not sealed. Recommended for weather protected environmenmt only Liquid fillable IP65
Dampening:	***PLUS!***™ Performance and liquid fill (glycerin, silicone and Halocarbon®)
Mounting:	Stem, surface (STD.) U-clamp, front flange and back flange (OPT.)
Approvals:	CRN, RoHS, CE/UKCA

WETTED COMPONENTS

Model	Bourdon Tube	Process Connection Material
1009A	Brass	Bronze
1009S	316L SS	316L Stainless steel
1009P	Monel®	Monel®

KEY BENEFITS

- **Provides durability, reliability, and performance**
- **Well-suited for aggressive process media applications**

MIN/MAX TEMPERATURE LIMITS

Version	Ambient	Process	Storage
Dry	-40 °F to 200 °F (-40 °C to 93 °C)	-20 °F to 250 °F (-40 °C to 121 °C)	-40 °F to 250 °F (-40 °C to 121 °C)
PLUS!™	-40 °F to 150 °F (-40 °C to 66 °C)	-40 °F to 200 °F (-40 °C to 93 °C)	-40 °F to 150 °F (-40 °C to 66 °C)
Glycerin Fill	20 °F to 150 °F (-7 °C to 66 °C)	20 °F to 200 °F (-7 °C to 66 °C)	0 °F to 150 °F (-18 °C to 66 °C)
Silicone Fill	-40 °F to 150 °F (-40 °C to 66 °C)	-40 °F to 200 °F (-40 °C to 93 °C)	-40 °F to 150 °F (-40 °C to 66 °C)
Halocarbon® Fill	-40 °F to 150 °F (-40 °C to 66 °C)	-40 °F to 200 °F (-40 °C to 93 °C)	-40 °F to 150 °F (-40 °C to 66° C)

NON-WETTED COMPONENTS

Model	Case	Ring
1009	304 Stainless steel, Monel®	304 Stainless steel, bayonet

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1009 4½″ & 6″ Stainless Steel Gauge

ORDERING CODE: Example:	45	1009	A	L	02	L	XC4	100#
Dial Size								
45 - 4½″	45							
60 - 6″								
Model Code								
1009 - 304 Stainless steel case, open front		1009						
System								
A - Phosphor bronze tube/brass process connection, (1,000 psi Max.)			A					
S - 316L Stainless steel tube/316L SS process connection, (20,000 psi Max.)								
P - K-Monel® 500 tube, Monel® 400 process connection, (30,000 psi Max.)								
Case Fill								
(blank) - Dry gauge								
L - Liquid filled case (glycerin standard)				L				
Process Connection Size								
02 - ¼ NPT Male, Max. pressure 20,000 psi					02			
04 - ½ NPT Male, Max. pressure 20,000 psi								
09 - ⁹⁄₁₆″-18 UNF-2B Aminco® high pressure fitting, (standard for pressures over 20,000 psi)								
Process Connection Location								
L - Lower						L		
B - Back								
Options (If choosing an option(s) must include an "X")							X__	
C4 - Traceable calibration certificate							C4	
LL - ***PLUS!***™ Performance								
GV - Silicone case fill								
GX - Halocarbon® case fill								
LJ - Liquid fillable IP65								
TS - Throttle screw (standard with liquid filled, XLJ or XLL ***PLUS!***™ Performance)								
6B - Oxygen service								
PD - Plastic window (standard with liquid filled or XLJ)								
SG - Safety glass								
EP - Maximum pointer, adjustable								
EO - Adjustable red set hand (N/A with liquid fill)								
SH - Red set hand, stationary								
NH - Stainless steel tag wired to case								
FF - Front flange								
BF - Back flange								
UC - U-clamp								
SM - All Stainless steel movement								
AJ - 0.5% Accuracy								
Range (See range table on page 3 for all standard ranges)								
100# - 100 psi								100#

When selecting a diaphragm seal or isolation ring, refer to the Min/Max Guide for compatibility with this gauge or scan the QR code to the right.

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1009 4½″ & 6″ Stainless Steel Gauge

SINGLE SCALE

	psi	bar	kPa	Mpa	kg/cm2	NOTES
Vacuum	30IMV	N1BR	N100KP	N0.1MP	N1KG	
	-	N1/0.6BR	N100/60KP	N0.1/0.6MP	N1/0.6KG	
	30IMV&15#	-	-	-	-	
	-	N1/1.5BR	N100/150KP	N0.1/15MP	N1/1.5KG	
Compound	30IMV&30#	-	-	-	-	
		N1/3BR	N100/300KP	N0.1/3MP	N1/3KG	
	30IMV&60#	-	-	-	-	
	-	N1/5BR	N100/&500KP	N0.1/5MP	N1/5KG	
		-	-	-	-	
	30IMV&100#					
		N1/9BR	N100/900KP	N0.1/9MP	N1/9KG	
	15#	1BR	100KP	0.1MP	1KG	
	-	1.6BR	160KP	0.16MP	1.6KG	
	30#	-	-	-	-	
	-	2.5BR	250KP	0.25MP	2.5KG	
	60#	4BR	400KP	0.4MP	4KG	
	-	6BR	600KP	0.6MP	6KG	
	100#	-	-	-	-	
		10BR	1000KP	1MP	10KG	
	160#	-	-	-	-	
	200#	-	-	-	-	
	-	16BR	1600KP	1.6MP	16KG	
	300#	-	-	-	-	
	-	25BR	2500KP	2.5MP	25KG	
	400#	-	-	-	-	
	600#	40BR	4000KP	4MP	40KG	
	800#	-	-	-	-	
	-	60BR	6000KP	6MP	60KG	
	1000#	-	-	-	-	
	1500#	100BR	10,000KP	10MP	100KG	
	2000#	-	-	-	-	
	-	160BR	16,000KP	16MP	160KG	
	3000#	-	-	-	-	
	-	250BR	25,000KP	25MP	250KG	
	4000#	-	-	-	-	
	5000#	-	-	-	-	
	6000#	400BR	40,000KP	40MP	400KG	
	-	600BR	60,000KP	60MP	600KG	
	8000#	-	-	-	-	
	10,000#	-	-	-	-	
	15,000#	1000BR	100,000KP	100MP	1,000KG	
	20,000#					Stainless steel systems only
	30,000#					Monel® systems only

Positive Pressure

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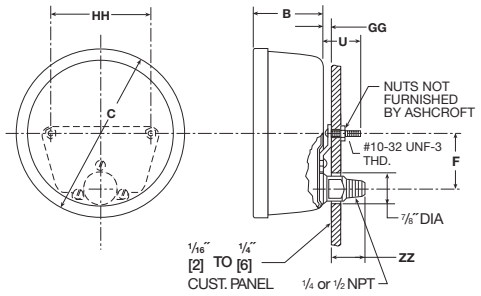
1009 4½″ & 6″ Stainless Steel Gauge

DIMENSIONS in [ ]are millimeters

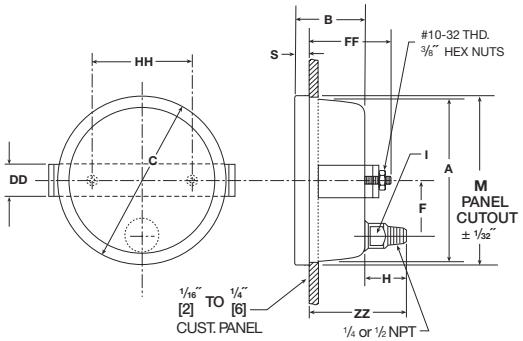
For reference only, consult Ashcroft for specific dimensional drawings

Gauge Size	A	B	C	C-1	D	DD	E	F	FF	G	GG	H	HH	I	J	L	M	S	U	ZZ	Weight Dry	Weight LF
4½″ [114.3]	4.72 [120]	2.06 [52]	5.09 [129]	6.25 [159]	.94 [24]	1 [25]	5.69 [144]	1.63 [41]	2.31 [59]	3.94 [100]	.19 [5]	1.63 [41]	3 [76]	.63 [16]	.16 [4]	.22 [6]	4.81 [122]	.47 [12]	1.44 [37]	3.28 [83]	1.75# 0.79 kg	2.40# 1.1 kg
6″ [152.4]	6.31 [160]	2 [51]	6.66 [169]	7.22 [194]	.84 [22]	1 [25]	7.03 [179]	1.63 [41]	2.63 [67]	4.81 [122]	.19 [5]	1.63 [41]	4.5 [144]	.63 [16]	.06 [2]	.25 [7]	6.44 [163]	.41 [10]	1.44 [37]	.63 [81]	2.25# 1 kg	4.12# 1.85 kg

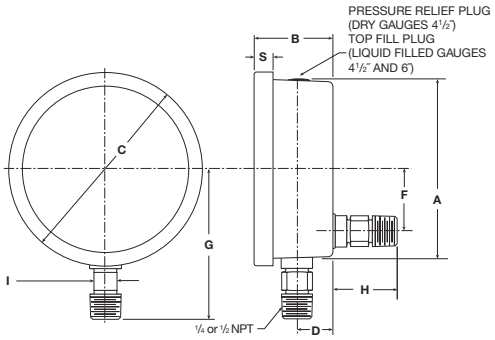
4½″ & 6″ 1009 BACK CONNECT, WALL MOUNTING BRACKET (XBF)



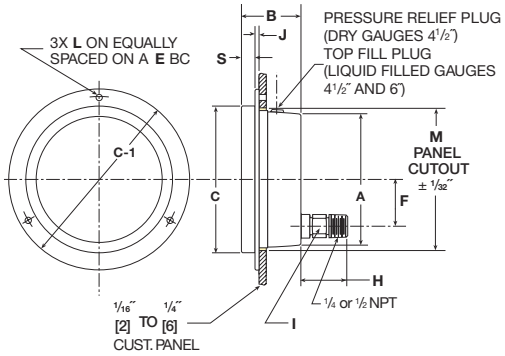
4½″ & 6″ 1009 BACK CONNECT U-CLAMP (XUC)



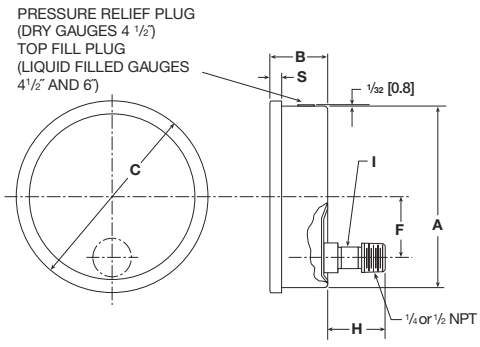
4½″ & 6″ 1009 LOWER OR BACK CONNECT



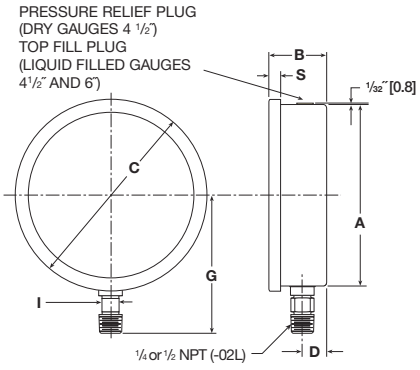
4½″ & 6″ 1009 BACK CONNECT FRONT FLANGE (XFF)



6″ 1009 BACK CONNECT



6″ 1009 LOWER CONNECT



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