

Data Sheet

1008S/SL Center Back Pressure Gauge

FEATURES

- FlutterGuard™ option to reduce movement wear and pointer flutter
- All welded stainless steel construction
- Dry or liquid filled versions
- Center back connection

TYPICAL USES

- Pumps and compressors
- Hydraulics and pneumatics
- Specialized OEM equipment
- Food and beverage



1008S/SL Center Back
63 mm, 100 mm dial size



SPECIFICATIONS

Accuracy: $\pm 3-2-3\%$ of span (ASME B40.100, Grade B)

Size: 63 mm, 100 mm

Ranges: Vacuum, Compound to 20,000 psi

Process Connection Location: Center Back

Process Connection Size: $\frac{1}{4}$ NPT Male

Fill Plug: Buna-N ventable design

Movement: Stainless steel gear type

Window Material: Polycarbonate

Dial: Black figures on white background, aluminum

Pointer: Black, aluminum

Weather Protection: NEMA 4X/IP65 (plug closed)
NEMA 3/IP54 (plug vented)

Dampening: Liquid filled, FlutterGuard™ and throttle plug

Mounting: U-clamp, front flange, retrofit flange

Approvals: CRN, RoHS, CE/UKCA

WETTED COMPONENTS

Bourdon Tube	Process Connection Material	Joints
316L SS	316 Stainless steel	Welded

NON-WETTED COMPONENTS

Case	Ring
304 SS	304 Stainless steel crimped

KEY BENEFITS

- Accessory kits for easy panel mounting
- True Zero™ reduces reading errors “zero box” instead of conventional dial pins
- One year warranty

MIN/MAX TEMPERATURE LIMITS

Version	Ambient	Process	Storage
Dry	-40 °F to 200 °F (-40 °C to 93 °C)	-40 °F to 250 °F (-40 °C to 121 °C)	-40 °F to 250 °F (-40 °C to 121 °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)

Data Sheet

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ORDERING CODE	Example:	63	1008	S	L	02	C	XUC	100#
Dial Sizes									
63 - 63 mm (2½")		63							
10 - 100mm (3½")									
Model Code									
1008 - 304 Stainless steel case			1008						
System									
S - 316 Stainless steel tube/316 Stainless steel process connection				S					
Case Fill									
Blank - Dry gauge									
L - Liquid fill (glycerin)					L				
Process Connection Size									
01 - ⅛ NPT Male (63 mm only)									
02 - ¼ NPT Male						02			
RW - SAE 4 7/16"-20 Straight thread with washer and O-ring (63mm only)									
Process Connection Location									
C - Center back							C		
Options (If choosing an option(s) must include an "X")								X__	
Dampening									
ZY - FlutterGuard™									
GV - Silicone filled									
TU - Stainless steel throttle plug (0.013" orifice) standard on liquid filled and FlutterGuard™ 30 psi and above; on dry gauges 1000 psi and above									
Mounting									
UC - U-clamp mounting									
FF - Front flange									
RF - Retrofit flange									
Case									
LJ - Liquid fillable dry case (throttle plug supplied as standard)									
Test and Calibration									
6B - Cleaned for oxygen service (dry gauges only)									
C4 - Traceable calibration certificate									
Other									
AN - 1% accuracy									
NH - Stainless steel tag									
NN - Paper tag									
Range (See range table on page 3 for all standard ranges)									
Single Scales									
100# - 100 psi									100#

Data Sheet

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SINGLE SCALE					NOTES
	psi	bar	kPa	Mpa	kg/cm2
Vacuum	30IMV	N1BR	N100KP	N0.1MP	N1KG
	-	N1/0.6BR	N100/60KP	N0.1/0.6MP	N1/0.6KG
	30IMV&15#	-	-	-	-
Compound	-	N1/1.5BR	N100/150KP	N0.1/15MP	N1/1.5KG
	30IMV&30#	-	-	-	-
	-	N1/3BR	N100/300KP	N0.1/3MP	N1/3KG
Positive Pressure	30IMV&60#	-	-	-	-
	-	N1/5BR	N100/&500KP	N0.1/5MP	N1/5KG
	-	-	-	-	-
	30IMV&100#	-	-	-	-
	30IMV&150#	-	-	-	-
	30IMV&300#	-	-	-	-
	-	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	10000KP	10MP	100KG
	2000#	-	-	-	-
	-	160BR	16000KP	16MP	160KG
	3000#	-	-	-	-
	-	250BR	25000KP	25MP	250KG
	4000#	-	-	-	-
	5000#	-	-	-	-
	6000#	400BR	40000KP	40MP	400KG
	-	600BR	60000KP	60MP	600KG
	8000#	-	-	-	-
	10000#	-	-	-	-
	15000#	1000BR	100000KP	100MP	1000KG

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Data Sheet

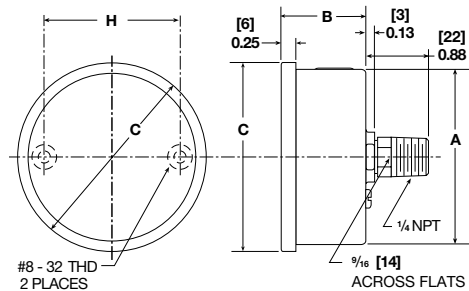
1008S/SL Center Back Pressure Gauge

DIMENSIONS in [] are millimeters

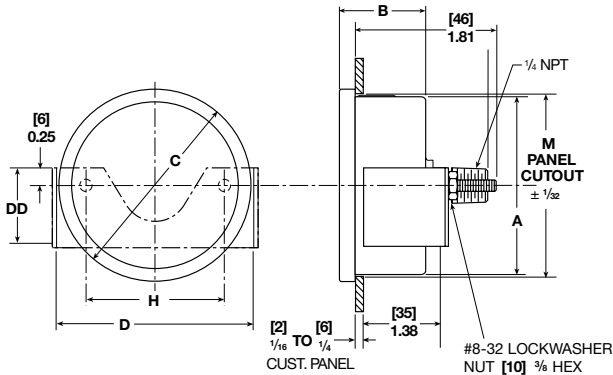
For reference only, consult Ashcroft for specific dimensional drawings

Gauge Size (inches)	A	B	C	C-1	D	DD	E	H	M
2.48 [63]	2.48 [63]	1.21 [31]	2.71 [69]	3.36 [86]	2.95 [75]	1.12 [28]	2.95 [75]	1.94 [49]	2.54 [65]
3.94 [100]	3.94 [100]	1.21 [31]	4.16 [106]	5.22 [133]	4.20 [107]	1.12 [28]	4.57 [116]	3.00 [76]	3.97 [101]

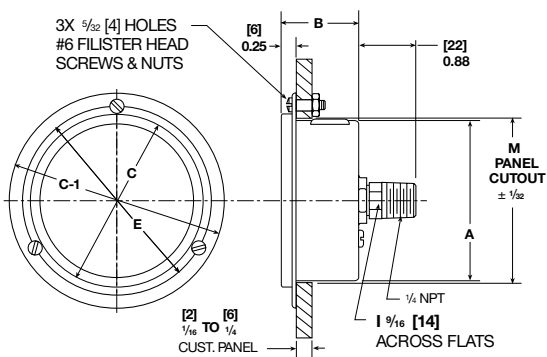
Center Back Connection



Center Back Connection U-Clamp



Center Back Connection Front Flange



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