

## Data Sheet

# 2008 Panel Builders Pressure Gauge

### FEATURES

- 3-hole front flange welded case
- PowerFlex™ movement provides superior resistance to shock, vibration and pulsation
- TrueZero™ reduces reading errors by using a “zero box” instead of conventional dial pins ensuring product safety, integrity and system control
- MSL helium leak tested to  $1 \times 10^{-6}$  scc/s
- Corrosion resistant stainless steel case

### TYPICAL USES

- Oil and gas control panels
- Deionized water
- Hydraulics and pneumatics
- Specialized OEM equipment
- Food and beverage
- Pharmaceutical



**2008S**  
63mm (2½") dial size



### SPECIFICATIONS

Accuracy:	±1.6% of span (dry) ±2% of span (liquid filled)
Sizes:	63 mm (2½")
Ranges:	0-15 psi, 0-15,000 psi, vacuum and compound
Process Connection Location:	Lower back
Process Connection Size:	⅛ and ¼ NPT (see ordering code for more options)
Dial:	Black figures on white background, aluminum
Pointer:	Black aluminum
Movement:	304 SS with glassed filled polyester segment
Weather Protection:	IP65 (Plug closed), IP54 (Plug vented), NEMA 4X (Plug closed)
Dampening Options:	<b>PLUS!™</b> Performance, Glycerin case fill, silicone case fill, Halocarbon® case fill
Approvals:	CRN, RoHS, PED

### WETTED COMPONENTS

Bourdon Tube	Process Connection
316L SS	316 SS

### NON-WETTED COMPONENTS

Case	Window	Ring
304 SS/316L SS	Polycarbonate	304 SS/316L SS

### KEY BENEFITS

- **PLUS!™** Performance dampens vibration, shock and pulsation effects
- Easy installations

### 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)
<b>PLUS!™</b>	-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)

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ORDERING CODE	Example:	632008	S	L	02	B	XC4	100
<b>Dial Size/Series Code</b>								
632008 - 63 mm (2 1/2")		632008						
<b>System</b>								
S - 316L Stainless steel tube, 316 Stainless steel process connection			S					
<b>Case Fill</b>								
Leave blank - Dry liquid fillable case								
L - Liquid filled case (Glycerin standard)				L				
<b>Process Connection Size</b>								
01 - 1/8" NPT Male								
02 - 1/4" NPT Male					02			
RW - SAE 4 7/16" -20 straight thread								
KJ - 1/4" Straight JIS, BSP								
KA - 1/4" Tapered JIS, BSP								
13 - G 1/4" DIN								
07 - 1/8" BSPT tapered thread								
JP - 1/4" Tubing (N/A with throttle plug)								
JQ - 6 mm Tubing (N/A with throttle plug, N/A ranges above 6,000 psi)								
<b>Process Connection Location</b>								
B - Lower back mount connection						B		
<b>Options (if choosing an option(s) must include an "X")</b>								
AN - 1% Accuracy								X__
C4 - <a href="#">Traceable calibration certificate</a>								C4
LL - <b>PLUS!</b> ™ Performance								
GV - Silicone case fill								
GX - Halocarbon® case fill								
YW - 316L Stainless steel case and ring								
TU - Throttle plug (1,000 psi max.)								
TS - Throttle screw (15,000 psi max.)								
6B - Cleaned for oxygen service								
SH - Red set hand, stationary								
NH - Stainless steel tag wired to case								
NN - Paper tag								
NZ - Silicone free dampening								
SM - All Stainless steel movement								
<b>Ranges (See range table or all standard ranges)</b>								
<b>Single Scale</b>								
100# - 100 psi								100#

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Standard Ranges					
	psi	bar	kPa	MPa	kg/cm <sup>2</sup>
Vacuum	30IMV	N1BR	N100KP	N0.1MP	N1KG
	-	N1/0.6BR	N100/60KP	N0.1/0.06MP	N1/0.6KG
	30IMV&15#	-	-	-	-
Compound	-	N1/1.5BR	N100/150KP	N0.1/0.15MP	N1/1.5KG
	30IMV&30#	-	-	-	-
	-	N1/3BR	N100/300KP	N0.1/0.3MP	N1/3KG
	30IMV&60#	-	-	-	-
	-	N1/5BR	N100/500KP	N0.1/0.5MP	N1/5KG
	-	-	-	-	-
	30IMV&100#	-	-	-	-
	-	N1/9BR	N100/900KP	N0.1/0.9MP	N1/9KG
	15#	1BR	100KP	0.1MP	1KG
	-	1.6BR	160KP	0.16MP	1.6KG
Positive Pressure	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	1,000KG	

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### DIMENSIONS in [ ] are millimeters

For reference only, consult Ashcroft for specific dimensional drawings

