

## Data Sheet

# 2008S Stainless Case, 63mm Panel Builders Gauge

### FEATURES

- 3-hole front flange welded to case
- Corrosion resistant stainless steel case
- Dry gauges are field fillable
- PowerFlex™ movement provides superior resistance to shock, vibration and pulsation
- True Zero™ reduces reading errors by using “zero box” instead of conventional dial pins
- MSL helium leak tested to 1X10<sup>-6</sup> scc/s
- **PLUS!**™ performance available for liquid filled performance with a dry gauge
- Ventable fill plug

### TYPICAL USES

- Oil and Gas Control Panels
- Deionized Water
- Hydraulics and Pneumatics
- Specialized OEM equipment
- Food and Beverage
- Pharmaceutical

### SPECIFICATIONS

Accuracy: 1.6% full scale (Dry), 2% liquid filled  
 Dial Sizes: 63mm (2½")  
 Ranges: Minimum 0-15 psi, maximum 0-15,000 psi, vacuum and compound

#### Wetted Materials

Tube: 316L Stainless steel  
 Process Connection: 316L Stainless steel

#### Non Wetted Materials

Window: Polycarbonate  
 Dial: Black figures on white background, aluminum  
 Pointer: Black, aluminum  
 Movement: PowerFlex™ movement, inaccessible  
 Bottom plate – 304 Stainless steel  
 Upper plate – 304 Stainless steel  
 Pin – 304 Stainless steel  
 Hairspring assembly – 304 Stainless steel  
 Pinion – 304 Stainless steel  
 Segment – Glass filled polyester

Case: 304 Stainless steel (Std.), 316L Stainless steel (XYW)

Ring: 304 Stainless steel (Std.), 316L Stainless steel (XYW)

Process Connection

Location: Back

Process Connection

Sizes: ½ NPT, ¼ NPT (see ordering code for more options)

Dampening: Glycerin case fill (Std. liquid fill), Silicone case fill (XGV), Halocarbon case fill (XGX), **PLUS!** Performance (XLL)



### KEY BENEFITS

- IP65 Rating
- NEMA 4X
- CRN Approved
- PED
- **PLUS!**™ Performance (XLL)

Weather Protection: IP65 (Plug closed), IP54 (Plug vented)  
 NEMA 4X (Plug closed)

Approvals: CRN, RoHS, PED

### MIN/MAX TEMPERATURE LIMITS

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

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### ORDERING CODE

Example:		<b>632008</b>	<b>S</b>	<b>L</b>	<b>02</b>	<b>B</b>	<b>XLL</b>	<b>60#</b>
<b>Dial Size/Series Code</b>								
632008 – 63mm stainless steel case		632008						
<b>System</b>								
S - 316L SS tube/316L SS process connection			S					
<b>Case Fill</b>								
Dry, liquid fillable case								
L - Liquid filled case (Glycerin standard)				L				
<b>Process Connection Sizes</b>								
01 - 1/8" NPT Male								
02 - 1/4" NPT Male					02			
RW - SAE 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 throttling device								
JQ - 6mm Tubing, N/A with throttling device, N/A for ranges above 6000 psi								
<b>Connection Location</b>								
B - Lower back mount connection						B		
<b>Options</b>								
LL - <b>PLUS!</b> ™ performance							LL	
GV - Silicone case fill								
GX - Halocarbon case fill								
YW - 316 Stainless steel case and ring flange								
TU - Throttling device for ranges up to 1000 psi								
TS - Throttling device for ranges up to 15,000 psi								
6B - Cleaned for oxygen service								
SH - Red set hand, stationary								
NH - Stainless steel tag wired to case								
AB - Gauges calibrated to compensate for absolute pressure								
KH - Custom calibration requirements								
HY - Hydrostatic/pneumatic testing system pressurized to 150% of rated system pressure for 5 minutes. Overload stop standard								
C4 - Individual calibration chart in accordance with ASME b40.100:2013. Accuracy traceable to N.I.S.T								
SM - All stainless steel movement								
YW - 316L stainless steel case, ring and flange								
<b>Range (coding examples only, see range table for all standard ranges)</b>								
<b>Single Scales</b>								
15# - 15 psi								60#
1BR - 1 bar								
1KSC - 1 kilograms per sq. cm								
100KP - 100 kilopascal								
<b>Dual Scales</b>								
15#/BR - 15 psi inner scale, 1 bar outer scale								
1BR/# - 1 bar inner scale, 15 psi outer scale								

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STANDARD RANGES				
psi	bar	kPa	Mpa	kg/cm <sup>2</sup>
30IMV	-1BR	-100KP	-.1MP	-1KSC
-	-1&.6BR	-100&60KP	-.1&.06MP	-1&.6KSC
30IMV&15#	-	-	-	-
-	-1&1.5BR	-100&150KP	-.1&.15MP	-1&1.KSC
30IMV&30#	-	-	-	-
-	-1&.3BR	-100&300KP	-.1&.3MP	-1&.3KSC
30IMV&60#	-	-	-	-
-	-1&.5BR	-100&500KP	-.1&.5MP	-1&.5KSC
30IMV&100#	-	-	-	-
-	1&.9BR	-100&900KP	-.1&.9MP	-1&.9KSC
15#	1BR	100KP	.1MP	1KSC
20#	-	-	-	-
-	1.6BR	160KP	.16MP	1.6KSC
30#	-	-	-	-
-	2.5BR	250KP	.25MP	2.5KSC
60#	4BR	400KP	.4MP	4KSC
-	6BR	600KP	.6MP	6KSC
100#	-	-	-	-
120#	-	-	-	-
-	10BR	1000KP	1MP	10KSC
160#	-	-	-	-
200#	-	-	-	-
-	16BR	1600KP	1.6MP	16KSC
300#	-	-	-	-
-	25BR	2500KP	2.5MP	25KSC
400#	-	-	-	-
500#	-	-	-	-
600#	40BR	4000KP	4MP	40KSC
800#	-	-	-	-
-	60BR	6000KP	6MP	60KSC
1000#	-	-	-	-
1500#	100BR	10000KP	10MP	100KSC
2000#	-	-	-	-
-	160BR	16000KP	16MP	160KSC
3000#	-	-	-	-
-	250BR	25000KP	25MP	250KSC
4000#	-	-	-	-
5000#	-	-	-	-
6000#	400BR	40000KP	40MP	400KSC
8000#	-	-	-	-
-	600BR	60000KP	60MP	600KSC
10000#	-	-	-	-
15000#	1000BR	100000KP	100MP	1000KSC

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**DIMENSIONS** (dimensions in [ ] are millimeters)

