

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 1X10⁻⁶ 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, 304 SS with polyester segment
 Case: 304 Stainless steel (Standard),
 316L Stainless steel (XYW) (Optional)
 Ring: 304 Stainless steel (Standard),
 316L Stainless steel (XYW) (Optional)

Process Connection

Location: Lower 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)
PLUS!	-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: **632008 S L 02 B XLL 60#**

Dial Size/Series Code	632008	S	L	02	B	XLL	60#
632008 – 63mm stainless steel case	632008						
System							
S - 316L SS tube/316L SS process connection		S					
Case Fill							
Dry, liquid fillable case							
L - Liquid filled case (Glycerin standard)			L				
Process Connection Sizes							
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							
JP - 1/4" Tubing, N/A with throttling device							
JQ - 6mm Tubing, N/A with throttling device, N/A for ranges above 6000 psi							
Connection Location							
B - Lower back mount connection					B		
Options							
LL - PLUS! ™ 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							
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							
Range (coding examples only, see range table for all standard ranges)							
Single Scales							
15# - 15 psi							60#
1BR - 1 bar							
1KSC - 1 kilograms per sq. cm							
100KP - 100 kilopascal							
Dual Scales							
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 ²
30IMV	-1BR	-100KP	-.1MP	-1KSC
-	-1&.6BR	-100&60KP	-.1&.06MP	-1&.6KSC
30IMV&15#	-	-	-	-
-	-1&1.5BR	-100&150KP	-.1&.15MP	-1&1.5KSC
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)

