**FEATURES**
- Meets ASME B40.100 specifications
- Corrosion resistant SS 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
- PLUS!™ performance available for liquid filled performance with a dry gauge
- MSL helium leak tested to 1X10^-6 scc/s
- Ventable fill plug
- Accessory kits for easy panel mounting

**TYPICAL USES**
- Pumps and compressors
- Boilers
- Equipment skids
- Specialized OEM equipment
- Hydraulics and pneumatics
- Severe ambient conditions

**SPECIFICATIONS**

- **Accuracy:** ASME B40.100, Grade 1A, ±1% of span (Dry) 
  +1.5% of span (Liquid filled)
- **Dial Sizes:** 2½˝ (63mm), 3½˝ (100mm)
- **Ranges:** Minimum 0-15 psi, maximum 0-15,000 psi, vacuum and compound

**Wetted Materials**
- **Tube:** 316L SS tube
- **Process Connection:** 316L SS socket (SW)
  - Aluminum bronze socket (AW)

**Non Wetted Materials**
- **Window:** Polycarbonate (Std.), Safety glass (XSG), Polysulfone (XPS) 3½” Dial only
- **Dial:** Black figures on white background, aluminum
- **Pointer:** Black, aluminum, adjustable (Std.), micrometer (XMP)
- **Movement:** PowerFlex movement
  - Bottom plate – 304 SS
  - Upper plate – 304 SS
  - Pin – 304 SS
  - Hairspring assembly – 304 SS
  - Pinion – 304 SS
  - Segment – Glass filled polyester
- **Case:** 304 SS (Std.), 316L SS (XYW)
- **Ring:** 304 SS (Std.), 316L SS (XYW)
- **Process Connection Location:** Lower, Back, Top, 3 o’clock, 9 o’clock
- **Process Connection Sizes:** ½ NPT, ¼ NPT (see ordering code for more options)

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

**MIN/MAX TEMPERATURE LIMITS**

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<th>Version</th>
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<th>Process</th>
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Dampening: Glycerin case fill (Std. liquid fill), Silicone case fill (XGV), Halocarbon case fill (XGX), PLUS! Performance (XLL)

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

Approvals: CRN, RoHS, PED
### 1009 Stainless Steel Case Gauge

**ORDERING CODE**

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**System**

- **AW** - 316L SS tube/Aluminum, bronze connection (Max. pressure 1000 psi)
- **SW** - 316L SS tube/316L SS process connection (Max. pressure 15,000 psi)

**Case Fill**

- Dry, liquid fillable case
- **L** - Liquid filled case (Glycerin standard)

**Process Connection Sizes**

- **01** - 1/8 NPT Male
- **02** - 1/4 NPT Male
- **04** - 1/2 NPT Male
- **RW** - SAE 7/16 & 20 Straight thread
- **EJ** - 7/8 X 20 UNF-3A 37° flare
- **KJ** - 1/4 Straight JIS, BSP - 1009SW
- **KA** - 1/4 Tapered JIS, BSP - 1009SW
- **13** - 1/4” DIN
- **JP** - 1/4” Tubing, N/A with throttle plug, N/A ranges above 6000 psi
- **JQ** - 6mm Tubing, N/A with throttle plug, N/A ranges above 6000 psi
- **JL** - 3/8” 18 UNF-2A, N/A on 25 1009 lower

**Connection Location**

- **L** - Lower mount connection
- **B** - Lower back mount connection
- **D** - Side connection (3 o’clock)
- **E** - Side connection (9 o’clock)
- **T** - Top connection

**Options (if choosing an option(s) must include an “X”)**

- **LL** - PLUS!™ performance
- **GV** - Silicone case fill
- **GX** - Halocarbon case fill
- **TU** - Throttling device for ranges up to 1000 psi
- **TS** - Throttling device for ranges up to 15,000 psi
- **6B** - Cleaned for oxygen service
- **SG** - Safety glass
- **PS** - Polysulfone window (3 1/2˝ dial only)
- **EO** - Adjustable red set hand
- **SH** - Red set hand, stationary
- **NH** - SS tag wired to case
- **FF** - Front flange
- **FW** - Back flange
- **UC** - U-clamp
- **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

**Range (coding examples only, see range table for all standard ranges)**

**Single Scales**

- 15# - 15 psi 3000#
- 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
## STANDARD RANGES

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All sales subject to standard terms and conditions.
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ashcroft.com
info@ashcroft.com
1.800.328.8258
1009 Stainless Steel Case Gauge

DIMENSIONS (dimensions in [ ] are millimeters)

2½” 1009 Lower and Back Connect

3½” 1009 Lower and Back Connect

2½” 1009 Back Connect (XUC)

3½” 1009 Back Connect (XUC)

2½” 1009 Back Connect (XFF)

3½” 1009 Back Connect (XFF)

2½” 1009 Lower and Back Connect (XFW)

3½” 1009 Lower and Back Connect (XFW)
1009 Stainless Steel Case Gauge with Tubing Connections

DIMENSIONS (dimensions in [ ] are millimeters)

2½˝ 1009 Lower and Back Connect

3½˝ 1009 Lower and Back Connect

2½˝ 1009 Back Connect (XUC)

3½˝ 1009 Back Connect (XUC)

2½˝ 1009 Back Connect (XFF)

3½˝ 1009 Back Connect (XFF)

2½˝ 1009 Lower and Back Connect (XFW)

3½˝ 1009 Lower and Back Connect (XFW)