

## Data Sheet

# 8008A Commercial Pressure Gauge

### FEATURES

- Meets EN837-1 and ASME B40.100 specifications
- Corrosion resistant stainless steel case
- Dry gauges are field fillable
- FlutterGuard™ standard on dry gauges
- Custom dials available
- Ventable fill plug
- Accessory kits for easy panel mounting

### TYPICAL USES

- Hydraulic systems
- Hydraulic hand tools
- Injection molding equipment
- Pressure washers and sprayers
- Paint spray equipment
- Compressors
- Irrigation equipment



### SPECIFICATIONS

Accuracy:	63mm: ±1.6% of span per EN837-1 ±1% of span per EN837-1 ±2-1-2% of span ASME B40.100
	100mm: ±1% of span per EN837-1
Dial Sizes:	63mm (2½"); 100mm (4")
Ranges:	Vacuum, compound, 15 to 15,000 psi, bar, kPa, MPa, kg/cm², (available in single or dual scale)
Working Pressure:	Steady: 75% full-scale value Fluctuating: 80% full-scale value Short Time: full-scale value
Over Pressure/ Proof Pressure:	≤100 bar ranges: 125% of maximum scale value >100 to ≤600 bar ranges: 115% of maximum scale value >600 to ≤1000 bar ranges: 110% of maximum scale value
Process Connection Location:	63mm: Lower or center back 100mm: Lower or lower back
Process Connection Sizes:	63mm: ¼ NPT, ¼ NPT, G¼ B, ¼ BSPT, SAE-4 7/16-20, M14x1.5, #4JIC 100mm: ¼ NPT, ½ NPT, G¼ B, G½ B, M20x1.5, ¼ BSPT, ½ BSPT
Dial:	Black figures on white background (blue secondary scale for dual scale dials); aluminum
Pointer:	Black, aluminum
Movement:	Brass
Dampening:	FlutterGuard™, Glycerin fill, Silicone fill
Temperature Effects:	±0.04% of span per °C change; reference temp. 20°C ±0.4% of span per 18°F change; reference temp. 68°F
Approvals:	RoHS (EU Directives 2011/65/EU and 2015/863); PED (2014/68/EU); CRN; IP 66 rating; NEMA 4 for water and dust ingress

### KEY BENEFITS

- Rugged design for OEM applications
- Cost effective for high volume applications
- Retrofits existing applications
- Customizable for new applications

### WETTED COMPONENTS

Bourdon Tube	Process Connection	Restrictor
Bronze (vacuum-8,700 psi & compound) 316 SS (10,000 psi-15,000 psi)	Brass/Soldered (vacuum-8,700 psi & compound) Brass/Brazed (10,000 psi & 15,000 psi)	Brass (0.013" orifice)

### NON-WETTED COMPONENTS

Case	Window	Ring
304 SS	Polycarbonate, glass, or safety glass	304 SS, crimped

### MIN/MAX TEMPERATURE LIMITS

Version	Ambient	Process	Storage
Dry with FlutterGuard™	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)
Glycerin Fill	20°F to 158°F (-7°C to 70°C)	-4°F to 158°F (-20°C to 70°C)	-40°F to 158°F (-40°C to 70°C)
Silicone Fill	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)