

Low pressure bellows gauge, solid front Model 1187, 1188 and 1189

According ASME B40.1

Nominal size 4 ½, 6 and 8 ½ inch

Accuracy: Grade A (2%-1%-2%)

Features

- Rugged construction
- Protection IP54
- High sensitivity
- Phenolic or Aluminum case
- Bellows-actuated mechanism
- Measuring system brass, stainless steel or Monel



Ranges

-25 ... 0 mbar up to 0 ... 600 mbar

-10 ... 0 inH₂O up to 0 ... 10 psi

Applications

Chemical and petrochemical industry

Machine and apparatus construction

Air handling and packing systems

Technical specification	1188			1189			1187									
Dial size [inch]	4 ½			4 ½	6	8 ½	4 ½ 6 8 ½									
Construction housing ring	Solid front safety pattern with blow out at the back						Hinged									
Measuring principle	Bellows-actuated mechanism															
Range [mbar]	25	40	60	100	160	250	400	600	-25	-40	-60	-100	-160	-250	-400	-600
Overpressure limit	±12,5 ±20 ±30 ±50 ±80 ±125 ±200 ±300															
Pressure type	F.S., short time															
Process connection	Gauge, vacuum and compound															
Process connection	¼" NPT male (standard), ½" NPT male according ANSI/ASME B1.20.1															
Process connection	Metric connections with adapter G ¼ B male, G ½ B male, M20x1,5 male															
Process connection	Others on request															
Connection location	Lower, back						Back									
Material	Brass, stainless steel AISI 316 (1.4401) or Monel															
Pressure connection	Brass, stainless steel AISI 316 (1.4401) or Monel															
Bellows	Phenolic															
Case	Aluminum			Aluminum			Aluminum									
Ring	Polypropylene			Polypropylene			Steel enamel coated									
Window	Instrument glass, optional laminated safety glass or acrylic glass															
Dial	Aluminum, black markings on white background															
Pointer	Aluminum, black															
Movement	Series 400 stainless steel															
Accuracy	Grade A (2%-1%-2% F.S.)															
Permissible	-15 ... 60°C															
Ambient temperature	max. 120°C															
Medium temperature	-40 ... 65°C															
Storage temperature	max. 0,3% / 10 K															
Effect	max. 0,3% / 10 K															
Protection according EN 60 529/IEC 529	IP54															
Mounting	Stem, surface, optional flush						Stem, flush									
Weight [kg]	1,1		1,1		1,4		2		1,1		1,4		2			
Accessories, options	Diaphragm seals, valves															

