



SPECIAL FEATURES

SOLID FRONT DESIGN FEATURES BAFFLE WALL INTERPOSED BETWEEN THE SENSING SYSTEM & THE WINDOW, AND A PRESSURE RELIEVING BACK FOR INCREASED SAFETY. EN 837-1 STAINLESS STEEL BLOW OFF BACK

APPLICATIONS

SUITABLE FOR HIGH PRESSURE GAS, CORROSIVE / HAZARDOUS ENVIRONMENT THAT WILL NOT OBSTRUCT THE PRESSURE SYSTEM.

STANDARD VERSION

NOMINAL SIZE : 63, 100 & 150mm

Accuracy class

63 mm : 1,6
100 & 150 mm : 1.0

Scale ranges :

63 mm : 0...1 to 0...1000 bar
100 & 150 mm : 0...0,6 to 0...1600 bar or equivalent other units of pressure or vacuum

| | |
|--------------------------|--|
| Ambient temperature | - 40°C to + 60°C |
| Process temperature | Max 200°C |
| Operating pressure range | 75% of Full scale value |
| Temperature effect | When temperature of the measuring system deviates from reference temperature (+20°C) max error $\pm 0,4\%$ /10K of true scale value |
| Over pressure limit | ≤ 100 bar : 125% of Max. scale value > 100 to ≤ 600 bar : 115% of Max. scale value > 600 to ≤ 1600 bar : 110% of Max. scale value |
| Case | AISI 304 SS [With filling plug of neoprene on top to be used also to vent case before use for range ≤ 16 bar] |
| Ring | AISI 304 SS, Bayonet type |
| Socket | AISI 316L SS (Directly welded to case) |
| Bourdon | AISI 316L SS [< 100 bar : C – type; ≥ 100 bar : Helical type] |
| Movement | AISI 304 SS [with over and underload stop; free zero] |
| Joints | Tig argon arc welding |
| Protection | IP 65 [IP 65 – EN 60 529 / IEC 529] only bottom type |
| Dial | Aluminium, black graduation on white background |
| Pointer | Aluminium, black coloured micrometer zero adjustable (Fixed for NS 63 mm) |
| Window | Safety glass 4 mm thickness |
| Blow off disc | AISI 304 SS |
| Gasket & filling plug | Neoprene rubber |

HOW TO ORDER

BASIC MODEL

Example

CODE

P-09

NOMINAL SIZE

| D | F | H |
|-------|--------|--------|
| 63 mm | 100 mm | 150 mm |

X

TYPE OF MOUNTING

- 1 WALL / SURFACE / PROJECTION MOUNTING WITH BOTTOM ENTRY
- 2 DIRECT BOTTOM ENTRY
- 3 DIRECT LOWER BACK ENTRY (NEVER FILLABLE)
- 4 DIRECT CENTRE BACK ENTRY (NS 63 mm & NEVER FILLABLE)

X

GAUGE CONNECTION (* Preferred for NS 63 mm)

| | | |
|------------------------------------|-----------------------------------|-----------------------------------|
| 2BM 1/4" BSP (M)(Standard)* | 3BM 3/8" BSP (M) | 4BM 1/2" BSP (M)(Standard) |
| 2NM 1/4" NPT (M)(Standard)* | 4NM 1/2" NPT (M)(Standard) | |

XXX

Note : Connections like Metric/ PT/ PF/ Flaired/ UNF/ G/ R etc can be provided on request.

RANGE

REFER RANGE TABLE

**0-10
bar**

OPTIONAL EXTRAS

| | |
|---|--|
| OA ACCURACY $\pm 0.5\%$ OF F. S. ** (DRY VERSION & MAXIMUM READING POINTER) | SX SS TAG PLATE |
| TI MONEL BOURDON & SOCKET (MONEL VERSION)**● | SW DIAL TAG MARKING |
| FL INTEGRAL DAMPENING SCREW (MONEL)● | TB HELIUM LEAK TEST |
| FS FILLABLE LIQUID SILICON OIL* | TF TESTED TO NACE STANDARDS |
| FG FILLABLE LIQUID GLYCERINE | PW FIVE POINT FACTORY CALIBRATION CERTIFICATE |
| PZ DAMPENING LIQUID MINERAL LIQUID FILLED | SG OXYGEN SERVICE |
| PX DAMPENING LIQUID FLOUROLUBE FILLED | RH CUSTOM DESIGNED DIAL |
| PY DAMPENING LIQUID GLYCERINE FILLED | QB INTEGRAL DAMPENING SCREW (AISI 316 SS) |
| QA DAMPENING LIQUID SILICON OIL FILLED* | SA INTERNAL OVER PRESSURE STOP** |
| RW PLEXI GLASS | SB INTERNAL VACUUM STOP** |
| SF MOVEMENT WITH DAMPENING JELLY | PS AISI 316 SS CASE & BEZEL |
| PU CALIBRATION CERTIFICATE TRACEABLE TO NATIONAL/ INTERNATIONAL STANDARDS | SD AISI 316 SS MOVEMENT ** |
| GH MATERIAL TEST CERTIFICATES*** | KA ON - OFF TYPE VENT PLUG |
| | ZL OVER RANGE PROTECTION 150% OF F. S.** |

XX

*Gasket & Filling plug of NBR. Consult factory for Viton.

**Applicable for NS 100 mm & 150 mm only.

*** MATERIAL TEST CERTIFICATES WILL BE PROVIDED FOR WETTED PARTS ONLY WITH CHEMICAL COMPOSITION TESTING. FOR OTHERS, PLEASE CONSULT FACTORY.

● INTEGRAL DAMPENING SCREW WILL BE IN MONEL IF ORDERED. REFER OPTION FL.

Ordering Example: P-09 - X - X - XXX - 0/10 bar - XX

FOR OTHER OPTIONAL ITEMS, PLEASE CONTACT FACTORY FOR DELIVERY AND MINIMUM QUANTITY OF ORDER.