



SPECIAL FEATURES

- EXTERNAL ZERO ADJUSTMENT (OPTIONAL)
- STAINLESS STEEL CASE & MEASURING SYSTEM
- SOCKET DIRECTLY WELDED TO CASE
- DRY AND LIQUID FILLED VERSION
- STANDARD FOLLOWED IN GENERAL EN 837-1 (FOR NS 100, 150 & 250 mm).
- CE MARKING (AS PER PED 97/23/EC, FOR NS 100 & 150mm)

APPLICATIONS

FOOD & BEVERAGE, PHARMACEUTICAL, CRYOGENICS, CHEMICAL & PETROCHEMICAL INDUSTRIES, CONVENTIONAL & NUCLEAR POWER PLANTS, PUMPS, HYDRO-CLEANING MACHINES, PRESSES, ENGINE COMPRESSORS, TURBINES, DIESEL ENGINES & REFRIGERATING PLANTS. SUITABLE FOR CORROSIVE ENVIRONMENTS & GASEOUS OR LIQUID MEDIA THAT WILL NOT OBSTRUCT THE PRESSURE SYSTEM.

STANDARD VERSION

NOMINAL SIZE : 100, 125, 150, 200 & 250 mm

Accuracy class : 1

Scale ranges : 0..0,6bar to 0...7000 bar

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) CONFIRM TO NACE MR0175

Bourdon AISI 316L SS [< 100 bar : C – type; ≥ 100 bar : Helical type] CONFIRM TO NACE MR0175

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]

Dial Aluminium, black graduation on white background, dial arc 270 °C

Pointer Aluminium, black coloured micrometer zero adjustable

Window Safety glass 4 mm thickness

Gasket Neoprene rubber

Blow out Neoprene rubber

GLYCERINE FILLED VERSION (OPTION PY)

Ambient temperature Maximum 65°C

Process temperature +15 °C / 100°C maximum

Blow out Plexi glass

Dampening liquids Glycerine 98% (others available as option)

Other features Refer specification of standard version

DRY BUT FILLABLE VERSION (OPTION FG)

Fillable dampening liquid Glycerine 98%

Process temperature Maximum 200°C

Window Safety glass

Other Features Refer specification of standard version

HOW TO ORDER

BASIC MODEL

CODE

NOMINAL SIZE

F	G	H	I	J
100 mm	125 mm	150 mm	200 mm	250 mm

TYPE OF MOUNTING

1 WALL / SURFACE / PROJECTION MOUNTING WITH BOTTOM ENTRY	5 LOWER BACK ENTRY WITH FRONT FLANGE
2 DIRECT BOTTOM ENTRY	6 2" PIPE / YOKE MOUNTING WITH BOTTOM ENTRY*
3 DIRECT LOWER BACK ENTRY	9 LOWER BACK ENTRY WITH MOUNTING BRACKET
4 DIRECT CENTER BACK ENTRY (FOR NS 100 mm ONLY)	11 BOTTOM ENTRY WITH FRONT FLANGE (FOR NS 100 mm, 125 mm & 150 mm)

* MOC OF BRACKET AND 'U' CLAMP WILL BE STEEL. ASK FACTORY FOR DRAWINGS, IF REQUIRED.

GAUGE CONNECTION

	F	G	H	I	J
2BM 1/4" BSP(M)	✓	✓	✓	×	×
2NM 1/4" NPT(M)	✓	✓	✓	×	×
2TM 1/4" BSPT(M)	✓	✓	✓	×	×
3BM 3/8" BSP(M)	✓*	✓	✓	✓	✓
3TM 3/8" BSPT(M)	✓	✓	✓	✓	✓
4BM 1/2" BSP(M) STANDARD	✓	✓	✓	✓	✓
4NM 1/2" NPT(M) STANDARD	✓	✓	✓	✓	✓
4TM 1/2" BSPT(M)	✓	✓	✓	✓	✓
4MM M 20x 1.5(M)	✓	✓	✓	✓	✓

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

* Standard for NS 100 mm.

RANGE

REFER RANGE TABLE

OPTIONAL EXTRAS

OA ACCURACY ± 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 CALIBRATION CERTIFICATE
PZ DAMPENING LIQUID MINERAL LIQUID FILLED	PU CALIBRATION CERTIFICATE TRACEABLE TO NATIONAL/INTERNATIONAL STANDARDS
PX DAMPENING LIQUID FLOUROLUBE FILLED	SG OXYGEN SERVICE (FOR DRY VERSION)
PY DAMPENING LIQUID GLYCERINE FILLED	RH CUSTOM DESIGNED DIAL
QA DAMPENING LIQUID SILICON OIL FILLED*	QB INTEGRAL DAMPENING SCREW (AISI 316 SS)
RW PLEXI GLASS	SA INTERNAL OVERPRESSURE STOP
RX SHATTERPROOF/SAFETY GLASS	SB INTERNAL VACUUM STOP
RZ TOUGHENED GLASS	ZB RECEIVER RANGE
SF MOVEMENT WITH DAMPENING JELLY	ZC FREON RANGE (WITH TEMPERATURE SCALE)
SI KNIFE EDGE POINTER	ZD AMMONIA RANGE (WITH TEMPERATURE SCALE)
SJ MAXIMUM READING POINTER WITH PLEXI GLASS (FOR DRY VERSION)◆	PS AISI 316 SS CASE & BEZEL◆
CE CE MARKING (AS PER PED 97/23/EC)◆◆	SD AISI 316 SS MOVEMENT
GH MATERIAL TEST CERTIFICATES***	CK EPOXY PAINTED CASE & BEZEL
KA ON - OFF TYPE VENT PLUG	ZM ELECTRO POLISHED CASE & BEZEL
PV IBR APPROVAL#	SQ CASE WITH ROLLING TYPE BEZEL (FOR NS 100 mm)
RG ANTI PARALLAX MIRROR BAND DIAL##	ZL OVER RANGE PROTECTION 150% OF F.S.
EZ EXTERNAL ZERO ADJUSTMENT (FOR DRY VERSION & WITH PLEXI GLASS)	JU 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 304 SS)
	FN 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS)

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

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

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

BOILER PRESSURE MAXIMUM UP TO 35 kg/cm² (GAUGE RANGE 70 kg/cm²). Consult factory for further procedure.

FOR NS 150 mm & ABOVE. ◆ FOR NS 100 to 150 mm.

◆◆ FOR NS 100 & 150 mm.

Ordering Example: P-12 - X - X - XXX - 0/10 bar - XX

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

Example

P-12

X

X

XXX

0-10 bar

XX