

# **Master Pressure Gauges**

**MODEL: MPG** 

#### **Features**

- Accuracy class ± 0.25% FSD
- Rugged construction
- 1.2 fold over range capability for short duration
- Traceability to national/International standard/laboratory
- Special carrying case (wooden box) with each gauge



### **Specifications**

 Ref. Standard
 EN 837

 Normal size
 150 mm / 250 mm

 Case & Bezel
 SS304 / SS316

**Dial** Anti parallax mirror type, white, with black markings.

Window Instrument glass
Pointer Balanced knife edge
Measuring element Bourdon in SS316 Ti

**Movement** Precision brass, jewel bearings

**Connection** 1/2" NPT (M), bottom or back eccentric in SS316

Range 760 mm Hg Vac upto 600 bar g

(Refer table -1)

Scale Bar(g), kg/cm2(g), PSI(g)

**Accuracy**  $\pm$  0.25% FSD

**Over range** 1.2 times maximum rating for short duration

**Suitability** Media up to 50°C

ambient (-) 25°C to 60°C

Option Pressure Comparator

Pressure Comparator consists of a hand operated Screw Pump, Reservoir for filling the System, Shut-off / Relieve Valves. Fluid Pressure is generated by operating the Screw Pump; and the pressure is made available at two test ports - one for Master Gauge and the other for the Gauge under Test. After testing the pressure is released using Relief Valve. It is easy to operate and provides maintenance free operation.

#### Table 1

Range	least Count	
Bar, kg/cm2	150 mm	250 mm
(-)1 to 0	0.005	0.005
(-)1 to 0.6	0.01	0.005
(-)1 to 1.5	0.02	0.01
(-)1 to 3	0.02	0.02
(-) 1 to 5	0.05	0.02
(-)1 to 9	0.05	0.05
(-)1 to 15	0.1	0.05
(-)1 to 24	0.2	0.1
(-)1 to 39	0.2	0.2
0 to 1	0.005	0.005
0 to 1.6	0.01	0.005
0 to 2.5	0.02	0.01
0 to 4	0.02	0.02
0 to 6	0.05	0.02
0 to 10	0.05	0.05
0 to 16	0.1	0.05
0 to 25	0.2	0.1
0 to 40	0.2	0.2
0 to 60	0.5	0.2
0 to 100	0.5	0.5
0 to 160	1.0	0.5
0 to 250	2.0	1.0
0 to 400	2.0	2.0
0 to 600	5.0	2.0

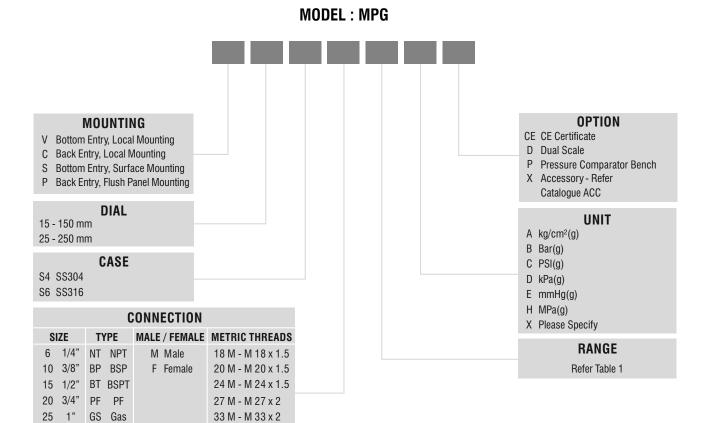
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## **Ordering Information**

32 1.1/4" NS NPS

40 1.1/2"



XX - Any other

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