



Utility (Commercial) Gauges

Size Availability:

inches	mm
1.5"	40
2.0"	50
2.5"	63
3.0"	80
4.0"	100
6.0"	150
8.0"	200
10.0"	250



Connection: Bottom (Direct / Surface Mounting for size 3.0" and above)
Back (CBM / Panel / Bracket)

Typical Applications



: These gauges are used where fluid medium does not clog connection port or corrode copper alloy for general Industrial applications such as compressors, pumps, boilers, hydraulic and pneumatic equipment, healthcare industry,...

Standard Features

Nominal Sizes:

40, 50, 63, 80, 100, 150, 200 and 250mm

Scale Ranges:

Vacuum, Pressure from 0...1.0 to 0...700kg/cm²
(for sizes 40 and 50mm upto 70kg/cm²)

Accuracy Class:

±2.5% of FSD

Liquid Filling:

Dry

Pressure Connection:

Bottom / Back

NS 40,50: 1/8" BSP / NPT, 12mm flats

NS 50,63: 1/8", 1/4" BSP / NPT, 14mm flats

NS 80,100,150: 1/4", 3/8" BSP/NPT, 17mm sq

NS 250: 3/8", 1/2" BSP / NPT, 22mm sq

Mounting:

: Bottom Direct, Back Direct

Back mounting with Panel (3 hole)

Back mounting with Bracket

Surface Mounting (80, 100, 150, 250mm only)

Special Versions / Optional / Extras:

1) Refrigerant Gauges with flare connection

2) Oxygen/Acetylene Gauges

3) Ammonia Gauges

4) Special Dials (Non-Standard Ranges, customer artwork etc.)

Bourdon Tube (Wetted Part) Material:

Copper Alloy

Pointer:

Black Tin, plastic

Movement Material:

Copper Alloy

Pressure Element:

Material: Copper Alloy

< 100kg/cm²: C-type

> 100kg/cm²: Coil type

Window:

Plain glass or acrylic

Case Material:

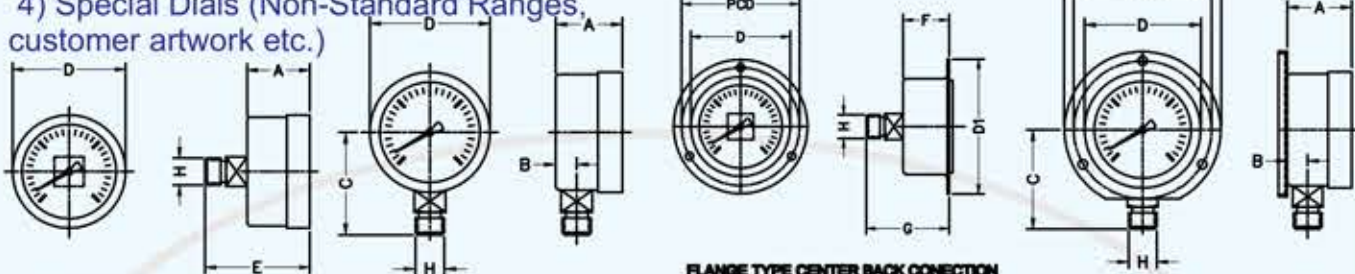
Case: Black painted steel (Black plastic for 2", 2½" possible for bulk order)

Bezel Ring:

Black finish steel

Dial:

White Aluminium with Red & Black lettering



STANDARD DIMENSIONS

NOMINAL SIZE	A	B	C ±1	D	D1	PCD	E ±1	F	G ±1	H
40 MM	27.0	—	—	42.0	—	—	47.0	—	—	1 1/8"
50 MM	30.0	9.5	45.5	53.0	73.0	64.0	53.0	25.4	50.0	1 1/4"
63 MM	30.0	9.5	51.0	65.0	90.0	80.5	53.0	27.0	51.0	1 1/2"
100 MM	36.0	10.5	73.5	97.0	136.0	115.0	66.0	36.0	66.0	1 1/2"
150 MM	40.0	10.5	109.0	154.0	196.0	171.0	—	—	—	1 1/2"
250 MM	45.0	16.0	158.0	249.0	—	—	—	—	—	2"