

Stainless Steel Case Pressure Gauge Fig. NSB

Specification

- Bourdon tube pressure gauge
- Stainless steel case
- Brass process connection
- Suitable for general industrial pressure indication
- Applications: HVAC systems, pumps, compressors, & hydraulic or pneumatic systems
- Compatible with non-corrosive media

Material Specifications

Part Name	Material	Specification
Case and bezel	Stainless Steel 304	EN 1.4301
Pressure sensing element	Copper Alloy	CuZn39Pb2
Process connection	Brass	CW617N
Window	Plastic	
Window gasket	Industrial Rubber Seal	NBR or EPDM
Pointer	Black Painted Aluminium	EN AW-1050A or EN AW-6060
Dial plate	Aluminium Alloy	EN AW-1050A or EN AW-3003

Technical Specifications

Nominal Dial Sizes	40, 50, 63, 75, 100 and 150 mm
Accuracy class	Class 2.5; Class 1.6 for nominal sizes above 100 mm (as stated in source)
Pressure range	0-600 bar; vacuum to -1 bar; compound to -1.24 bar (range selection subject to availability)
Process connection	G1/8, G1/4, G1/2 or NPT; other options on request
Ingress protection	IP65
Ambient temperature	-10 to +70 °C
Medium temperature	Up to 90 °C
Pressure element	C-type Bourdon tube up to 100 bar; helical tube above 100 bar
Overpressure limit	130% of full-scale pressure for ranges below 100 bar; 115% above 100 bar
Temperature error	Additional error up to ±0.4% of full scale per 10 °C deviation from +20 °C
Dial graduation	Black scale on white dial for single range; black and red for dual range
Filling	Dry or liquid-filled options

Features & Benefits

- ✔ Two-piece screwed case construction
- ✔ Stainless steel case
- ✔ Vibration-resistant design with liquid-filling option
- ✔ Standard restrictor screw
- ✔ Available in rear and front flange configurations
- ✔ Nominal pressure scales up to 600 bar

Applications

HVAC and building services, compressors, engines, pumps, sprinkler systems, pneumatic and hydraulic equipment, and process systems where the pressure medium is compatible with copper alloy wetted components

Notes

Specifications, materials and dimensions shown are subject to change without prior notice