

Bourdon Tube Pressure Gauges HP, Stainless Steel Series Model 130.15

WIKA Data Sheet PM 02.19

Applications

- Suitable for gaseous, liquid and corrosive media, also in a corrosive environment, for demanding high purity applications
- Suitable for all HP (High Purity) applications
- Semiconductor and flat panel industry
- Gas distribution systems
- Hook-up application

Special Features

- VCR® compatible face seal fittings
- Helium leak tested
- Electropolished case



Bourdon Tube Pressure Gauge, HP Model 130.15.2", pressure connection VCR® compatible face seal fitting with male nut

Description

Nominal size

1 ½", 2"

Accuracy class

NS 1 ½": Grade B according to ASME B40.1
NS 2": Grade A according to ASME B40.1

Scale ranges

0 ... 1 to 0 ... 400 bar (0 ... 15 to 0 ... 6000 psi)
or other equivalent units of pressure or vacuum

Working pressure

Steady: 3/4 x full scale value
Fluctuating: 2/3 x full scale value
Short time: full scale value

Operating temperature

Ambient: -40 ... +60 °C
Medium: +100 °C maximum

Temperature effect

When temperature of the pressure element deviates from reference temperature (+20 °C):
max. ±0.4 %/10 K of true scale value

Ingress protection

IP 54 per EN 60 529 / IEC 529

Pressure connection

Material: stainless steel 316L
Lower mount (LM) or centre back mount (CBM)
VCR® compatible face seal fittings:
with union nut (female)
with male nut
or with fixed body 9/16-18 UNF
Male thread ¼ NPT

VCR® is a registered trademark of Swagelok

Pressure element

Stainless steel 316L,

< 100 bar: C-type, ≥ 100 bar: helical type

Leakage proof: leak rate $\leq 10^{-9}$ mbar · l / s

Method of test: helium mass spectrometry

Movement

Stainless steel

Dial

White aluminium with black lettering, with pointer stop pin

Pointer

Black aluminium

Case

Stainless steel, electropolished

Window

Polycarbonate,

NS 1 1/2": snap-in

NS 2": screw on (twist-lock)

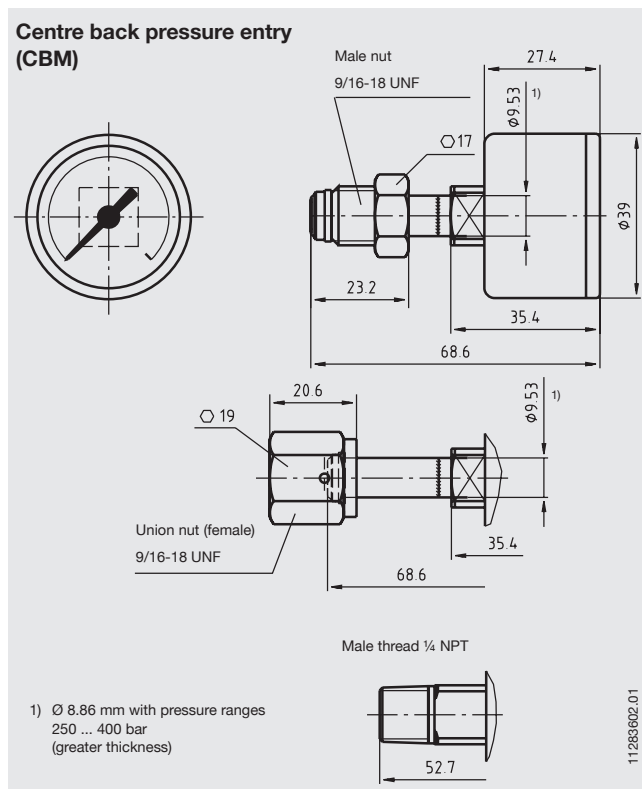
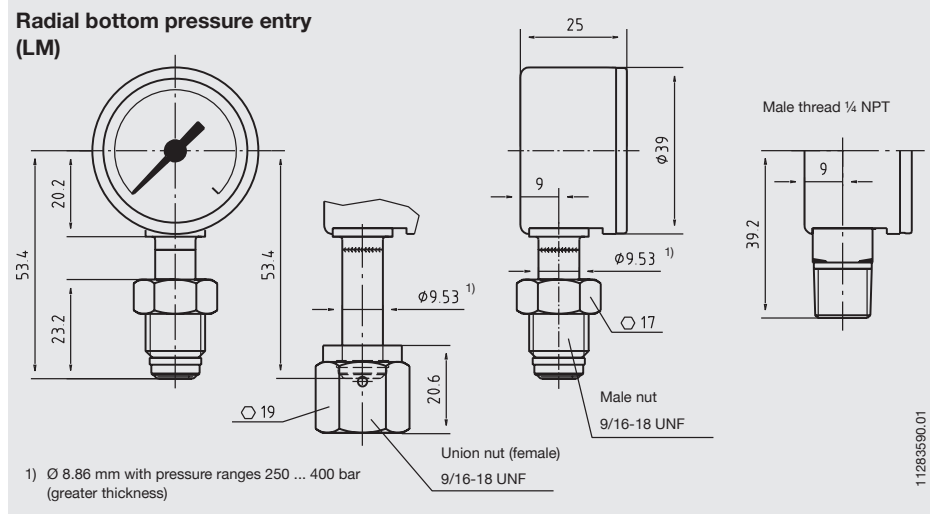
Cleanliness

O₂ cleaned acc. ASME Level IV

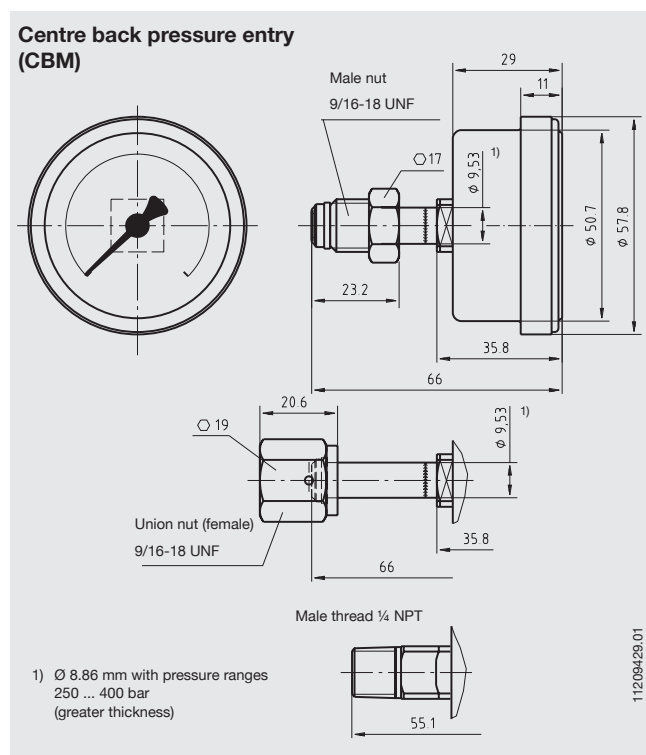
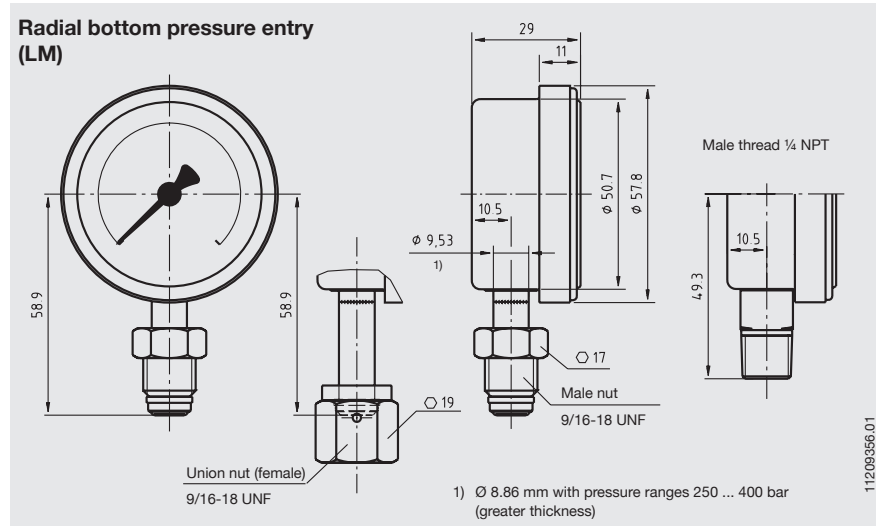
Optional extras

- Other process connection
- Pressure connection surface finish Ra $\leq 0.3 \mu\text{m}$
- Dual pressure scale
- Scale ranges up to 700 bar with pressure connection 1/4 NPT

Standard version NS 1 1/2"



Standard version NS 2"



Ordering information

Pressure gauge model / Nominal size / Scale range / Size and location of connection / Optional extras required

Modifications may take place and materials specified may be replaced by others without prior notice.
Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing.

