

Bourdon Tube Pressure Gauge

RChG 100-3 / Overrange protected with special scale

Application

Gauge with overrange protection for fluid and gaseous media (compatible to the wetted materials), which are not highly viscous, do not tend to polymerize and do not corrode stainless steel.

Technical Data

(more details see data sheet 1201)

Accuracy (EN 837-1)

1.0 (EN 837-1) for the pressure range up to the full scale value (not for the overpressure area)

Case

with bayonet ring, 1.4301 (304 stainless steel)

Protection Type (EN60 529 / IEC 529)

IP 65

Blow-out Device

Blow-out plug in the back of the case Ø 40 mm (1.57")

Case Ventilation

Model RChG 100 without ventilation, but with internal pressure compensation through pressure equalising membrane.

Case Filling

Glycerine

Nominal Case Size

100 mm (4")

Wetted Parts

Type -3: Connection: 1.4571
(316 stainless steel)
Bourdon tube: 1.4571
(316 stainless steel),
argon arc welding,
≥ 60 bar helical
≤ 40 bar c-form

Process Connection

½" BSP or ½" NPT

Window

Laminated safety glass

Movement

Stainless steel

Dial

Aluminum, black figures, white background

Pointer

Aluminum black



Safety Category according to EN 837-1

NCS 100 (4"): S1 pressure gauges
with blow-out device

Special Scale with Overpressure Range

Value in the overpressure range indicates the max. overpressure according to the table below:

Pressure range bar	Compound ranges bar	Max. overpressure bar
0 – 0.6		3
0 – 1		4
0 – 1.6	-1 – + 0.6	6
0 – 2.5	-1 – + 1.5	10
0 – 4	-1 – + 3	16
0 – 6	-1 – + 5	25
0 – 10	-1 – + 9	40
0 – 16	-1 – +15	45
0 – 25		75
0 – 40		80
0 – 60		110
0 – 100		200
0 – 160		320
0 – 250		500
0 – 400		800

Special Versions and further Options:

- coloured fields or areas, dial inscriptions
- without case filling
- NCS 160
- Safety version
- Lower back connection
- Other pressure ranges upon request

