



# Case Configurations, Code Letters, Dimensional Data and Weight, Blow-out Device

Bottom Connection	Centre Back Connection
without mounting device	
<p>without code letters</p>	<p>code letters <b>rm</b></p>
without mounting device	
<p>code letters <b>Rh</b></p>	<p>code letters <b>rmFr</b></p> <p>recommended panel cut out <math>\varnothing 84 \pm 0.5 \text{ mm}</math> (<math>3.31 \pm 0.02''</math>)</p>
without mounting device	
	<p>code letters <b>rmBFr</b></p> <p>recommended panel cut out <math>\varnothing 81 \pm 0.5 \text{ mm}</math> (<math>3.19 \pm 0.02''</math>)</p>

## Dimensional Data (mm / inch) and Weight (kg / lb)

NCS	D	D1	D2	a	a1	b	b1	b2	c	c1	c2	c3	d1	d2	d3	G	G1
80 3"	86 3.39	79 3.11	81 3.19	16 0.63	19 0.75	41.5 1.63	36 1.42	44 1.73	6 0.24	3 0.12	20 0.79	19 0.75	95 3.74	110 4.33	4.8 0.19	G $\frac{1}{2}$ B M 20x1.5	$\frac{1}{2}$ " NPT

g	g1	h	h1	s	s1	s3	s4	SW	approx. weight <sup>1)</sup>	
									RChg	RhgG
74 2.91	73 2.87	76 2.99	75 2.95	5 0.2	1 0.04	9 0.35	8 0.31	22 0.87	0.34 0.75	0.50 1.1

## Blow-out Device

Blow-out plug no. 19

## Optional

Model RChgG,  
case configurations bottom, rm

Blow-out plug no. 24 (reclosable, IP65)

<sup>1)</sup> data for version without mounting device

## Ordering Information

Basic Model	Bourdon Tube Pressure Gauge with Crimped-on Ring Case		RChg
Case filling	without		without code letters
	glycerin		<b>G</b>
	fillable version		<b>(G)</b>
Nominal case size	case Ø 80 mm (3")		<b>80</b>
Wetted material	copper alloy		<b>- 1</b>
	stainless steel		<b>- 3</b>
Case configuration	case / connection	screwed	without code letters
	position of the connection	bottom connection	without code letters
		centre back connection	<b>rm</b>
	mounting device	without	
back flange for surface mounting		<b>Rh</b>	
front flange for panel mounting		<b>Fr</b>	
u-clamp for panel mounting		<b>BFr</b>	
Pressure ranges	-1 200 / 0 mbar	-30" Hg - 0 psi	
	-0.6 / 0 bar		
	-1 / 0 bar		
	-1 / +0.6 bar	-30" Hg - 15 psi	
	-1 / +1.5 bar	-30" Hg - 30 psi	
	-1 / +3 bar	-30" Hg - 60 psi	
	-1 / +5 bar	-30" Hg - 100 psi	
	-1 / +9 bar	-30" Hg - 160 psi	
	-1 / +15 bar	-30" Hg - 200 psi	
		-30" Hg - 300 psi	
	0 - 0.6 bar	0 - 10 psi	
	0 - 1 bar	0 - 15 psi	
	0 - 1.6 bar		
	0 - 2.5 bar	0 - 30 psi	
	0 - 4 bar	0 - 60 psi	
	0 - 6 bar	0 - 100 psi	<b>e.g. 0 - 6 bar</b>
	0 - 10 bar	0 - 160 psi	
	0 - 16 bar	0 - 200 psi	
		0 - 300 psi	
	0 - 25 bar	0 - 400 psi	
	0 - 40 bar	0 - 600 psi	
	0 - 60 bar	0 - 800 psi	
		0 - 1 000 psi	
	0 - 100 bar	0 - 1 500 psi	
	0 - 160 bar	0 - 2 000 psi	
		0 - 3 000 psi	
	0 - 250 bar	0 - 4 000 psi	
	0 - 5 000 psi		
0 - 400 bar	0 - 6 000 psi		
0 - 600 bar	0 - 10 000 psi		
0 - 1 000 bar for type - 3	0 - 15 000 psi		
Process connection	standard thread	G ½ B	<b>G ½ B</b>
		½" NPT	<b>½" NPT</b>
		M 20x1.5	<b>M 20x1.5</b>
	options	¼" NPT	<b>¼" NPT</b>
Options	see page 4		
Example	<b>RChg 80 - 3 rmFr, 0 - 6 bar, G ½ B</b>		

## Ordering Information, Further Options

These options are to be ordered in written form. Please contact us to ensure compatibility when combining options.

<b>Red mark</b>	on the dial
<b>Plastic clip</b>	red or green, external at the crimped-on ring
<b>Receiver gauge</b> 0.2 – 1 bar (3 – 15 psi) scale 0 – 100 %	linear or square
<b>Special adjustment</b>	reference points = odd values, e.g. 100 KN = 8.735 bar
<b>Window</b>	laminated safety glass for type – 1 acrylic glass (PMMA)
<b>Movement</b>	stainless steel for type – 1 (standard for – 3)
<b>Blow-out plug no. 24</b>	reclosable, IP65
<b>Case polished</b>	
<b>Leak test of the measuring unit</b>	with helium leak detection up to $10^{-9}$ mbar l/s for type – 3
<b>Wetted parts free of grease and oil</b> up to 0 – 600 bar (0 – 10000 psi)	adjustment $\leq$ 250 bar (3000 psi) with dry air, $>$ 250 bar (3000 psi) with distilled water dial marking: symbol crossed out oil can
<b>Silicone-free version</b>	
<b>Restrictor screw</b> in the pressure inlet port material: brass or stainless steel	orifice $\varnothing$ 0.8 mm (0.03") orifice $\varnothing$ 0.6 mm (0.02") orifice $\varnothing$ 0.3 mm (0.01")
<b>Instrument tag</b>	stainless steel plate 12 x 55 mm (0.47 x 2.17"), wire mounting sticker on the case coverage

**Special Versions:** Please describe your requirements in cleartext!