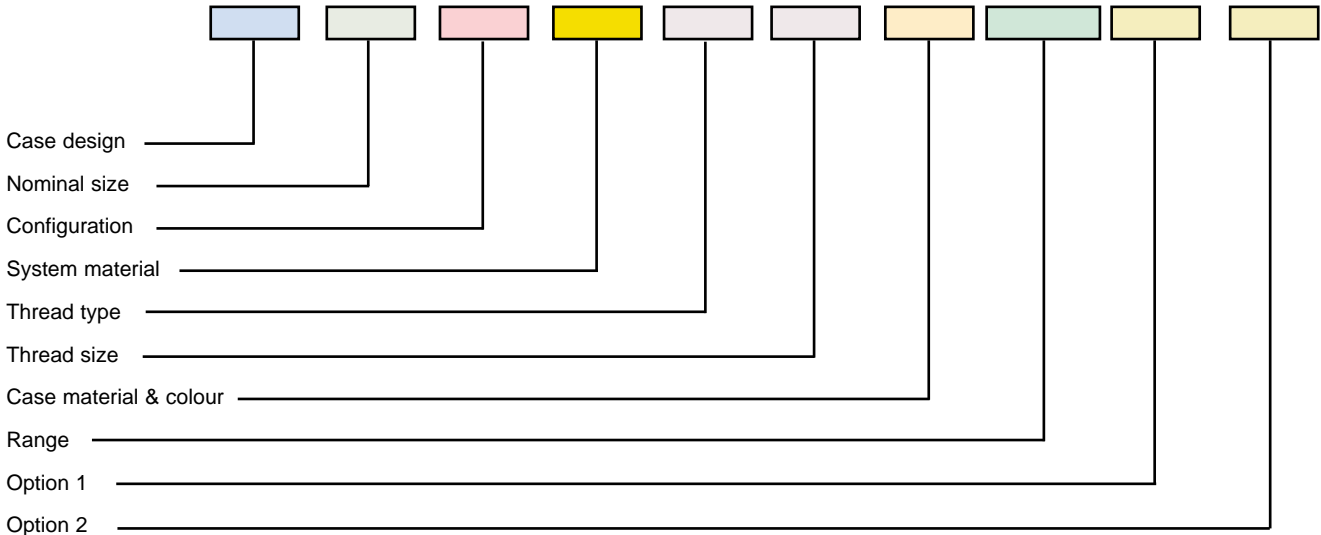


Pressure Gauge Ordering Information



Example Order Code:

SPG/100/A/SS/1/4/Q/0-10Bar/G/N

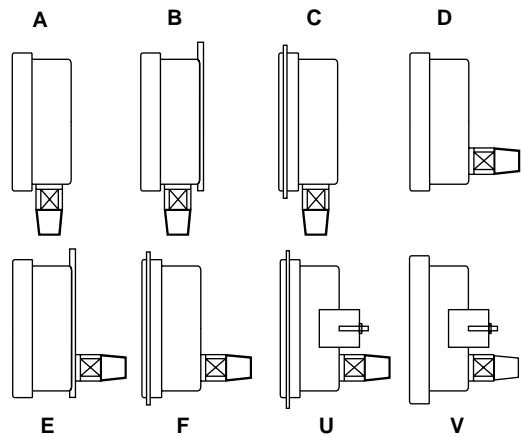
SPG Safety Pattern Gauge, 304 stainless steel case, 100 mm nominal size, bottom connection, direct mounting, 316 stainless steel bourdon tube, 1/2" BSP connection. Range 0 to 10 Bar. Options: glycerine filled.

For the complete part number for Diaphragm, Schaffer and Differential Pressure Gauges, please consult with your sales representative when placing an order

Case Type & Size

Case	Case & Bezel Material	Size Code	Nom. Size mm (inch)	Available Configuration
SPG	304 stainless steel	100	100 (4)	A B D F U
	316 stainless steel option (S1)	150	150 (6)	
RPG	304 stainless steel	63	63 (2.5)	A B D E F V
	316 stainless steel option (S1)	100	100 (4)	
		150	150 (6)	
RCG	304 stainless steel	100	100 (4)	A B D E F V
	316 stainless steel option (S1)	150	150 (6)	
DMC	Dough Moulded Compound	100	100 (4)	A B D V*
		150	150 (6)	(150 mm dial only)
Turret	Phenolic (black plastic)	115	115 (4.5)	A B
SPGA	Aluminium case - brass or Aluminium bezel	63	63 (2.5)	A B D E F U
		100	100 (4)	
		150	150 (6)	
		200	200 (8)	
		250	250 (10)	
		300	300 (12)	
RBZ	colour coded (grey) PBT - Polybutyleneterephthalate	100	100 (4)	A B D*
		150	150 (6)	*centre-back connection only brass 100mm
RBX	colour coded (black) PBT - Polybutyleneterephthalate	100	100 (4)	A
RBG	304 stainless steel	63	63 (2.5)	A B D E F U V
		100	100 (4)	
RBJ	(black) injection moulded, 304 stainless steel bezel	63	63 (2.5)	A
		80	80 (3.5)	
RBN	(black) injection moulded, polycarbonate clip-in lens	42	42 (1.5)	A D
		54	54 (2)	
		63	63 (2.5)	
RBM	(black) mild steel, polycarbonate clip-in lens	42	42 (1.5)	A D V
		54	54 (2)	
		68	68 (2.5)	
RBK	(black) mild steel, threaded Polycarbonate window	42	42 (1.5)	A D V
		54	54 (2)	
		68	68 (2.5)	*only option for safety pattern
		96	96 (4)	**54mm & 63mm only
RBU	(black) mild steel, flat acrylic window	42	42 (1.5)	A B** D E** F* U*
		54	54 (2)	
		63	63 (2.5)	* 54mm & 63mm only
		100	100 (4)	** on application 100mm & 130mm
		125	125 (5)	
RBV	(black) mild steel with nickel plated, flat acrylic window	52	52 (2)	V

Gauge Configurations



- A bottom connection, direct mounting
- B bottom connection, back flange, surface mounting
- C bottom connection, front flange, surface mounting
- D back connection, direct mounting
- E back connection, back flange, surface mounting
- F back connection, wide front flange, (drilled) panel mounting
- U back connection, wide front flange, (un-drilled) panel mounting (yoke)
- V back connection, narrow front-ring, panel mounting (yoke)

Bourdon Tube Selection

System Code	Socket Material	Bourdon Tube Material
BB	brass	bronze tube
SS	316 stainless steel	316 stainless steel
MM	Monel 400	Monel 400

Capsule System Material Selection

SS	316 stainless steel	stainless steel
BB	brass	beryllium copper

Some materials may not be available for all gauge models. Please refer to individual gauge specification, or alternatively contact Rototherm sales

Thread Type & Size

Thread Type

0 = NPT
1 = BSP
2 = BSPT
3 = API

Thread Size

(size code = number 1/8" 's)
1 = 1/8"
2 = 1/4"
3 = 3/8"
4 = 1/2"

Case Material & Case Colour

Q = standard (see Case Type & Size)
C = nickel plated
P = brass plated
S = stainless steel case (where not standard)
S1 = 316 stainless steel case - when available as an option

The following colour options are only available on Models RBZ, RBX and RBJ

H = white	R = red
E = yellow	2 = gold
I = pink	3 = brown
Z = violet	4 = olive green
L = cyan	A = purple
N = green	5 = charcoal
O = orange	6 = dark brown
D = dark blue	B = black

X = non standard (describe under special conditions)

Standard Pressure Ranges

Below is a list of standard pressure ranges that are available. Gauges may be ordered with dual scales. Other units and non-standard ranges are available on request.

Imperial	Metric
3 to 15 Psi Rec	0.2 to 1 Bar
0 to 10" WG	0 to 25 mBar
0 to 16 " WG	0 to 40 mBar
0 to 24" WG	0 to 60 mBar
0 to 30" WG	0 to 75 mBar
0 to 40" WG	0 to 100 mBar
0 to 60" WG	0 to 150 mBar
0 to 100" WG	0 to 250 mBar
0 to 160" WG	0 to 400 mBar
0 to 200" WG	0 to 500 mBar
0 to 300" WG	0 to 700 mBar
0 to 400" WG	0 to 1000 mBar
0 to 30 in Hg VAC	0 to -1 Bar
30" Hg to 15 Psi	-1 to +1.5 Bar
30" Hg to 30 Psi	-1 to +3 Bar
30" Hg to 60 Psi	-1 to +5 Bar
30" Hg to 100 Psi	-1 to +9 Bar
0 to 10 Psi	0 to 600 mBar
0 to 15 Psi	0 to 1 Bar
0 to 25 Psi	0 to 1.6 Bar
0 to 30 Psi	0 to 2.5 Bar
0 to 60 Psi	0 to 4 Bar
0 to 100 Psi	0 to 6 Bar
	0 to 7 Bar
0 to 120 Psi	
0 to 150 Psi	
0 to 160 Psi	0 to 10 Bar
0 to 200 psi	0 to 16 Bar
0 to 300 Psi	0 to 20 Bar
0 to 400 Psi	0 to 25 Bar
0 to 600 Psi	0 to 40 Bar
0 to 800 Psi	0 to 60 Bar
0 to 1000 Psi	0 to 70 Bar
0 to 1600 Psi	0 to 100 Bar
0 to 2000 Psi	0 to 160 Bar
0 to 3000 Psi	0 to 250 Bar
0 to 4000 Psi	0 to 5000 Psi
0 to 6000 Psi	0 to 400 Bar
0 to 10000 Psi	0 to 600 Bar
0 to 15000 Psi	
0 to 16000 Psi	0 to 1000 Bar

Equivalent units available include:

inches H₂O, inches Hg, cm H₂O, cm Hg, kg/cm², kPa, MPa.

Some ranges may not be available for all gauge models. Please refer to individual gauge specification, or alternatively contact Rotothem sales.

Options

Both option digits to be filled in:

No options = NN

One option = selected digit then N

Two options = list from below alpha-numerically

N	No option
X	Special instruction
C	Customer drawing or specification
D	Defence Standard 66-2
E	Electrical Contact Head
G	Glycerine filled
H	0.5% accuracy
J	Red setting pointer
L	No aluminium parts
O	Oxygen cleaned
P	Perspex window
R	Restrictor
S	Internal stops
T	Drag pointer
V	Low magnetic permeability
W	Test Gauge (0.25% accuracy)
Y	Damped movement
Z	Wetted parts to NACE MR-01-75

Some options may not be available for all gauge models. Please refer to individual gauge specification, or alternatively contact Rotothem sales.

DigiGauge Standard Pressure Ranges

Bar Range	Resolution	PSI Range	Resolution	Accuracy*
-1 to +1 bar	1 mbar	-15 to +15 psi	0.01 psi	±0.25%fs
0 to 0.5 bar	1 mbar	0 to 7.5 psi	0.01 psi	±0.25%fs
0 to 1 bar	1 mbar	0 to 15 psi	0.01 psi	±0.2%fs
0 to 2 bar	1 mbar	0 to 30 psi	0.01 psi	±0.2%fs
0 to 5 bar	1 mbar	0 to 75 psi	0.01 psi	±0.2%fs
0 to 10 bar	10 mbar	0 to 150 psi	0.1 psi	±0.2%fs
0 to 20 bar	10 mbar	0 to 300 psi	0.1 psi	±0.2%fs
0 to 50 bar	10 mbar	0 to 750 psi	0.1 psi	±0.2%fs
0 to 100 bar	100 mbar	0 to 1500 psi	1 psi	±0.2%fs
0 to 200 bar	100 mbar	0 to 3000 psi	1 psi	±0.2%fs
0 to 300 bar	100 mbar	0 to 4500 psi	1 psi	±0.2%fs
0 to 400 bar	100 mbar	0 to 6000 psi	1 psi	±0.2%fs

*Note: Accuracy includes non linearity + hysteresis + repeatability

Above figures are for instruments operating at the calibration temperature of 20°C.

For temperature compensated instruments working outside this range please add ±0.01%fs/°C zero drift and ±0.01%fs/°C span drift, for uncompensated sensors add ±0.05%fs/°C zero drift and ±0.04%fs/°C span drift.