

FOR THE PERFECT PRESSURE.



PRESSURE GAUGE. YOUR DECISION GUIDANCE.

Model	Characteristics/feature	Area of application	Diameter in mm	Measuring range in bar	Process connection	Connection position	Material housing	Material process connection	Material measuring element and movement	Accuracy class	Scale	Ingress protection	Max. medium temperature	Ambient temperature
 Bourdon tube pressure gauge standard version	Inexpensive, economical, large variety	Pneumatics, heating and air-conditioning, medical engineering, potable water (copper alloy only, lead-free (Pb < 0.1%))	40 50 63 80 100 160	Between –1200 mbar and 600 bar	G 1/8 G 1/4 G 1/2	Rear centric, radial on bottom	Plastic Sheet steel	Copper alloy, lead-free (Pb < 0.1%)	Copper alloy, lead-free (Pb < 0.1%)	1,6 2,5	Single scale (bar), double scale (bar/psi)	IP33 IP41 IP42 IP44	60 °C	–20 °C to 60 °C
 Bourdon tube pressure gauge glycerine filling	Can be used for high dynamic pressure loads and vibrations, vibration-resistant, shock-resistant	Hydraulics, compressors, shipbuilding, mining industry	63 100	Between –1 bar and 1000 bar	G 1/4 G 1/2	Rear centric, rear excentric, radial on bottom	Plastic Hot-pressed brass Stainless steel	Copper alloy	Copper alloy Stainless steel	1,0 1,6 2,5	Single scale (bar), double scale (bar/psi)	IP65 IP66	60 °C	–20 °C to 60 °C
 Bourdon tube pressure gauge stainless steel	Economical, reliable, robust, highest load change and shock resistance. Safety design: with shatterproof partition wall	Machine building and general plant construction, chemical and petrochemical industries, oil and gas industry, power engineering, water and wastewater technology	40 50 63 100 160	Between –1 bar and 400 bar	G 1/4 G 1/2	Rear centric, rear excentric, radial on bottom	Stainless steel	Stainless steel	Stainless steel	1,0 1,6 2,5	Single scale (bar), double scale (bar/psi)	IP54 IP65 IP66	100 °C 200 °C	–40 °C to 60 °C
 Bourdon tube pressure gauge stainless steel glycerine filling	Applicable for high dynamic pressure loads and vibrations, highest load change and shock resistance. Safety design: with shatterproof partition wall	Machine building and general plant construction, chemical and petrochemical industries, oil and gas industry, power engineering, water and wastewater technology	63 100 160	Between –1 bar and 600 bar	G 1/4 G 1/2	Rear centric, rear excentric, radial on bottom	Stainless steel	Stainless steel	Stainless steel	1,0 1,6	Single scale (bar)	IP65 IP66	100 °C	–20 °C to 60 °C
 Bourdon tube pressure gauge robust version	Durable, robust	Machine building and plant construction, building services, refrigeration technology	100 160	Between –1 bar and 1000 bar	G 1/2	Rear excentric, radial on bottom	Stainless steel	Copper alloy	Copper alloy Stainless steel	1,0	Single scale (bar)	IP54	80 °C	–40 °C to 60 °C
 Bourdon tube pressure gauge welding technology version	Versatile use in welding technology	For equipment and apparatus for gas welding, cutting and allied autogenous processes, pressure and level indication for industrial gases such as oxygen or acetylene	63	Between 0 bar and 315 bar (oxygen) / between 0 bar and 40 bar (acetylene)	G 1/4	Radial on bottom	Steel	Copper alloy	Copper alloy	2,5	Single scale (bar)	IP33	60 °C	–40 °C to 60 °C
 Capsule pressure gauge	Extremely low measuring ranges (mbar), with zero point correction	Medical, vacuum, environmental, laboratory technology, for contents measurement and filter monitoring	63 100	Between –160 mbar and 400 mbar	G 1/4 G 1/2	Rear centric, rear excentric, radial on bottom	Steel Stainless steel	Copper alloy	Copper alloy	1,6	Single scale (bar)	IP32 IP33 IP54 IP55 IP65	60 °C 80 °C 100 °C	–20 °C to 60 °C
 Micrometre pressure gauge	Very high measurement accuracy	Precision measurement in laboratories, testing of industrial type pressure gauges	160	Between –1 bar and 400 bar	G 1/2	Radial on bottom	Stainless steel	Copper alloy	Copper alloy Stainless steel	0,6	Single scale (bar)	IP54	60 °C 80 °C	–20 °C to 60 °C
 Differential pressure gauge	Readability of plus, minus and differential pressure, two independent bourdon tube measuring systems	Heating, ventilation and air-conditioning	100	Between 0 bar and 10 bar	G 1/2	Two radial on bottom	Steel	Copper alloy	Copper alloy Stainless steel	1,6	Single scale (bar)	IP32 IP33	60 °C	–20 °C to 60 °C
 Bourdon tube pressure gauge with switch contacts	High reliability and lifetime, up to 4 switching contacts per device	Machine building and general plant construction, chemical and petrochemical industries, power plants, mining, onshore/offshore, environmental sector	100 160	Between –1 bar and 600 bar	G 1/2	Radial on bottom	Stainless steel	Copper alloy Stainless steel	Copper alloy Stainless steel	1,0 2,5	Single scale (bar)	IP54 IP65	80 °C 200 °C	–20 °C bis 60 °C
 Diaphragm pressure gauge	Robust design, multiple overload protection, compatible with switching contacts	Mining, environmental sector, mechanical and plant engineering, water and wastewater industry	100	Between –1 bar and 25 bar	G 1/2	Radial on bottom	Grey cast iron Stainless steel	Steel Stainless steel	Stainless steel	1,6	Single scale (bar)	IP54	100 °C	–20 °C to 60 °C

All information is intended as a decision support and is to be understood as non-binding guide values. The suitability test for use with alternative specifications is the responsibility of the user. For a selection not confirmed in writing, RIEGLER & Co. KG accepts no liability.

The respective approvals for the pressure gauges listed above can be found accordingly in the data sheet, which is available for download in the RIEGLER Online Shop. Other device variants are available on request. Please feel free to contact us.