



Stainless Steel Pressure Gauge

Description

Stainless Steel case pressure gauge with 4" diameter dial with units marked in psig and inches Hg for vacuum as appropriate. The gauge is supplied with 316 stainless steel bourdon tube.

The gauge is available dry but, with a special dampening agent, giving performance like a liquid-filled gauge. Pressure gauge comes with a 1½% accuracy.

Sizes and pipe connections

Pressure Gauge:	¼" NPT	
*Ball Valve	¼" NPT x ¼" NPT	*Valve for use w/syphon and pressure gauge. Not to be used as a stand-alone isolation valve.
Syphon:	¼" NPT x ¼" NPT	

Limiting conditions

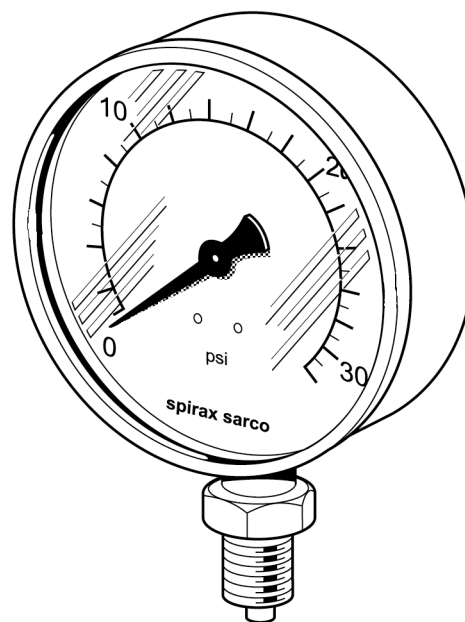
Maximum design conditions = full scale reading.

Maximum design temperature 400 °F (204 °C)

(Coil syphon must be fitted to achieve this)

Maximum service temperature, if the syphon tube is not fitted is 150°F (66 °C). On applications with a service temperature above 150°F (66 °C) syphon tube must be fitted.

The pressure gauge has a standard vent plug and should be used in an indoor dry environment. Gauges with vented plugs are not weatherproof or hermetically sealed.



Pressure ranges

Range	psi g
1	0 - 30
2	0 - 60
3	0 - 100
4	0 - 160
5	0 - 200
6	0 - 30/0 Hg
7	30" Hg - 15 psi g
8	30" Hg - 30 psi g
9	30" Hg - 60 psi g

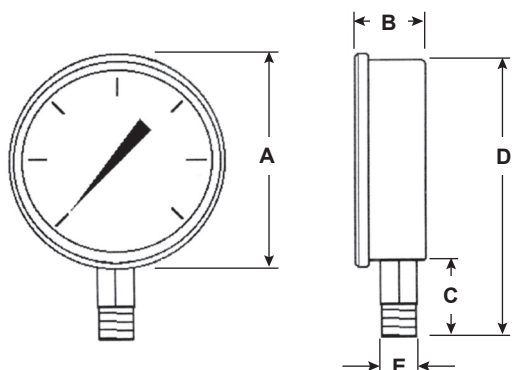
Materials

Gauge	Case	304 Stainless Steel
	Window	Polycarbonate
	Bourdon tube	316 Stainless Steel
Coil syphon		ASTM A-106 seamless steel/grade A
Ball valve		Bronze

Certification

A calibration certificate is available by special order at extra cost.

Dimensions/weights (approximate) in inches (mm) and lbs (kg)



A	B	C	D	Weight
4.2 (107)	1.5 (38.1)	1.6 (41)	5.48 (139)	.50 (0.23)

Installation

As with all instrumentation, the Spirax Sarco pressure gauge is a delicate measuring device and care has to be taken in its installation and use if it is to remain reliable.

It is recommended that all gauges are fitted with a ball valve to assist when maintenance is necessary. When used on steam or other hot gases, gauges must be protected from heat by the use of a syphon tube and ball valve. To protect live steam from entering the bourdon tube, a syphon filled with water should be installed between the gauge and the process line.

Care should be taken if the installation is exposed to frost as gauges can burst.

Tighten the gauge with care using a 22mm A/F spanner not by twisting the gauge case. Gauges should be selected so as not to exceed 75% of maximum scale reading during normal use.

Note: Ball valves should always be opened and closed slowly to avoid pressure shocks to the gauges.

Safety

Pressure

Ensure that any pressure is isolated upstream and downstream of the product and safely vented atmospheric pressure before attempting to maintain the product.

Temperature

Allow time for temperature to normalize after isolation to avoid the danger of burns and consider whether protective clothing (including safety glasses) is required.

Isolation

Consider whether closing isolating valves will put any other part of the system or personnel at risk. Dangers might include: isolation of vents, protective devices or alarms. Ensure isolation valves are turned on and off in a gradual way to avoid system shocks.