



## Pressure Gauge with Integral Restrictor

### Description

Pressure gauge with 100 mm diameter dial with units marked in bar and psi. The gauge is supplied with either:

- Ring type syphon tube and cock or a 'U' type syphon tube and cock.
- Bourdon tube gauge, constructed in accordance with DIN 16005.

Suitable for pump applications.

### Available pressure range

<b>Range 1</b>	0 - 1.6 bar	0 - 23 psi
<b>Range 2</b>	0 - 4 bar	0 - 53 psi
<b>Range 3</b>	0 - 6 bar	0 - 66 psi
<b>Range 4</b>	0 - 10 bar	0 - 145 psi
<b>Range 5</b>	0 - 16 bar	0 - 230 psi
<b>Range 6</b>	0 - 25 bar	0 - 360 psi

### Options

The range 1 to 6 is also available with an MPa scale

### Standards

The product fully complies with the requirements of the Pressure Equipment Directive (PED).

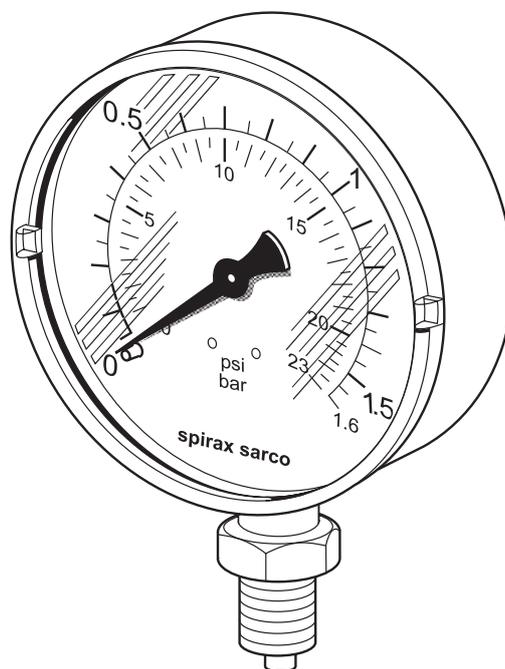
### Certification

A certificate of conformity is available as standard for this product. A calibration certificate is available by special order at extra cost.

**Note:** All certification/inspection requirements must be specified at the time of order placements.

### Sizes and pipe connections

<b>Pressure gauge</b>		3/8" BSP male	(BS 2779)
<b>Gauge cock</b>	Gauge end	3/8" BSP female	(BS 2779)
	Syphon end	3/8" BSP female parallel	(BS 21)
<b>Ring/'U' syphon</b>	Cock end	3/8" BSP male taper	(BS 21)
	Process end	3/8" male parallel	(BS 21)



## Pressure/temperature limits

Maximum design conditions	PN25
PMA Maximum allowable pressure	Full scale reading
TMA Maximum allowable temperature	217 °C

**Note:** Either a 'U' or a ring syphon must be fitted to achieve this.

Minimum allowable temperature	-40 °C		
PMO Maximum operating pressure	Range 1	1.6 bar	(23 psi)
	Range 2	4 bar	(53 psi)
	Range 3	6 bar	(66 psi)
	Range 4	10 bar	(145 psi)
	Range 5	16 bar	(230 psi)
	Range 6	25 bar	(360 psi)

**Please note:** For compressed air and steam services the maximum operating pressure for this product is 21 bar g.

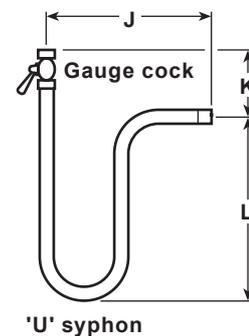
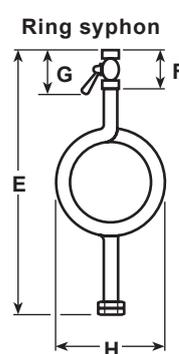
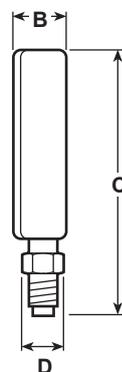
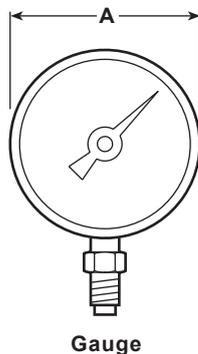
TMO Maximum operating temperature	200 °C
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## Materials

Part	Material
Gauge	Case Window Bourdon tube
Ring and 'U' syphon	Mild steel tube BS 1387 heavy grade
Gauge cock	Body Handle
	Pressed steel black finish Glass Cu Sh 8 (92% Cu 8% Zn) Brass Phenolic

## Dimensions/weights (approximate) in mm and kg

Gauge					Ring syphon						'U' syphon				
A	B	C	D	Weight	E	F	G	H	Weight Syphon	Weight Cock	J	K	L	Weight Syphon	Weight Cock
100	29	137	22 A/F	0.43	321	35	80	116	0.94	0.21	167.5	61.5	136.5	0.59	0.21



## Safety information, installation and maintenance

For full details see the Installation and Maintenance Instructions (IM-P027-02) supplied with the product.

### Installation note:

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 gauge cock to assist when calibration or maintenance is necessary. When used on steam or other hot gases, gauges must be protected from heat by the use of a 'U' syphon or ring syphon tube and gauge cock. The syphon pipe should be primed with water prior to fitting the gauge. Care should be taken if the installation is exposed to frost as gauges can burst.

### Disposal:

The product is recyclable. No ecological hazard is anticipated with the disposal of this product providing due care is taken.

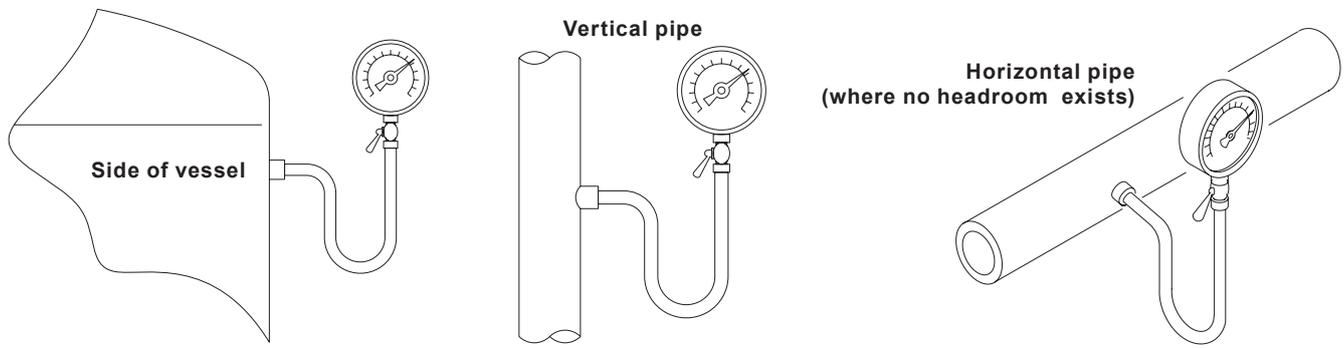
### How to order

**Example:** 1 off Spirax Sarco 3/8" pressure gauge with restrictor. Pressure range 6 (0 - 25 bar) and having screwed BSP connections.

### Spare parts

There are no spare parts available for Spirax Sarco pressure gauges.

### Typical uses of a 'U' syphon and gauge



### Typical uses of a ring syphon and gauge

