

# Small Pressure. Gauges - SS Internals



**MODEL : SPGS (Dry Case)**

**LFSPGS (Liquid Filled Case)**

## Features

- Designed to fulfill most industrial as well as commercial applications
  - Range : (-)1 to 400 kg/cm<sup>2</sup>
  - Bourdon in SS316
  - Accuracy ±2% FSD
  - Unit of measurement - kg/cm<sup>2</sup>, bar, psi
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- Small dial Pressure Gauges are developed for OEM applications in compressed gases, Lubricating circuits, air filter Regulators, Gas cylinders etc.



## Specifications

<b>Dial</b>	40mm / 50mm / 63mm in Aluminium, white background, black markings
<b>Case</b>	Pressed steel epoxy painted black / SS304
<b>Protection</b>	IP-68 for 50mm & 63mm, SS Case only (Not Applicable for 40mm SS Case & all Pressed Steel Cases)
<b>Bourdon</b>	SS316
<b>Socket</b>	SS316
<b>Movement</b>	SS304
<b>Range</b>	Refer table
<b>Accuracy</b>	±2% FSD
<b>Blow out disc</b>	Provided (on top) for 50mm & 63mm dials Not Applicable for 40mm Dial
<b>Temperature suitability</b>	Ambient (-)20°C to 60°C, Media 100°C
<b>Temperature Effect</b>	Within ±0.4% FSD/10°C, when temperature changes from reference temperature of 20°C (as per EN-837 standard)
<b>Optional</b>	Glycerine filled case (in SS case of 50mm & 63mm only) Built in snubber CE

**Note:** For availability ranges in different dial sizes, please refer table



## Range vs Dial Size

Range bar(g), kg/cm2(g)	System - SS		
	1-1/2"	2"	2-1/2"
	Dial	Dial	Dial
(-) 1 to 0 Vacuum	x	Yes	Yes
(-) 1 to (+)1.5	x	Yes	Yes
(-) 1 to (+)3	x	Yes	Yes
(-) 1 to (+)5	x	Yes	Yes
(-) 1 to (+)9	x	Yes	Yes
(-) 1 to (+)15	x	Yes	Yes
(-) 1 to (+)24	x	Yes	Yes
(-) 1 to (+)39	x	Yes	Yes
0 to 1	x	Yes	Yes
0 to 1.6	x	Yes	Yes
0 to 2	Yes	Yes	Yes
0 to 2.5	Yes	Yes	Yes
0 to 4	Yes	Yes	Yes
0 to 6	Yes	Yes	Yes
0 to 10	Yes	Yes	Yes
0 to 16	Yes	Yes	Yes
0 to 25	Yes	Yes	Yes
0 to 40	x	Yes	Yes
0 to 60	x	Yes	Yes
0 to 100	x	Yes	Yes
0 to 160	x	Yes	Yes
0 to 250	x	Yes	Yes
0 to 400	x	Yes	Yes

Yes = Range Available X = Range not available

The parameters mentioned here are the standard specifications / values generally used for most of the process applications. Any other specification not appearing here also can be provided as per customer requirement.

Under Technical Collaboration with M/s. Gauges Bourdon, France

## MODEL



**BASIC MODEL CODE**  
**SPGS** Dry Case  
**LFSPGS** Liquid Filled Case

**MOUNTING**  
**V** Bottom Entry, Local Mounting  
**C** Back Entry, Local Mounting  
**P** Back Entry, Flush Panel Mounting  
 (with front Flange having 3 holes)  
**B** Back Entry, Flush Panel Mounting  
 (with Bracket from back side\*\*)

**DIAL SIZE**  
**040** 40 mm    **063** 63 mm  
**050** 50 mm

**CASE**  
**PST** Pressed Steel  
**S4S** SS 304  
**S6S** SS 316

**BOURDON**  
**S6S** SS 316

**SOCKET**  
**S6S** SS 316

**MOVEMENT**  
**S4S** SS 304

**OPTION**  
**A16** Accuracy  $\pm 1.6\%$  FSD  
 (for 63mm dial only)  
**CEM** CE marking  
**DC2** Silicone Oil filled Case\*  
**DUS** Dual Scale  
**GLY** Glycerine filled Case\*  
**OXY** O2 Cleaning  
**L** Nil  
**ACC** Accessory  
**XXX** Other

**UNIT**  
**KSC** kg/cm<sup>2</sup>(g)  
**BAR** bar(g)  
**PSI** psi(g)  
**KPA** kPa(g)  
**MPA** MPa(g)  
**MBR** mbar(g)  
**MMW** mm WC(g)  
**CMW** cm WC(g)  
**MWC** m WC(g)  
**INW** inch WC(g)  
**MMH** mm Hg(g)  
**CMH** cm Hg(g)  
**INH** inch Hg(g)  
**XXX** Other (Please specify)

CONNECTION							
Conn	Code	Size	Code	Type	Code	Male/ Female	Code
Thread	T	1/8"	<b>04</b>	NPS	<b>NS</b>	Male	<b>M</b>
		1/4"	<b>06</b>	NPT	<b>NT</b>	Female	<b>F</b>
		3/8"	<b>10</b>	BSP	<b>BP</b>		
		1/2"	<b>15</b>	BSPT	<b>BT</b>		
				JIS-PF	<b>PF</b>		
				JIS-PT	<b>PT</b>		
				Gas	<b>GS</b>		
		R	<b>RR</b>				
		Rp	<b>RP</b>				

**RANGE**  
 Please select from Table

\* Filling in SS case of 50mm & 63mm only  
 \*\* Mounting "B" available in 63mm Dial only

e.g. For 1/4"NPT(M), Code: **T06NTM**

**Note:** 40mm Dial, Standard Connection 1/8" Male threads only  
 50 / 63mm Dial, Standard Connection 1/8" or 1/4" Male threads only  
 Any other Connection shall be provided through Adaptors

**Sample Model Code: SPGS-V-050-S4S-S6S-S6S-S4S-T06NTM-(0-250)-PSI-L**