

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/cm²
 - Bourdon in SS316
 - Accuracy ±2% FSD
 - Unit of measurement - kg/cm², 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

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

Ordering Information

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/cm²(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"	04	NPS	NS	Male	M
		1/4"	06	NPT	NT	Female	F
		3/8"	10	BSP	BP		
		1/2"	15	BSPT	BT		
				JIS-PF	PF		
				JIS-PT	PT		
				Gas	GS		
				R	RR		
		Rp	RP				

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**