

## 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/cm <sup>2</sup> (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

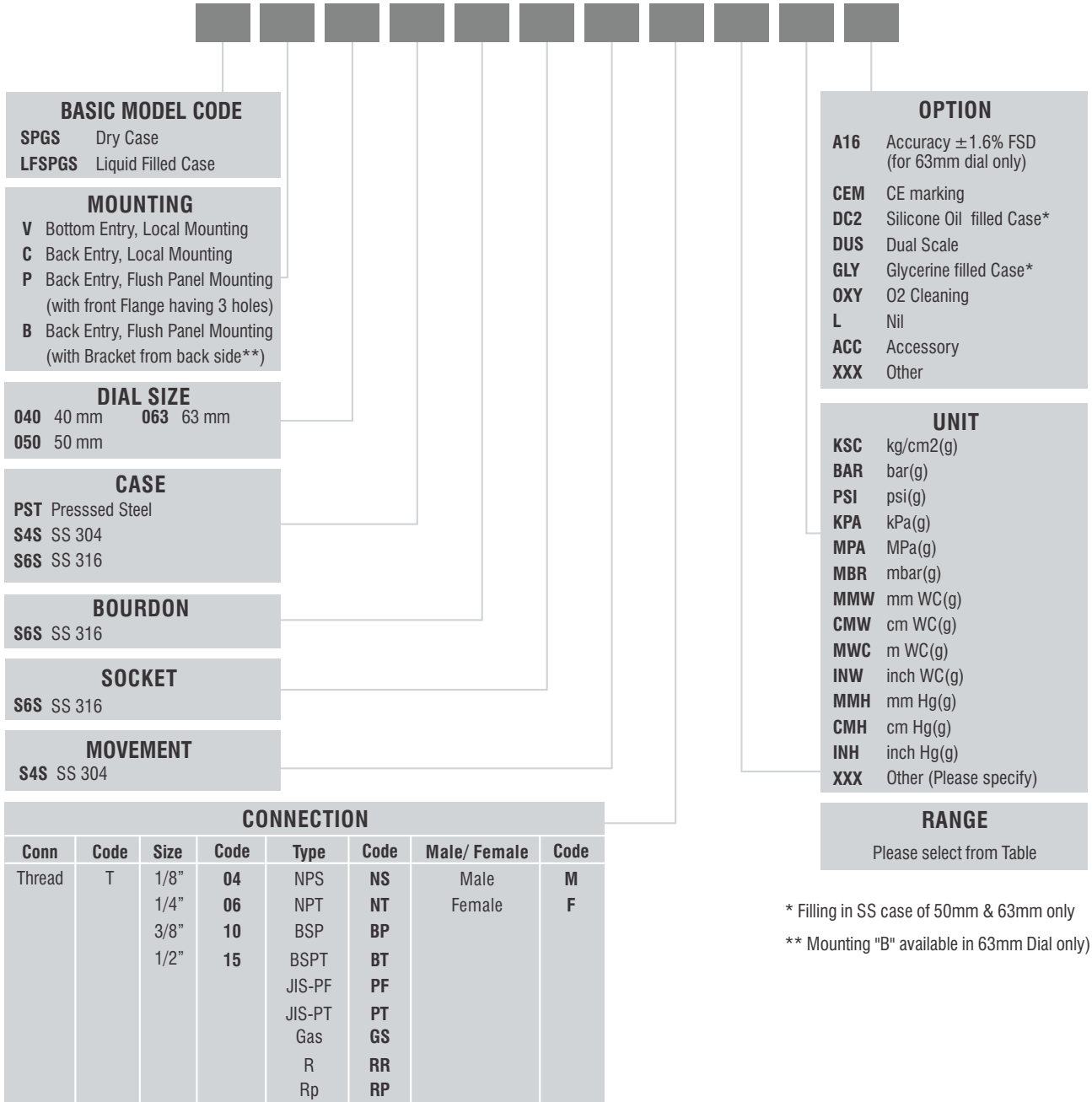
Yes = Range Available X = Range not available

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



\* 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**

# Hygiene Gauges -100mm & 150mm Dial

- MODEL : HY10** (100mm Dial, Dry Case)  
**LFHY10** (100mm Dial, Liquid Filled Case)  
**HY15** (150mm Dial, Dry Case)  
**LFHY15** (150mm Dial, Liquid Filled Case)

## Features

- Designed for pressure measurement in Sanitary application
- Designed compliance to International Dairy Federation
- Compliance to latest EN-837 standard
- Range : Refer table
- Accuracy  $\pm 1\%$  FSD (Standard),  $\pm 0.5\%$  FSD (on request)
- Unit of measurement - kg/cm<sup>2</sup>, bar, psi, kPa
- Micrometer pointer

Hygiene Gauges designed for pressure measurement in Sanitary application in accordance with International Dairy Federation (IDF) requirements in pharmaceutical, dairy, biotechnology, food & beverages industries.



## Specifications

<b>Ref. Standard</b>	EN-837
<b>Dial</b>	100 mm / 150 mm in Aluminium, white background, black markings
<b>Case</b>	SS304 / SS316 with bayonet bezel
<b>Protection</b>	IP-68 (IS:13947 part I / IEC:60529)
<b>Window</b>	Safety glass (Shatter proof / Toughened glass)
<b>Diaphragm</b>	SS316L welded
<b>Wetted Parts</b>	SS316L
<b>Movement</b>	SS304 / SS316
<b>Range</b>	Refer table
<b>Connection</b>	Triclover / SMS union / IDF fitting
<b>Filling Fluid</b>	Silicon oil / Glycerine / Food grade oil
<b>Accuracy</b>	$\pm 1\%$ FSD (0.5% FSD on request)
<b>Over range</b>	As per EN 837
<b>Zero adjustment</b>	Micrometer Pointer
<b>Blow out disc</b>	Provided (on top)
<b>Temperature suitability</b>	Ambient (-)4°C to 60°C, Media 150°C
<b>Temperature Effect</b>	Within $\pm 0.4\%$ FSD/10°C, when temperature changes from reference temperature of 20°C (as per EN-837 standard)
<b>Optional</b>	NACE compliance External Knob for zero setting Glycerine filled case Triclover Clamp with Gasket SMS Male Coupling with Gasket IDF Male Coupling with Gasket CE Atex

## Ranges

Gauge	bar, kg/cm <sup>2</sup>	Least count
Compound	(-)1 to 3*	0.10
	(-)1 to 5	0.10
	(-)1 to 9	0.20
	(-)1 to 15	0.50
	(-)1 to 24	0.50
Pressure	(-)1 to 39	1.0
	0 to 4*	0.10
	0 to 6	0.10
	0 to 10	0.20
	0 to 16	0.50
	0 to 25	0.50
	0 to 40	1.0

\* Range 0 to 4 and (-)1 to 3 are available in 2" connection only

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