

Solid Front - Bourdon Sensing Pr. Gauges



MODEL : SFBSPG (Dry Case)
LSBSPG (Liquid Filled Case)

Features

- Safety pattern
- All SS construction
- These Pressure Gauges are well suited for the Process Industries such as Chemicals, Petro-chemicals, Energy or Gas industry, Food processing, Nuclear etc.
- These Gauges have been provided with a solid baffle wall and blow out back which immediately releases the pressure in the enclosure in the event of an accidental rupture of the sensing element.



Specifications

Ref. standard	EN 837
Dial	100 mm /150 mm, Aluminium, white background, black markings
Case	SS304 / SS316 with bayonet bezel
Protection	Weatherproof to IP-68 (IS:13947 part I / IEC:60529)
Window	Safety glass (Shatter proof / Toughened glass)
Bourdon	SS316, SS316 Ti, SS316L, Monel
Socket	22 mm Square in SS 316, SS316L, SS316 Ti, Monel
Movement	SS304, SS316
Range	As per EN 837 (refer table) minimum span 0.6 kg/cm ² , maximum 1600 kg/cm ² g
Connection	1/2" NPT (M) as standard* (other optional**)
Accuracy	±1% FSD (0.5% on request)
Over range	As per EN 837
Zero adjustment	Micrometer Pointer
Blow out disc	Provided at back of Case
Temperature suitability	Ambient (-)20°C to 60°C, Media 200°C
Temperature Effect	Within ±0.4% FSD/10°C, when temperature changes from reference temperature of 20°C (as per EN-837 standard)
Optional	NACE compliance Liquid filled case External Knob for zero setting IBR Certification Vacuum Protection CE Atex

* For ranges above 1000 bar, connection shall be 1/2"BSP(M) with Bottom Entry only

** Autoclave connection available on request

Ranges

Gauge	bar, kg/cm ²	Least count	
Vacuum	(-)1 to 0	0.02	
	-760 to 0mmHg	20	
Compound (‘C’ shaped Bourdon)	(-)1 to 0.6	0.05	
	(-)1 to 1.5	0.05	
	(-)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	
	(-)1 to 39	1.0	
	Pressure Gauge (‘C’ shaped Bourdon)	0 to 0.6	0.01
		0 to 1	0.02
0 to 1.6		0.05	
0 to 2.5		0.05	
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	
Pressure Gauge Coil type Bourdon	0 to 60	1.0	
	0 to 100	2.0	
	0 to 160	5.0	
	0 to 250	5.0	
	0 to 400	10.0	
	0 to 600	10.0	
	0 to 800	20.0	
	0 to 1000	20.0	
	0 to 1600	50.0	
	0 to 2000	50.0	
0 to 2500	50.0		

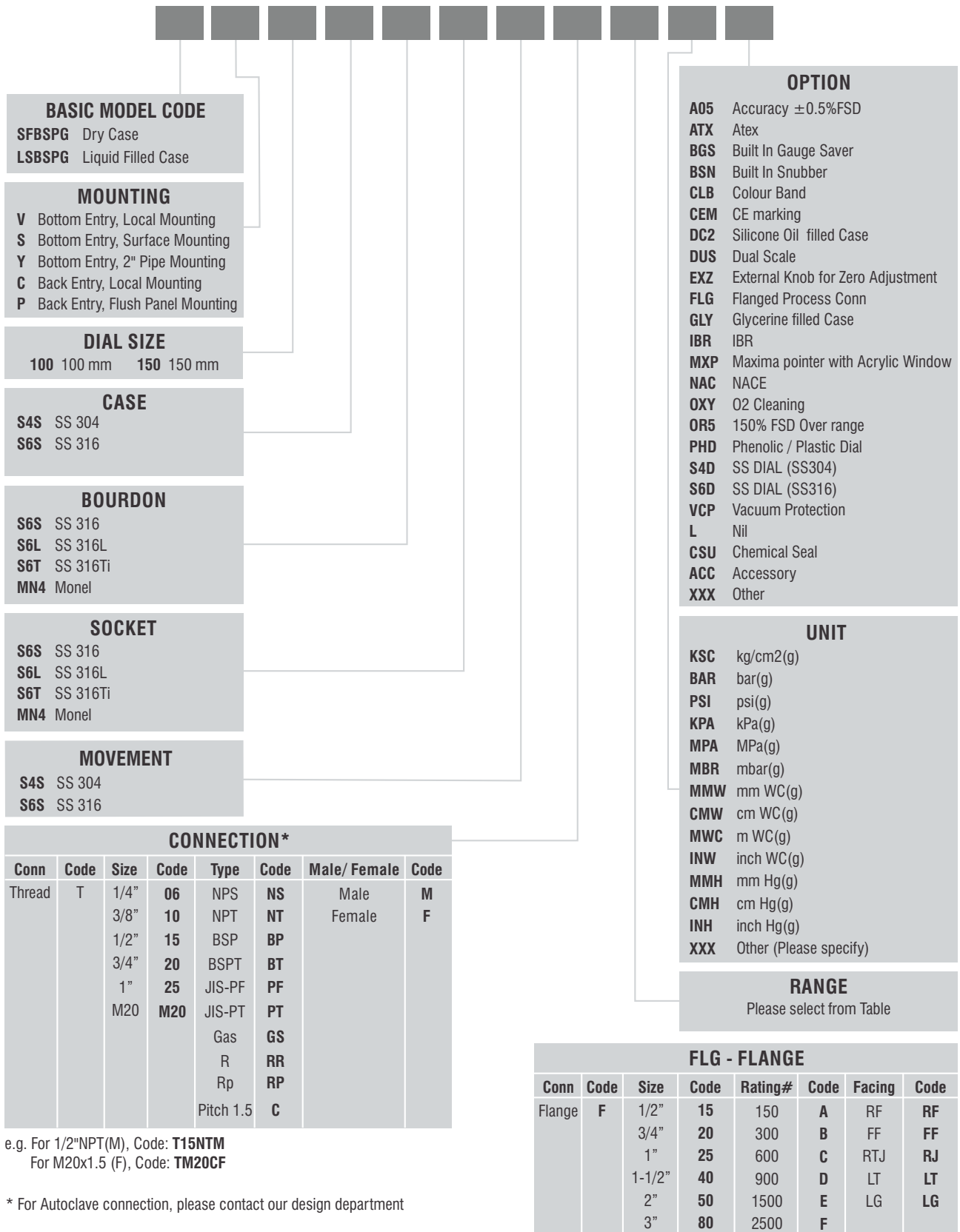
For range other than above please contact our design dept.

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. For higher temperature services above 100°C, we recommend to provide suitable cooling arrangement (Syphon, Cooling Tower, Impulse Tubing, Diaphragm Seal etc.)

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

Ordering Information

MODEL



BASIC MODEL CODE
SFBSPG Dry Case
LSBSPG Liquid Filled Case

MOUNTING
V Bottom Entry, Local Mounting
S Bottom Entry, Surface Mounting
Y Bottom Entry, 2" Pipe Mounting
C Back Entry, Local Mounting
P Back Entry, Flush Panel Mounting

DIAL SIZE
100 100 mm **150** 150 mm

CASE
S4S SS 304
S6S SS 316

BOURDON
S6S SS 316
S6L SS 316L
S6T SS 316Ti
MN4 Monel

SOCKET
S6S SS 316
S6L SS 316L
S6T SS 316Ti
MN4 Monel

MOVEMENT
S4S SS 304
S6S SS 316

CONNECTION*

Conn	Code	Size	Code	Type	Code	Male/ Female	Code
Thread	T	1/4"	06	NPS	NS	Male	M
		3/8"	10	NPT	NT	Female	
	M20	M20	1/2"	15	BSP	BP	
			3/4"	20	BSPT	BT	
			1"	25	JIS-PF	PF	
					JIS-PT	PT	
					Gas	GS	
					R	RR	
		Rp	RP				
		Pitch 1.5	C				

e.g. For 1/2"NPT(M), Code: **T15NTM**
 For M20x1.5 (F), Code: **TM20CF**

* For Autoclave connection, please contact our design department

OPTION

A05 Accuracy $\pm 0.5\%$ FSD
ATX Atex
BGS Built In Gauge Saver
BSN Built In Snubber
CLB Colour Band
CEM CE marking
DC2 Silicone Oil filled Case
DUS Dual Scale
EXZ External Knob for Zero Adjustment
FLG Flanged Process Conn
GLY Glycerine filled Case
IBR IBR
MXP Maxima pointer with Acrylic Window
NAC NACE
OXY O2 Cleaning
OR5 150% FSD Over range
PHD Phenolic / Plastic Dial
S4D SS DIAL (SS304)
S6D SS DIAL (SS316)
VCP Vacuum Protection
L Nil
CSU Chemical Seal
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)

RANGE
 Please select from Table

FLG - FLANGE

Conn	Code	Size	Code	Rating#	Code	Facing	Code
Flange	F	1/2"	15	150	A	RF	RF
		3/4"	20	300	B	FF	FF
		1"	25	600	C	RTJ	RJ
		1-1/2"	40	900	D	LT	LT
		2"	50	1500	E	LG	LG
		3"	80	2500	F		

e.g. For 40 NB 300# RF flange, Model Code: **F40BRF**

Sample Model Code: SFBSPG-V-150-S4S-S6S-S6S-S4S-T15NTM-(0-10)-BAR-OXY