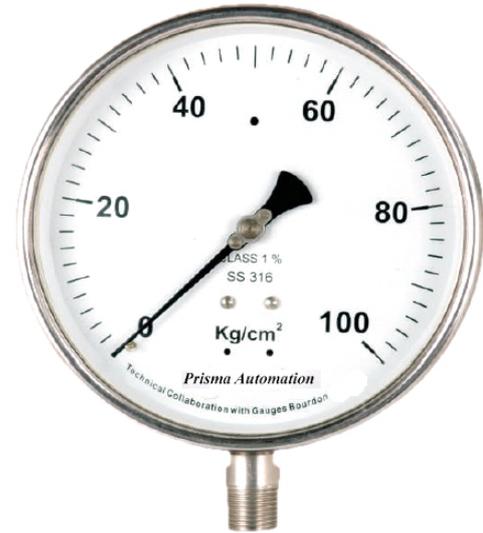


Bourdon Sensing Pressure Gauges

MODEL : BSPG

Features

- Compliance to latest EN-837 standard
 - Range : (-) 1 to 1600 kg/cm²
 - Bourdon in SS316 Ti as standard providing better mechanical properties guaranteeing repeatability and accuracy
 - Accuracy $\pm 1\%$ FSD (Standard), $\pm 0.5\%$ FSD on request
 - Unit of measurement - kg/cm², bar, PSIG, KPa, mbar
-
- Pressure Gauges intended for Process Industries such as Chemicals, Petro-chemicals, Energy or Gas industry, Food processing, Nuclear etc.
 - These pressure gauges have been designed to satisfy requirements to operate in aggressive environment.



Specifications

Ref. Standard	EN-837
Dial	100 mm / 150 mm in Aluminium, white background, black markings
Bourdon	IP-67 (IS :13947 Part I)
Socket	Phosphor Bronze, SS316 Ti / SS316L, Monel 22mm Square in brass, SS316, SS316 Ti / SS316L, Monel
Movement	Brass, SS304, SS316
Range	As EN 837 (refer table 1) minimum span 0.4 kg/cm ² , maximum 1600 kg/cm ²
Connection	1/2" NPT (M) as standard (other optional)
Accuracy	$\pm 1\%$ FSD (0.5% on request)
Overrange	130% FSD (other on request)
Suitability	(-) 20°C to 80°C (service temperature)
Zero adjustment	Micrometer pointer (internal)
Blow out disc	Provided (on top)
Optional	IBR certification Maxima pointer NACE compliance External zero setting Integral Dampner Swivel connection to facilitate rotation and in turn positioning of pressure gauge
Note	Non ferrous system is recommended up to 40 kg/cm ² g

System	Bourdon	Socket	Movement
PB	Ph. Bronze	Brass	Brass
SS	SS316	SS316	SS304
Monel	Monel	Monel	SS304

Table 1

Gauge	System	Bar, kg/cm ²	Least count
Vacuum	PB, SS	(-)1 to 0	0.02
Compound	PB, SS	(-)1 to 0.6	0.05
	PB, SS	(-)1 to 1.5	0.05
	PB, SS	(-)1 to 3	0.10
	PB, SS	(-) 1 to 5	0.10
	PB, SS	(-)1 to 9	0.20
	PB, SS	(-)1 to 15	0.50
	PB, SS	(-)1 to 24	0.50
Pressure Gauge ('C' shaped Bourdon)	PB, SS	(-)1 to 39	1.0
	PB, SS	0 to 0.4	0.01
	PB, SS	0 to 0.6	0.01
	PB, SS	0 to 1	0.02
	PB, SS	0 to 1.6	0.05
	PB, SS	0 to 2.5	0.05
	PB, SS	0 to 4	0.10
	PB, SS	0 to 6	0.10
	PB, SS	0 to 10	0.20
	PB, SS	0 to 16	0.50
Pressure Gauge (SS)	PB,SS	0 to 25	0.50
	SS	0 to 40	1.0
	SS	0 to 60	1.0
	SS	0 to 100	2.0
	SS	0 to 160	5.0
	SS	0 to 250	5.0
	SS	0 to 400	10.0
Coil type Bourdon	SS	0 to 600	10.0
	SS	0 to 800	20.0
	SS	0 to 1000	20.0
	SS	0 to 1600	50.0

For range other than above please contact our design dept.

Ordering Information

MODEL : BSPG



MOUNTING

- V Bottom Entry, Local Mounting
- C Back Entry, Local Mounting
- S Bottom Entry, Surface Mounting
- P Back Entry, Flush Panel Mounting
- B Back Entry, Surface Mounting

DIAL

10 - 100 mm 15 - 150 mm

CASE

- PH Phenol*
- AL Die-cast Aluminium
- S4 Ss304
- S6 SS316

BOURDON/SOCKET

- P Phosphor Bronze / Brass
- S SS316 / SS316
- L SS316L / SS316L
- M Monel / Monel
- T SS316Ti/SS316Ti

MOVEMENT

- 2 - Brass
- 4 - SS304
- 6 - SS316

CONNECTION

SIZE	TYPE	MALE / FEMALE	METRIC THREADS
6 1/4"	NT NPT	M Male	18 M - M 18 x 1.5
10 3/8"	BP BSP	F Female	20 M - M 20 x 1.5
15 1/2"	BT BSPT		24 M - M 24 x 1.5
20 3/4"	PF PF		27 M - M 27 x 2
25 1"	GS Gas		33 M - M 33 x 2
32 1.1/4"	NS NPSM		XX - Any other
40 1.1/2"			

OPTION

- A +/- 0.5% Accuracy
- C Colour band
- CE CE Certificate
- D Dual Scale
- E External Zero reset
(for Al, S4 and S6 case)
- F Flanged process connection **
- I IBR
- L Nil
- M Maxima Pointer
- N NACE-MR-01-75
- O O₂ Cleaning
- R 150% over range
- S Integral Dampner
- U Chemical Seal Unit-Refer
Catalogue CSU
- X Accessory - Refer
Catalogue ACC

UNIT

- A kg/cm² (g)
- B Bar (g)
- C Psig
- D KPa
- E mmHg
- F Pl. specify

RANGE

Refer Table 1

F - FLANGED PROCESS CONNECTION **

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

** For Flanged Process Connection refer the table (mentioned separately)