

Diaphragm Sensing Pressure Gauges

GAUGES BOURDON

FRANCE

Model : **DSPG** (Dry Case) **LFDSPG** (Liquid Filled Case)
SFDSPG (Solid Front, Dry Case) **LSDSPG** (Liquid filled, Solid Front Case)

Features

- Compliance to latest EN-837 standard
- Range : (-)10000 to (+)10000 mmWC
- All SS internals
- Special design with built in Gauges saver also available



Specifications

Ref. Standard	EN-837
Dial	100 mm / 150 mm in Aluminium, white background, black markings
Case	SS304 / SS316 with bayonet bezel
Protection	IP-68 (IS:13947 part 1 / IEC:60529)
Window	Safety glass (Shatter proof / Toughened glass)
Top Chamber	SS304 / SS316
Diaphragm	SS316, PTFE lined SS316 (other material optional)
Bottom flange	SS304 / SS316 / SS316 + PTFE Block / PTFE lined SS316 (other material optional)
Connection	1/2" NPT (M) or flanged (specify size & rating)
Range	Refer table
Accuracy	±2% FSD (1.6% FSD on request)
Over range	As per EN 837
Zero adjustment	Micrometer pointer
Blow out disc	Provided
Temperature suitability	Ambient (-)20°C to 60°C, Media 100°C
Temperature Effect	Within ±0.8% FSD/10°C, when temperature changes from reference temperature of 20°C (as per EN-837 standard)
Optional	<ul style="list-style-type: none"> • Flushing connection on the bottom chamber to facilitate cleaning • Liquid Filled Case (Minium Span of Range 400mmWC) • Solid Front Case • Special Construction to withstand high design pressure (Built in Gauge Saver) • Built in Snubber • External Knob for zero setting • CE

Ranges

0-250 mm WC	(-)250 to 0 mm WC
0-400 mm WC	(-)400 to 0 mm WC
0-600 mm WC	(-)600 to 0 mm WC
0-1000 mm WC	(-)1000 to 0 mm WC
0-1600 mm WC	(-)1600 to 0 mm WC
0-2500 mm WC	(-)2500 to 0 mm WC
0-4000 mm WC	(-)4000 to 0 mm WC
0-6000 mm WC	(-)6000 to 0 mm WC
0-1.0 bar or 0-10000 mm WC	(-)10000 to 0 mmWC

Special combination for compound ranges available, within the above span



Note: PTFE block / moulded construction available in flanged connection only.

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Ordering Information

MODEL

BASIC MODEL CODE

DSPG Dry Case
LFDSPG Liquid Filled Case
SFDSPG Solid Front, Dry Case
LSDSPG Liquid filled, Solid Front Case

MOUNTING

V Bottom Entry, Local Mounting
S Bottom Entry, Surface Mounting
Y Bottom Entry, 2" Pipe Mounting

DIAL SIZE

10 100 mm **15** 150 mm

CASE

S4S SS 304
S6S SS 316

MOVEMENT

S4S SS 304
S6S SS 316

TOP CHAMBER

S4S SS 304
S6S SS 316
S6L SS 316L

DIAPHRAGM

S6S SS 316 **TTM** Titanium
S6L SS 316L **TAN** Tantalum
S6P SS 316+PTFE **N20** Nickel
6LP SS 316L+PTFE **MN4** Monel
HCB Hastelloy-B **600** Inconel 600
HCC Hastelloy-C **625** Inconel 625

BOTTOM CHAMBER

S6S SS 316 **TTM** Titanium
S6L SS 316L **N20** Nickel
S6P SS 316+PTFE **MN4** Monel
6LP SS 316L+PTFE **600** Inconel 600
HCB Hastelloy-B **625** Inconel 625
HCC Hastelloy-C

OPTION

BGS Built In Gauge Saver
BOB Blow out disc at back
BSN Built In Snubber
CLB Colour Band
CEM CE marking
DC2 Silicone Oil filled Case
DUS Dual Scale
EXZ External Knob for Zero Adjustment
GLY Glycerine filled Case
NAC NACE
OXY O2 Cleaning
VCP Vac protection
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)

RANGE

Please select from Table

CONNECTION - THREADED

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

CONNECTION - FLANGED

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**

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

Sample Model Code: LFDSPG-V-150-S4S-S4S-S4S-S6L-S6L-T15NTM-(0-2500)-MMW-GLY