

Diaphragm Sensing Pressure Gauges

MODEL : DSPG (Dry Case)

LFDSPG (Liquid Filled Case)

SF DSPG (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 / 250 mm in Aluminium, white background, black markings
Case	SS304 / SS316 with bayonet bezel
Protection	IP-68 (IS:13947 part I / IEC:60529)
Window	Safety glass (Shatter proof / Toughened glass)
Movement	SS304 / SS316
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 • Atex

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



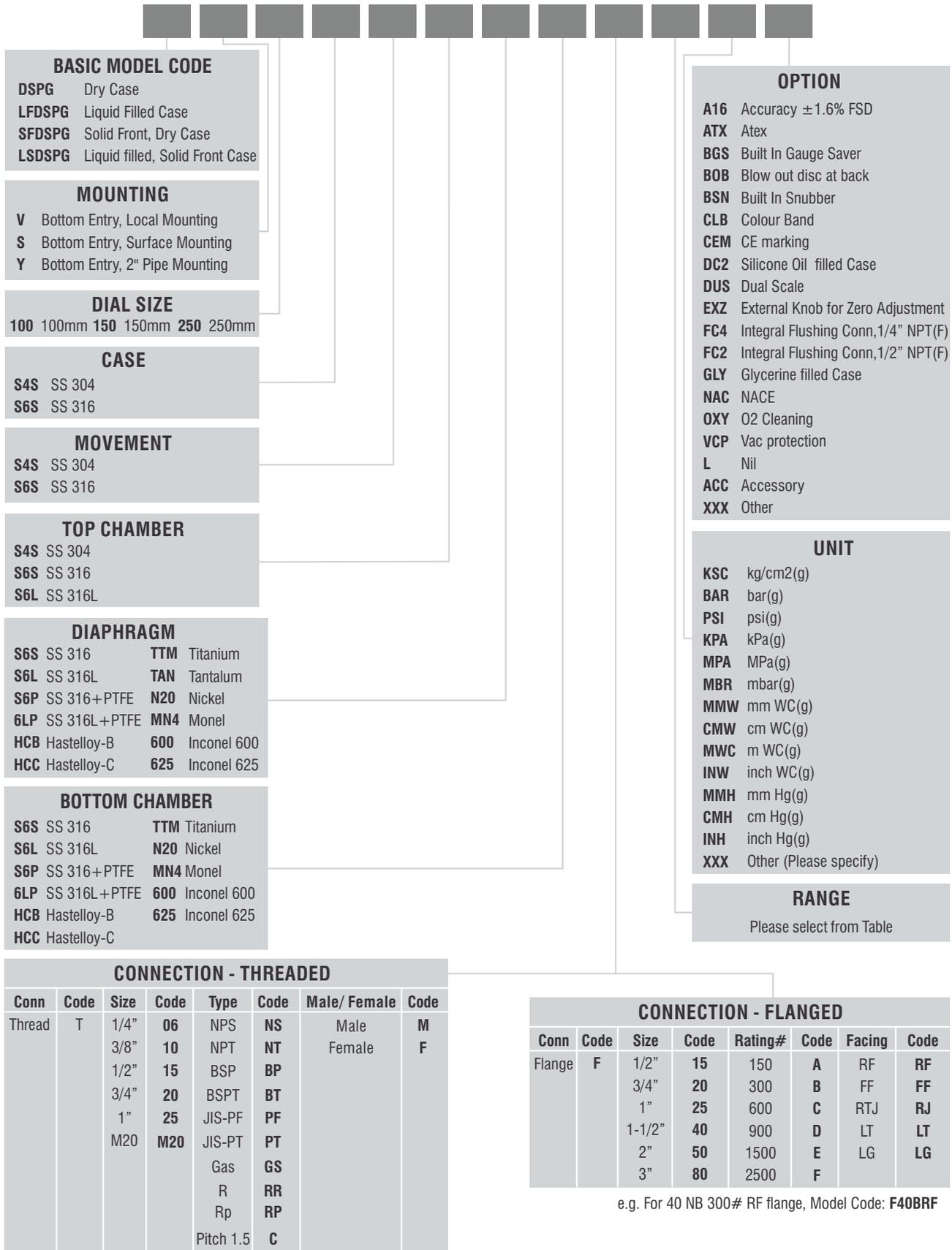
Note: PTFE block / moulded construction available in flanged connection only.

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 etc.)

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

Ordering Information

MODEL



BASIC MODEL CODE

- DSPG** Dry Case
- LFDSPG** Liquid Filled Case
- SF DSPG** Solid Front, Dry Case
- LS DSPG** Liquid filled, Solid Front Case

MOUNTING

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

DIAL SIZE

- 100** 100mm **150** 150mm **250** 250mm

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

- A16** Accuracy $\pm 1.6\%$ FSD
- ATX** Atex
- 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
- FC4** Integral Flushing Conn, 1/4" NPT(F)
- FC2** Integral Flushing Conn, 1/2" NPT(F)
- 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)
- MMB** 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