

DIAPHRAGM SEAL PRESSURE GAUGES



The fitting of a diaphragm seal unit to a pressure gauge is recommended where the medium to be measured is highly viscous or contains suspended solids or is potentially corrosive to the Bourdon Tube.

Seal units are normally connected directly to the gauge, but connection may be made by flexible capillary, which makes them ideal for remote pressure indication.

Pressure is transmitted from the diaphragm seal unit to the bourdon tube by a suitable filling medium, the selection of which will ensure compatibility with the process and process temperature.

SPECIFICATION

Case	Black DMC safety pattern case. Stainless steel safety pattern case. Weatherproofed to IP65
Pressure Element	Diaphragm, stainless steel
Diaphragm Protection	PTFE, Tantalum, Monel 400, Hastelloy "C", silver, gold
Pressure Ranges	Standard Models -1 Bar (30" hg vacuum) to 40 Bar (600 psi) High Range Models Up to 1000 Bar (15000 psi)
Connection	Screwed male, female or flanged
Window	Safety glass as standard or perspex if required.
Dial	Aluminium alloy, white enamelled with black scale marking
Pointer	Aluminium, black finish, micro adjust for on site adjustment
Movement	Stainless steel
Accuracy	0.5% of scale to ANSI B 40.1
Safety Features	DMC cases - integral baffle and blow-out disc as standard or blow-out back if required Stainless steel cases - blow-out back
General Options	316 stainless steel top flange & bolts for corrosive environments Clean out ring or flushing connection Built in overrange protection Dampened movements for use on pulsation

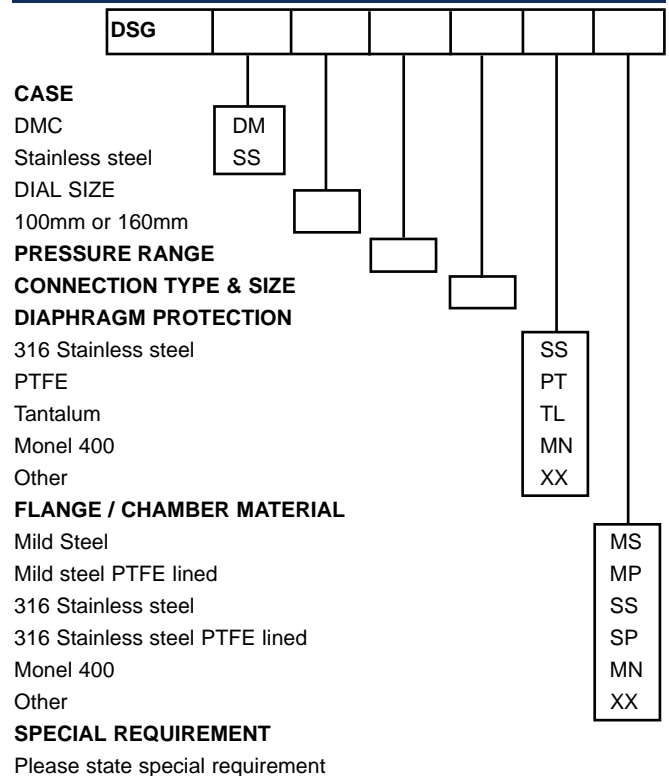
CHAMBER MATERIALS AVAILABLE

Mild Steel	316 Stainless steel
Monel 400	Hastelloy "C"
Nickel plated mild steel	PTFE spray coated mild steel
PTFE lined mild steel	PTFE spray coated stainless steel
PTFE lined stainless steel	

FLANGE / CONNECTION TYPES

- Type 1** Screwed female 3/8", 1/2" BSP or NPT
- Type 2** Screwed male 3/8", 1/2", 1" BSP or NPT
- Type 3** Oversize type flanged 2", 2.5" & 3" NB BS tables 10, 4504 ANSI 150 & 300 DIN
- Type 4** Extended type flanged 1" gap 1/2", 3/4", 1" & 1.5" NB BS tables 10, 4504 ANSI 150 & 300 DIN
Machined from solid
- Type 5** Screwed 1/2" BSP or NPT, Flanged to customers requirements. maximum immersion length under flange 120mm.
- Type 6** Extended flange 3.5" gap, 1/2", 3/4", 1" & 1.5" NB 10, 4504 ANSI 150 & 300 DIN
Machined from solid
- Type 7** Screwed 1/2" or 3/4" BSP or NPT. Immersion length to customers requirements.

DIAPHRAGM SEAL ORDER CODE



Rototherm

instrumentation and control

British Rototherm Co. Ltd.,
Kenfig Industrial Estate, Margam,
Port Talbot, West Glamorgan,
SA13 2PW, United Kingdom
Tel: 01656 740551 Fax: 01656 745915
E-mail: rototherm@rototherm.co.uk
Web site: www.rototherm.co.uk



BS EN
ISO 9001
Registration
no: FM11958