

# SCHAFFER DIAPHRAGM SEAL GAUGES



This type of gauge is designed for measuring the pressure or vacuum of substances which should not be handled by bourdon tube instruments. They are ideal for some corrosive products or liquids containing suspended solids. The measuring element is a metallic diaphragm, connected from the top surface by a rod with a ball joint to an adjustable movement.

These gauges should not be used on pressures over 25 bar or on pulsations - for these applications the diaphragm seal gauge should be used.

## SPECIFICATION

<b>Case</b>	Black DMC safety pattern case. Stainless steel safety pattern case. Weatherproofed to IP65
<b>Pressure Element</b>	Diaphragm, 316 stainless steel for vacuum or pressures up to 2.5 bar. EN56D steel for pressures 0-4 bar up to 25 bar.
<b>Diaphragm Protection</b>	Stainless steel (4 to 25 bar) PTFE, Tantalum, Monel 400, Hastelloy "C", silver
<b>Pressure Ranges</b>	Standard Models 0 to 1 bar vacuum or pressure, 0.6, 2.5, 4, 6, 10, 16 or 25 bar. Low range model 0 to 40, 60, 100, 160, 250 or 400 mbar pressure or vacuum
<b>Connection Window</b>	Screwed male, female or flanged Plain glass as standard or safety glass if required.
<b>Dial</b>	Aluminium alloy, white enamelled with black scale marking
<b>Pointer Movement</b>	Aluminium, black finish Stainless steel
<b>Accuracy</b>	1.5% of FSD to BS EN837-3
<b>Safety Features</b>	DMC cases - integral baffle and blow-out disc as standard or blow-out back if required Stainless steel cases - blow-out back

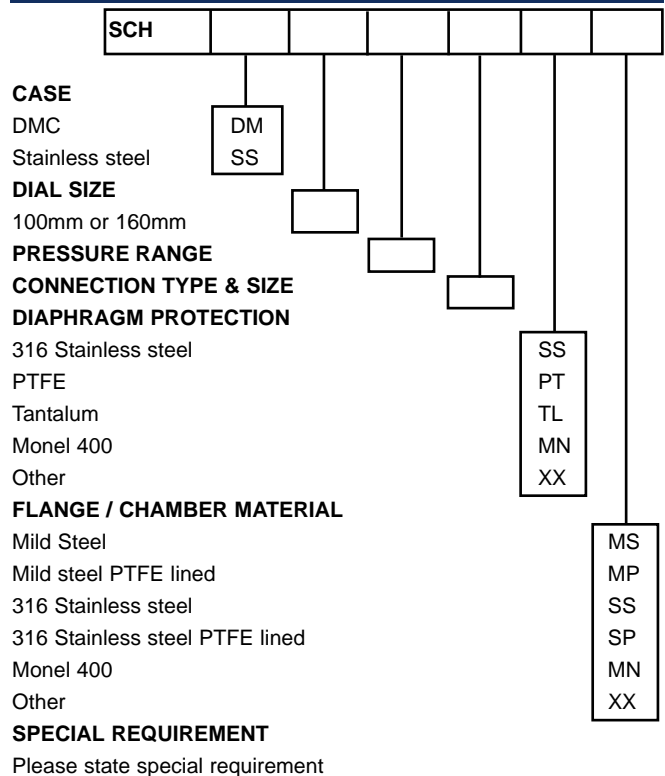
## CHAMBER MATERIALS AVAILABLE

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.

## SCHAFFER ORDER CODE



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