

Diaphragm seals threaded types

Model DS51

ASME B40.100

Features

- Metal diaphragm all welded design
- Compact design

Ranges

15 psi up to 300 psi
 1 kg/cm² up to 21 bar & kg/cm²
 100 kPa up to 2100 kPa

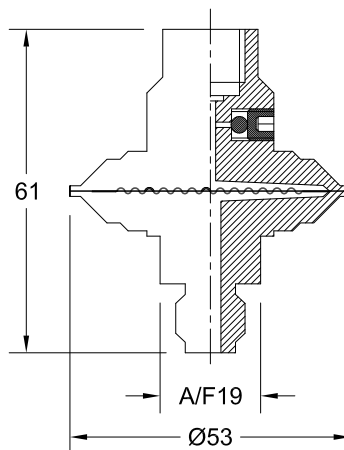
Applications

Pharmaceuticals
 Waste water treatment
 Machine and apparatus construction
 Biotechnology and filtration industries



Technical specification	DS51
Process connection size (ISO 228-1 / ASME B1.20.1)	1/4" BSP / NPT (M)
Construction	Diaphragm, top and bottom housing welded
Pressure range in bar (min max)	1 21
Instrument connection [female]	1/4" BSP
Material Housing Diaphragm (metal type)	Stainless steel 316, Optional Stainless steel 316L , Hasteloy-C276 Stainless steel 316L, Optional Hasteloy-C276
Accuracy	Additional 0,5 % to the specified tolerance of the mounted instrument
Filling liquids (temperature range)	Glycerin (0/400 °F, -18/204 °C), silicone (-40/600 °F, -40/315 °C), halocarbon (-70/300 °F, -56/149 °C), Syltherm 800 (-40/750 °F, -40/400 °C), vegetable oil (32/248 °F, 0/120 °C), Food grade silicone (-13/400 °F, -25/200 °C),
Mounting	Direct
Weight dry in grams	220
Accessories, options	Pressure gauges, transducer

General dimensions in mm



Order information

Process connection	Type	Diaphragm	Housing material	Instrument connection	Filling fluid	Options
(13) 1/4" BSP(M)	DS51	(S) 316L	(S) 316	(13T) 1/4" BSP(F)	(CG) Glycerin (CK) Silicone (CF) Halocarbon (HA) Syltherm 800 (GZ) Vegetable oil (CZ) Food grade silicone	(OF) Oil free (only filled with halocarbon)
(02) 1/4" NPT(M)		(H) Hastelloy C	(L) 316L (H) Hastelloy C			

How to order

Process connection	Type	Diaphragm	Housing material	Instrument connection	Filling fluid	Option
02	DS51	S	S	13T	CK	OF