

# 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/cm<sup>2</sup> up to 21 bar & kg/cm<sup>2</sup>  
 100 kPa up to 2100 kPa

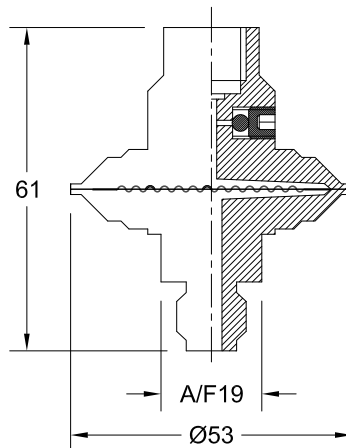
### Applications

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

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