

# Threaded diaphragm seal, welded construction

## Model DS60

ASME B40.100

### Features

- Metal diaphragms with all welded construction
- Variety of wetted parts materials
- Compact size for limited space

### Ranges

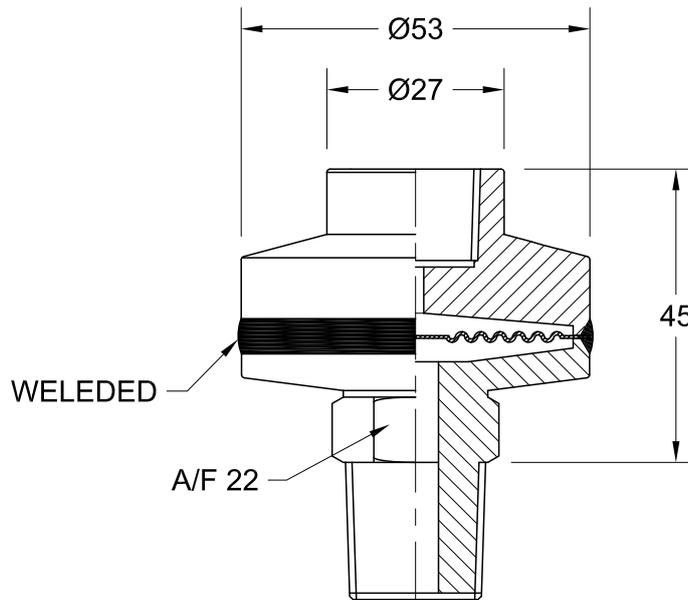
35 psi up to 1500 psi  
 2.5 kg/cm<sup>2</sup> up to 100 bar & kg/cm<sup>2</sup>  
 250 kPa up to 10000 kPa

### Applications

Chemical and petrochemical industry  
 Machine and apparatus construction  
 Offshore installations  
 Pulp and paper industry  
 Waste water treatment



Technical specification	DS60
Process connection size (ISO 228-1 / ASME B1.20.1)	1/4" 3/8" 1/2" 3/4" 1" BSP / NPT, M20x1.5, others on request
Construction Fill port	Diaphragm, top and bottom housing welded At the side with stainless steel ball and set screw
Maximum pressure Standard housing [psi / bar]	1500 / 100
Measuring principle	Diaphragm welded to top and bottom housing
Instrument connections [female]	3/8" BSP, 1/2" NPT, others on request
Material Housing Diaphragm (metal type)	Stainless steel 316, Optional Stainless steel 316L, Hasteloy-C 276 Stainless steel 316L, Optional Hasteloy-C 276
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), Others on request, also depending on selected material and configuration.
Mounting	Direct or with capillary
Weight in kg	~0.5
Accessories, options	NACE, pressure gauges, pressure switches, transducer, capillaries

**General dimensions in mm**

**Order information**

Process connection	Type	Diaphragm	Housing material	Instrument connection	Filling fluid	Options
(06) 1" NPT(M)	DS60	(S) 316L	(S) 316	(14T) 3/8" BSP (F)	(CG) Glycerin (direct mounted, -18/204 °C)	(NH) Tagging wired
(05) 3/4" NPT(M)		(H) Hastelloy C	(L) 316L	(04T) 1/2" NPT (F)	(CK) Silicone (direct mounted or with capillary, -40/315 °C)	(HP) High Pressure Ring
(04) 1/2" NPT(M)			(H) Hastelloy C		(CF) Halocarbon (direct mounted or with capillary, -56/149 °C)	(OF) Oil free (only filled with halocarbon)
(03) 3/8" NPT(M)					(HA) Syltherm 800 (direct mounted or with capillary, -40/400 °C)	(CA) Stainless steel armored capillary <sup>1)</sup>
(02) 1/4" NPT(M)					(GZ) Vegetable oil (direct mounted or with capillary, 0/120 °C)	(CP) Stainless steel armored capillary with PVC sleeving <sup>1)</sup>
(18) 1" BSP(M)					(CZ) Food grade silicone (direct mounted or with capillary, -25/200 °C)	
(17) 3/4" BSP(M)						
(15) 1/2" BSP(M)						
(14) 3/8" BSP(M)						
(13) 1/4" BSP(M)						
(16) M20x1.5(M)						
(06T) 1" NPT(F)						
(05T) 3/4" NPT(F)						
(04T) 1/2" NPT(F)						
(02T) 1/4" NPT(F)						
					others on request	<sup>1)</sup> Max length 30m, specify length in meter EG. CP1.0 = CP with 1m

**How to order**

Process connection	Type	Diaphragm	Housing material	Instrument connection	Filling fluid	Option
04	DS60	S	S	14T	CK	CA1.0