Threaded Flush Diaphragm Seal

DS400 Series

Features

- DS401 - Male threaded flush diaphragm
- DS402 - Parallel threaded flush diaphragm seal
- Connection size 1/2"..1 1/2" (DS401), 1"..2")DS402)
- Double laser welding diaphragm design
- Wide range corrosive and contaminated applications
- Effective as instrument leaking protection
- Pressure range 0..4 to 600 bar (DS401)
- Pressure range 0..1 to 200 bar (DS402)

Design

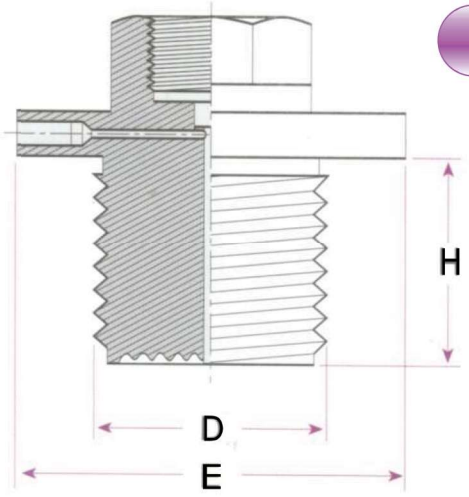
DS401 Series

DS402 Series

Technical Specification

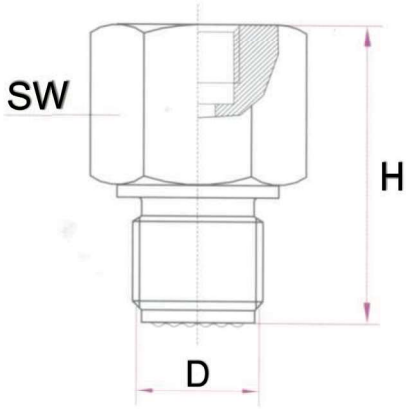
- Model and pressure configuration
  DS401 : 0.. 4 bar to 600 bar
  DS402 : 0.. 1bar to 200 bar
- Process Connection Type
  DS401 : Male threaded
  DS402 : Parallel threaded
- Instrument Connection Size
  Standard G1/2"or 1/2"NPT
- Process Connection Size
  DS401 : 1/2", 3/4", 1", 1 1/2" NPT or BSP
  DS402 : 1",1 1/4", 1 1/2", 2" NPT or BSP
- Body construction
  SS 316 (Standard)
- Diaphragm
  SS 316L (Standard),
  *Other materials, please consult
- Working temperature range
  Working media -20º..+150ºC
- Diaphragm filling
  Standard Silicone oil
- Optional Accessories
  Cooling tower when temperature > 100ºC

Dimension DS402



D	H	E	Pressure Range
G1"	51	50	0..40 up to 200
G1 1/4"	51	70	0..25 to 0.. 160
G1 1/2"	51	70	0..4 to 0.. 100
G2"	51	70	0..1 to 0.. 40
1" NPT	46	50	0..40 up to 200
1 1/4" NPT	46	52	0..25 to 0.. 160
1 1/2"NPT	46	70	0..4 to 0.. 100
2" NPT	46	70	0..1 to 0.. 40

Dimension DS401



D	H	Pressure Range
G1/2"	51	0..250 up to 600
G1 3/4"	51	0..60 to 0.. 400
G1"	51	0..40 to 0.. 200
G1 1/2"	51	0..4 to 0.. 100
1/2" NPT	46	0..250 up to 600
3/4" NPT	46	0..60 to 0.. 400
1"NPT	46	0..40 to 0.. 200
1 1/2" NPT	46	0..4 to 0.. 100

Ordering Code

DS① - Connection size② - Connection thread③ -Filling④ *Option⑤

①	Model
401	Male threaded flush diaphragm
402	Parallel threaded flush diaphragm

③	Connection Thread
G	BSP (British Standard Pipe)
N	NPT (National Pipe Thread)

②	Process Connection	
	DCS401	DCS402
2	1/2"	
3	3/4"	
1	1"	1"
D		1 1/4"
E	1 1/2"	1 1/2"
F		2"

④	Diaphragm Filling	
A	Standard silicone	-40º..+130ºC
B	Glycerine oil	-5º..+ 80ºC
C	Propylene glycol	-30º..+100ºC

⑤	Option
C1	Cooling tube AR100 (spring)
C2	Cooling tube AR200 (mini)
C3	Cooling tube AR300 (tube)

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