

Main Specifications

▼ Diaphragm seals diameter

160 mm

▼ Structure

Threaded diaphragm seals

Thread connection

▼ Filling oil

Glycerin / Silicone oil

(depends on media temp.)

▼ O-ring

Rubber

▼ Threaded size

1/4" ,3/8" ,1/2" ,3/4" ,1"

▼ Threaded type

BSPT, NPT, PF

▼ Pressure range

Min: 0.1 bar

Max: 60 bar

▼ Ambient temperature

10°C to 60°C

▼ Fluid temperature

+80°C (standard)

For fluid temp. 80°C to 400°C

or ambient temp. below 10°C:

available made-to-order

Wet Type Threaded Diaphragm Seals (Micro Pressure Type) Model: WDS1160(S)



Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specifications, please take the latest version as standard)

Ambient application

Petrochemical plant

Chemical plant

Paper mill plant

Waste water treatment

Dye industry

Applicable fluid

Corrosive

Low-crystallinity

Features

- OEM service
- Isolate pressure gauge from corrosive, viscous, and low crystallinity fluid.
- Threaded diaphragm seals with flushing hole (option)
- Base on the diaphragm material is PTFE, the minimum measureable pressure is 1000mmH₂O

How to order

<u>WDS1160(S)</u>	<u>SS304</u>	<u>SS316L</u>	<u>SS304</u>	<u>3/8"</u>	<u>NPT</u>	<u>Male</u>	<u>0...10 bar</u>
Model	Upper flange	Diaphragm	Lower flange (wetted)	Thread size	Thread spec.	Thread type	Pressure range
WDS1160(S)	SS304 (Standard)	SS316L (Standard)	SS304 (Standard)	1/4"	BSPT	Female	-1...0 bar
	SS316	Monel 400	SS316	3/8"	NPT	Male	-1000...0 mmH2O
	Monel 400	Hastelloy C276	Monel 400	1/2"	PF		0...1000 mmH2O
	Hastelloy B	Hastelloy B	Hastelloy B	3/4"			± 500 mmH2O
	Hastelloy C276	Hastelloy C22	Hastelloy C276	1"			0...1 to 60 bar
	Nickel 200	Nickel 200	Nickel 200				Others (please specify)
	Titanium	Titanium	Titanium				
	Duplex 2205	PTFE	Duplex 2205				
	Inconel 600	Duplex 2205	Inconel 600				
		Inconel 600					

Order example: WDS1160(S) - SS304 - SS316L - SS304 - 3/8" - NPT - Male - 0...10bar

Other request:

- Heat pipe
- Install a cooler between diaphragm seals and pressure gauge
- Fluid temperature: +80~400°C
- Remote reading capillary*¹
lining material - copper, surface material - SS304
- Remote reading capillary*¹
lining and surface material - SS 304
- Flushing hole*²

*¹: Only available for pressure measurement range <40bar.

*²: Only for certain models, for details please check with our sales