

## Main Specifications

## ▼ Thread connection

Size:

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

Spec.: PT (=BSPT)\* / NPT

Type: male / female thread

Other thread specs. are available made-to-order

## ▼ Pressure range

General type:

0.6~60 kg/cm<sup>2</sup>

Low pressure type:

below 0.6 kg/cm<sup>2</sup>

(available by adopting

Φ120mm or above diameter of diaphragm housing)

Negative and compound

pressure are available made-to-order

## ▼ Temperature range

Standard:

Media temp. 0~80°C

Ambient temp.: 10~60°C

For media temp. 80~400°C or ambient temp. below 10°C are available made-to-order

## ▼ Liquid filling

Standard:

Glycerin / Silicone oil (depends on temperature)

## ▼ Accessories (Option)

Cooling fin

Capillary for remote measurement (specify length of capillary when ordering)

A cleaning hole drilled on lower diaphragm seal

## Other Specifications

## ▼ Diaphragm material

Standard: SS316L

Other materials are available made-to-order

## ▼ Diaphragm housing

Diameter: Φ90mm

Material:

SS304 (Standard)

SS316, SS316L (Option)

Other materials are available made-to-order

## ▼ Coating (Option)

Teflon / PFA

## ▼ Other requests (Option)

Third party notarized documents

Inspection report

Tag

## Diaphragm Seal (Welded type)

### Model: DS190(W)

### Introduction

Diaphragm seal is used with pressure gauges and pressure transmitters, especially when medium is corrosive, contaminated, viscous, crystalline or with impurities. DS190(W) series is particularly used in mechanical engineering, plants, chemical, petrochemical industry and general heavy industry.



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 specification, please take the latest version as standard.)

### Features

- OEM service
- Applicable to media in severe environment

**\*Note:** For PF (BSP) thread, there is possibility that the inlet hole is clogged with viscous or crystallizing media because its hole is relatively small and additional maintenance will be needed.

## How to order

DS190(W) Diaphragm Seal (Welded type)									
Std.	Spec.	Code	Item	Code	Item	Code	Item	Code	Item
2	Thread size	2	1/4"	3	3/8"	4	1/2"	6	3/4"
		8	1"	—	—	—	—	—	—
P	Thread spec.	P	PT (=BSPT)	N	NPT	O	Others	—	—
M	Thread type	M	Male thread	F	Female thread	—	—	—	—
Custom	Pressure range	General type: 0.6~60 kg/cm <sup>2</sup> Low pressure type: below 0.6 kg/cm <sup>2</sup> (available by adopting $\Phi$ 120mm or above diameter of diaphragm housing) Negative and compound pressure are available made-to-order							
316L	Diaphragm material	316L	SS316L	O	Others	—	—	—	—
304	Material of diaphragm housing	304	SS304 (Standard)	316	SS316	316L	SS316L	—	—

Order example : DS190 (W) - 2 - P - M - (0.6~60 kg/cm<sup>2</sup>) - 316L - 304