

# DIAPHRAGM PRESSURE GAUGES

## Threaded Process Connection

### DS190 series

#### APPLICATIONS

Diaphragm pressure gauges are used when medium is corrosive, contaminated, viscous, crystallizing or with particles. DS190 series is particularly used in chemical and petrochemical industry, mechanical engineering, plant and apparatus construction.



#### SPECIFICATIONS

<b>Instruments</b>	All series pressure gauges and pressure transmitters are available
<b>Process connection (Thread)</b>	1/4" ; 3/8" ; 1/2" ; 3/4" ; 1" PT (BSPT) / NPT, male or female thread Other connection available made-to-order. Note: Generally PF (BSP) thread is not available because the inlet hole is too small and it will be clogged with viscous or crystallizing medium.
<b>Upper diaphragm housing</b>	SS304 standard SS316, SS316L and other materials available made-to-order Diameter Ø90 mm
<b>Lower diaphragm housing</b>	SS304 ; SS316 ; SS316L or others. Diameter Ø90 mm
<b>Diaphragm</b>	SS316L standard Teflon (PTFE), Hastelloy C, Monel or others available made-to-order
<b>Screws on housing</b>	SS304 standard, other materials available made-to-order
<b>Coating (option)</b>	Teflon ; PFA
<b>Temperature</b>	medium +80°C ; ambient 10 to 60°C for medium 80~400°C or ambient below 10°C available made-to-order
<b>Filling fluid</b>	Glycerin or silicon oil standard (depends on temperature), fluorocarbon oil available
<b>Pressure ranges</b>	General type: 0 / 0.6 ~ 0 / 60 kg/cm <sup>2</sup> (bar), positive, negative or compound < max. pressure for teflon diaphragm is 10 kg/cm <sup>2</sup> (bar) > Low pressure type: below 0.6 kg/cm <sup>2</sup>
<b>Accessory assembly (option)</b>	Cooling fin Capillary for remote measurement (specify length of capillary when ordering) A cleaning hole drilled on lower diaphragm seal

#### HOW TO ORDER (Please specify additionally the special custom-made specifications or option items)

