

DIAPHRAGM PRESSURE GAUGE

Threaded Process Connection – Plastic material

DS180 series



APPLICATIONS

Diaphragm pressure gauges are used when medium is corrosive, contaminated, viscous, crystalline or with impurities. DS180 series is particularly used with high corrosive medium. Industries of chemical, plating, waste water treatment and fertilizer are the most common applications.

SPECIFICATIONS

Instruments	All series pressure gauges and pressure transmitters are available
Process Connection (Thread)	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.
Upper Diaphragm Housing	Diameter : Φ82mm (PP only) and 70mm Material : Standard—PP Option—PVC ; Teflon(PTFE) ; PVDF
Lower Diaphragm Housing	Diameter : Φ82mm (PP only) and 70mm Material : PP ; PVC ; Teflon(PTFE) ; PVDF
Diaphragm	Teflon (PTFE)
Screws of Housing	SUS304 standard <other materials are available made-to-order>
Temperature	PP—medium max.+80°C for PN 1bar, max. +20°C for PN 10bar (linear) PVC—medium max.+60°C for PN 1bar, max. +20°C for PN 10bar (linear) PTFE / PVDF—medium max.+120°C for PN 1bar, max. +40°C for PN 10bar (linear)
Filling Fluid	Glycerin standard, fluorocarbon oil available
Pressure Range	General type : 0 / 1 ~ 0 / 10 kg/cm ² (bar), positive, negative or compound Low pressure type : below 1 kg/cm ² (dia. of diaphragm housing should be 90mm)
Accessory (option)	Capillary for remote measurement (specify length of capillary when ordering)

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

