

DIAPHRAGM PRESSURE GAUGES

Threaded Process Connection — Plastic material

DS180 series

APPLICATIONS

Diaphragm pressure gauges are used when medium is corrosive, contaminated, viscous, crystallizing or with particles. 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	PP standard PVC ; Teflon(PTFE) ; PVDF available made-to-order Diameter Ø82 (PP only) and 70 standard, 55 mm available
Lower diaphragm housing	PP ; PVC ; Teflon (PTFE) ; PVDF Diameter Ø82 (PP only) and 70 standard, 55 mm available * PP=Polypropylene ; PVC=Polyvinyl Chloride ; PVDF=Polyvinylidene Fluoride
Diaphragm	Teflon (PTFE)
Screws of housing	SS304 standard, other materials 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 ranges	General type: 0 / 1 ~ 0 / 10 kg/cm ² (bar), positive, negative or compound Low pressure type: below 1 kg/cm ² (diameter of diaphragm housing should be 90mm)
Accessory assembly (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)

