

DIAPHRAGM PRESSURE GAUGES

DS180 series



Thread Connection — Plastic material

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

Applicable instrument	Analog pressure gauge ; Digital pressure gauge ; Pressure transmitter
Instrument connection	1/4" ; 3/8" ; 1/2" PT / NPT / BSPP(PF) female thread
Process connection	1/4" ; 3/8" ; 1/2" ; 3/4" ; 1" PT / NPT / BSPP(PF) male or female thread Other connection available made-to-order
Diaphragm Housing	Ø70mm (standard) ; Ø90mm / Ø150mm available for low range Other size available made-to-order. Upper: PP ; PVC ; Teflon (PTFE) ; PVDF ; SS304 ; SS316 ; SS316L Lower: PP ; PVC ; Teflon (PTFE) ; PVDF * PP=Polypropylene ; PVC=Polyvinyl Chloride ; PVDF=Polyvinylidene Fluoride
Diaphragm	Teflon (PTFE)
Screws on housing	SS304 standard, other materials available made-to-order
Temperature limited	PP—medium max.+80℃ for PN1bar, max.+20℃ for PN10bar (linear) PVC—medium max.+60℃ for PN1bar, max.+20℃ for PN10bar (linear) PTFE / PVDF—medium max.+120℃ for PN1bar, max.+40℃ for PN10bar (linear)
Pressure ranges	Standard type : 0/1 ~ 0/25 kg/cm ² (bar) positive, negative or compound Low pressure: 0/500 ~ 0/5000 mmH ₂ O
Accessory assembly (option)	(1) Capillary for remote measurement (specify length of capillary when ordering) (2) Damper

HOW TO ORDER

Model No. of pressure gauge + DS180 - **P** + **P** - **4** **P** **M** -

Upper Housing		Lower Housing		Thread Size		Thread Spec.		Thread Type		Options	
P	PP	P	PP	2	1/4"	P	PT (R)	M	Male	MP	Low pressure
V	PVC	V	PVC	3	3/8"	N	NPT	F	Female	DP	W/ Damper
T	PTFE	T	PTFE	4	1/2"	F	BSP(G)			1M	W/ 1M capillary
D	PVDF	D	PVDF	6	3/4"	X	other				
F	SS304			8	1"						
S	SS316			X	other						
L	SS316L										