



PVC/Teflon Diaphragm Seal KCDSPVC-T

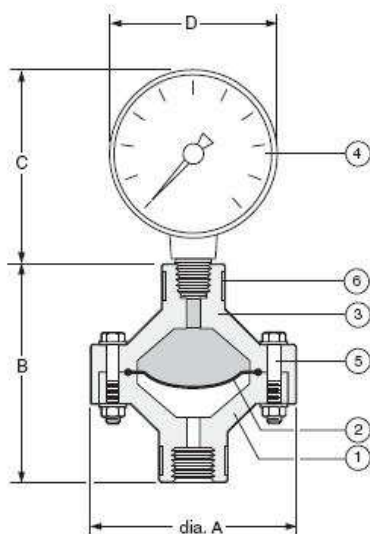
Isolate Pressure Instruments from Corrosive Media PTFE Diaphragm

Features

- Will accept up to 6" Diameter Gauges
- High Chemical Resistance
- PVC Body
- PTFE Diaphragm for Chemical Resistance and Sensitivity
- 1/4" or 1/2" Threaded

Heavy Duty Design for Safety

- Stainless steel fasteners
- Heavy wall connection ports



DIMENSIONS INCHES

Inlet Size†	Instrument Connection	A	B	Optional Gauge Nominal Size	C	D(max)
1/2"	1/4"	3.22	3.38	2-1/2"	3.1	2.5
1/2"	1/2"	3.22	3.38	4"	4.5	4.0
1/2"	1/2"	3.22	3.38	4-1/4"	6.3	5.83

† 1/4" are also available.

WORKING PRESSURES PSI

Material	10 - 20°C 50 - 68°F	30°C 86°F	40°C 104°F	50°C 122°F	60°C 140°F	Net Weights Pounds*
PVC	150	115	85	60	15	1.0

Temperature Ranges - PVC: -10 to 60°C (14 to 140°F)

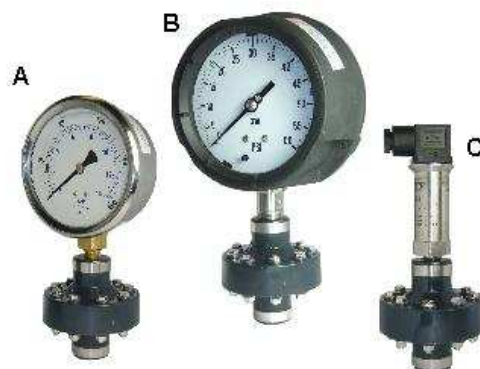
PARTS

No.	Part	Pcs.	Materials
1	Lower Chamber	1	PVC
2▲	Diaphragm	1	PTFE
3	Upper Chamber	1	PVC
4	Optional Gauge	1	
5	Hex Bolt, Nut & Washers	9 Sets	304 SS, M5x30
6	Stainless Steel Bands	2	SS

▲ Recommended Spare Parts

Isolators are available alone or with gauge mounted and calibrated ‡

Stainless Steel Bands – Prevents splitting when installing



- A PVC Isolator with 200 Series
B PVC Isolator with 4501 Series
C PVC Isolator with E913 Series

‡ Other fluids are available for special applications such as chlorine service.

How to order:

Model No.	Instrument Conn	Process Conn	Model No.	Instrument Conn	Process Conn
KCDSPVC-T11	1/4" FNPT	1/4" FNPT	KCDSPVC-T21	1/2" FNPT	1/4" FNPT
KCDSPVC-T12	1/4" FNPT	1/2" FNPT	KCDSPVC-T22	1/2" FNPT	1/2" FNPT



KC701LDS MOLDED GAUGE/SEAL

This innovative new product was developed to solve many common problems associated with polymer type diaphragms seals. Due to the **all molded design** the gauge cannot be removed from the seal, preventing loss of fill – And There is no chance of cracking the upper housing by over tightening the gauge. This product is also molded of a harder blend of polymers – making them more resistant to cracking or breaking during installation.

Black Body PP Assembly



For filter and pump control on liquid and gases. Housed in all PP material can resist transient overpressure and maintain leak-tight connection. It is also designed to satisfy requirements in corrosive atmosphere & fluids.

White Body PTFE Assembly



TEFLON anti-impact, all in one Protect from acidification & alkalization excellent stability With its deform temperature is 150°C.

Specialized used in PCB/LCD, high-tech zone, IC equipment, pipe-Line installation and the internal outfit of dust-free chamber with all in one case covered around in order to its unbreakable function and excellent anti-corrosion properties.

Polypropylene Seal Assembly

Injection Molded Polypropylene

2 1/2" Diameter

1/4" or 1/2" FNPT

Viton

Brass

Brass

Glycerine (Others Available upon Request)

Polycarbonate

Dry but Fillable

Dual Scale PSI / Bar / x 100 = kPa

Others Available upon Request

15 PSI to 400 PSI

-4°F to 140°F / -20°C to + 60°C

1.5 % Full Scale

Specifications:

Case & Body:

Dial Size:

Process Conn:

Diaphragm:

Bourdon Tube:

Internals:

Fill Fluid:

Lens:

Case Style:

Dial:

Max Pressure:

Max Temp:

Accuracy:

PTFE Seal Assembly

Injection Molded PTFE

2 1/2" Diameter

1/4" or 1/2" FNPT

PTFE

316SS

316SS

Based upon customer requirements

Polycarbonate

Dry but Fillable

Dual Scale PSI / Bar / x 100 = kPa

Others Available upon Request

15 PSI to 400 PSI

-4°F to 140°F / -20°C to + 60°C

1.5 % Full Scale

Dimensions:

	Inches	MM
A	2.89"	73.44
B	.62"	15.80
C	1.04"	26.47
D	2.61"	66.36
E	.50"	12.82
F	1.19"	30.36
G	.43"	10.99
H	1.23"	31.28
I	2.29"	58.29

