



# ACCUGUARD Diaphragm Seals

Without proper protection, process fluids can contaminate and damage in-line instrumentation. ACCUGUARD Diaphragm Seals are designed to protect and isolate pressure gauges and expensive instrumentation from corrosive, high temperature, or viscous, process media.

## Features

- Transfers process pressure accurately without direct contact with process fluids
- Removes the need for expensive instrumentation
- Easily installed and available in five chemically resistant Materials of Construction
- Optional Diaphragm Materials
- Available with 1/4" & 1/2" Bottom Connection Sizes in FNPT & BSPT Female Connection Types
- Thermoplastic Units Rated to 240 PSIG (16 BARG) @ 21°C (70°F)
- 316L S/S Units Rated to 5800 PSIG (400 BARG) @ 21°C (70°F)
- Approved – 316 S/S Diaphragm Seals with CRN (Canadian Registration Number)



## HOW TO ORDER - AccuGuard

Example Part Number: AG25A25A-PVC-V-M-[Optional Gauge]

AG 25 A 25 A - PVC - V - M - [Optional Gauge]  
See Gauge List

AccuGuard Diaphragm Seal

Connection Size (Top)  
25 = 1/4"

Connection Type (Top)  
A = FNPT

Connection Size (Bottom)  
25 = 1/4"  
50 = 1/2"

Connection Type (Bottom)  
A = FNPT  
B = BSPT

Options  
M = Mounted Gauge/Glycerin Filled

Diaphragm Materials  
V = Viton (Thermoplastic Body Only)  
E = EPDM (Thermoplastic Body Only)  
T = PTFE (Thermoplastic Body Only)  
S/S = 316 S/S (S/S & S/SV Body Only)

Body Materials  
PVC = Polyvinylchloride  
CPVC = CPVC Corzan  
PP = Polypropylene  
(Not Available with PTFE Diaphragm)  
PVDF = Polyvinylidene Fluoride  
(PTFE Diaphragm Only)  
S/S = 316L Stainless Steel  
S/SV = Vented 316L Stainless Steel

- Optional Gauge Appears as Separate Line Item When Ordered
- Diaphragm Seals With Gauges = Glycerin Filled As Standard
- 1/4" & 1/2" MNPT Nipples Available - Call Factory for Details





# ACCUGUARD Diaphragm Seals

## Technical Information

### Temperature Correction Factors: Thermoplastics Temperature Effects:

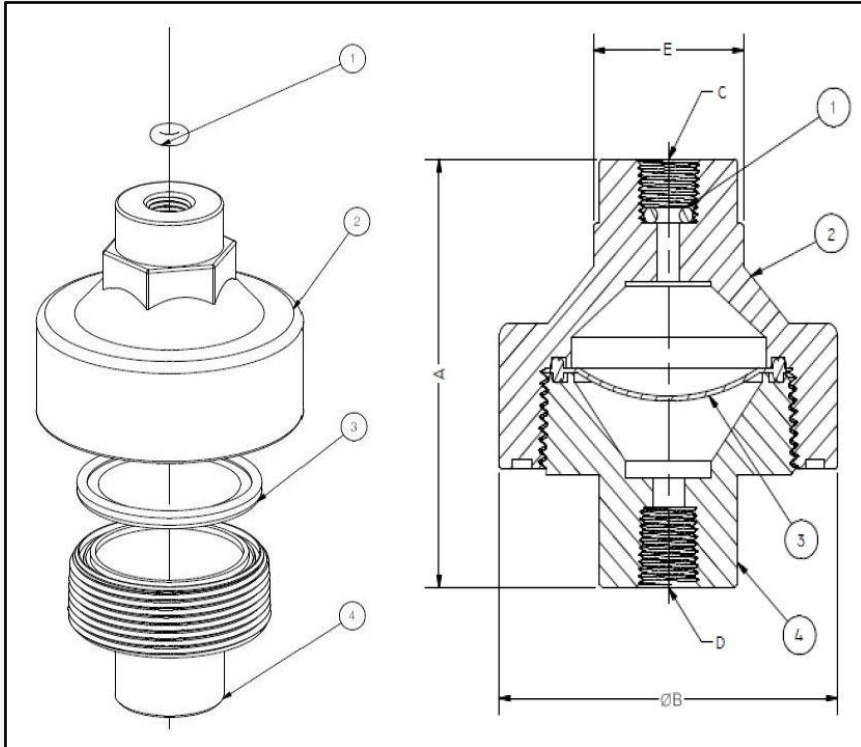
Thermoplastics and thermosets will decrease in tensile strength as the temperature increases: therefore, the working pressure must be reduced accordingly. For additional information, please visit: [www.eco-valve.com](http://www.eco-valve.com).

### Canadian Registration Number:

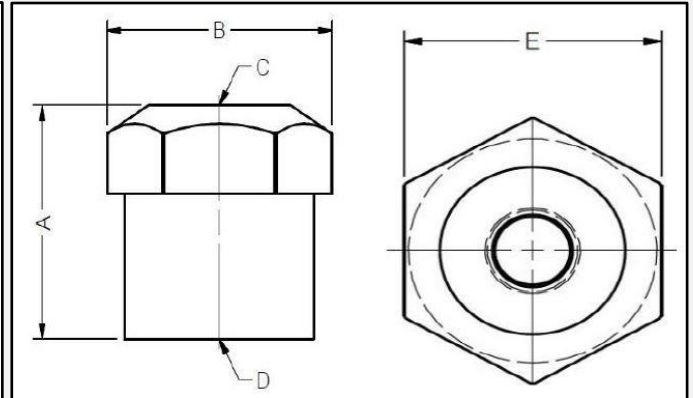
Approved - 316L S/S ACCUGUARD Diaphragm Seals with CRN (Canadian Registration Number) Certification for all of Canada.

## Dimensions & Parts

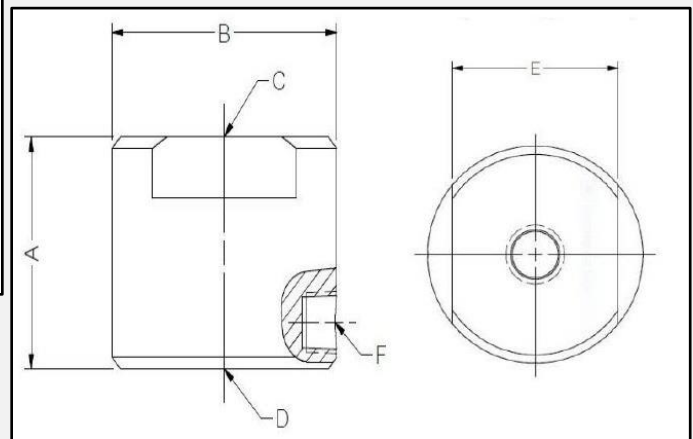
### Thermoplastic Diaphragm Seals



### Alloy Diaphragm Seals



### Vented Alloy Diaphragm Seals



### Dimensional Information

Dimension	Thermoplastic	Alloy	Vented Alloy
A	3.3" [84.68mm]	1.5" [38.61mm]	1.57" [40.00mm]
B	3.1" [78.49mm]	1.7" [43.43mm]	2.05" [52.00mm]
C	See "How to Order"	See "How to Order"	See "How to Order"
D	See "How to Order"	See "How to Order"	See "How to Order"
E	1.4" [35.00mm]	1.5" [38.10mm]	1.57" [40.00mm]
F	N/A	N/A	1/8" FNPT

### Thermoplastic Diaphragm Seal Parts & Materials

Item Number	Description	Material of Construction
1	O-Ring	EPDM
2	Upper Housing	Polypropylene (PVC, CPVC, & PP Lower Housings) Or PVDF (PVDF Lower Housing Only)
3	Diaphragm	See "How to Order"
4	Lower Housing	See "How to Order" (Body Materials)

• Alloy Units = Sealed – No Parts Available

