



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



Primary Fluid Systems Inc. | 1050 Cooke Blvd. | Burlington | Ontario | L7T 4A8 | Canada

www.eco-valve.com | sales@ecovalve.ca | 1-800-776-6580



ACCUGUARD Diaphragm Seals

Technical Information

Temperature Correction Factors: Thermoplastics Temperature Effects:

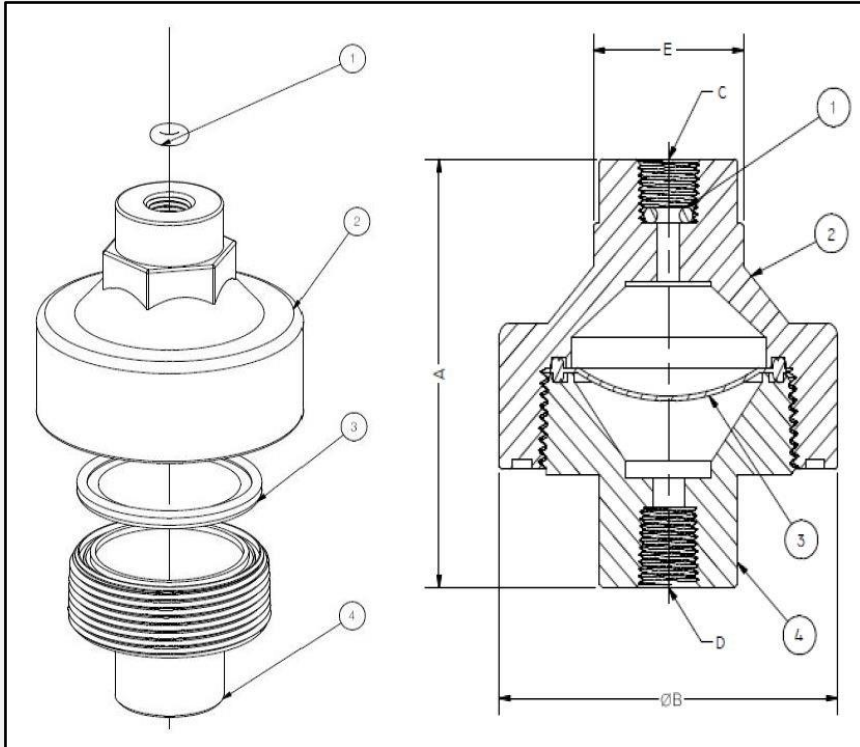
Thermoplastics and thermosets will decrease in tensile strength as the temperature increases: therefore, the working pressure must be reduced accordingly. For additional information, please visit: www.eco-valve.com.

Canadian Registration Number:

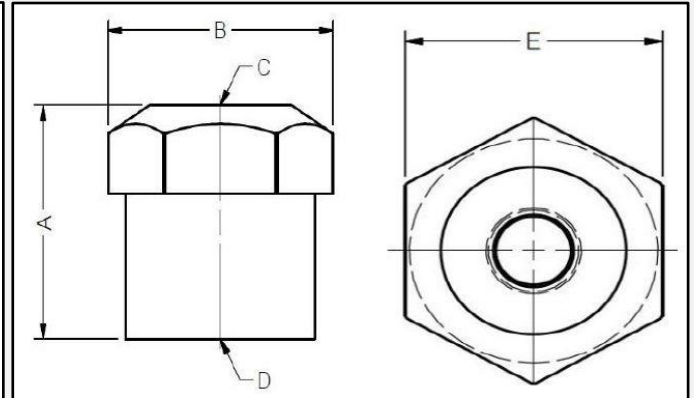
Approved - 316L S/S ACCUGUARD Diaphragm Seals with CRN (Canadian Registration Number) Certification for all of Canada.

Dimensions & Parts

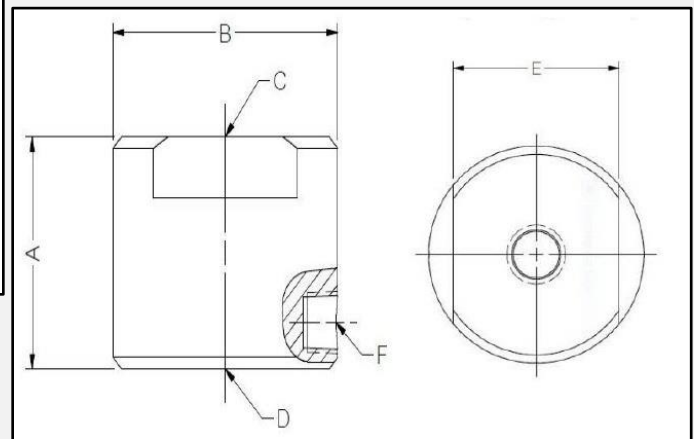
Thermoplastic Diaphragm Seals



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



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