

**DRM
DIAPHRAGM SEAL**



Flow
Pressure
Level
Temperature
measurement
monitoring
control

P1



- **Synthetic or Stainless Steel Wetted Parts**
- **Sanitary Version**
- **Flanged Versions**
- **Threaded Versions**
- **Protects From Highly Viscous and Crystallizing Media**
- **Pulsation Damping**
- **Temperature Isolation**



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Model:
DRM

Features

- Synthetic or Stainless Steel Wetted Parts
- Sanitary Version
- Flanged Versions
- Threaded Versions
- Protects From Highly Viscous and Crystallizing Media
- Pulsation Damping
- Temperature Isolation

On occasion, you may be confronted with the task of measuring the pressure of a particularly uncooperative medium. Whether the problem is high viscosity, incompatibility with metals, crystal formation, high temperature or some other trait, chances are a KOBOLD DRM diaphragm seal is the solution to your dilemma. By separating the pressure gauge from the medium via a diaphragm, the more delicate elements of your system can be protected from harsh media properties or process characteristics.

Available with a variety of process connections, the DRM may be coupled directly to any KOBOLD pressure gauge, or remotely connected via a filled capillary tube. A capillary tube allows installation of the indicator at a remote location. It can also be a mechanism for isolating the gauge from possible hot processes.

ANSI flange, Tri-Clamp®, and NPT fittings are standard. A variety of European (metric) fitting styles are available on request.



KOBOLD DRM Diaphragm Seal

Specifications

Ranges: 0–80 PSIG
 Sensing Element: diaphragm
 Fill Fluid
 Standard: silicone oil
 Optional: silicone-free oil, parafin

Remote Installation Hardware
 Materials of Construction
 Capillary Tube: 316-Ti SS
 Armor: 316 SS

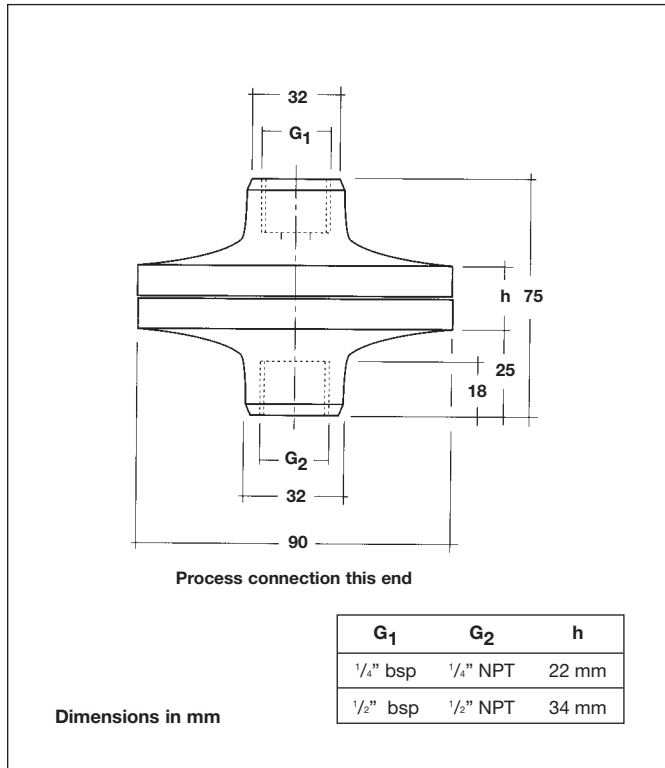
DRM-630 Plastic NPT Seal
 Materials of Construction
 Body: PVC, PVDF, Polypropylene
 Membrane: PTFE covered Hypalon
 Temp. Range: 32°F to 120°F
 Pressure Range: 0 to 230 PSIG
 Fittings: 1/4", 1/2" NPT

DRM-610 SS Sanitary Seal
 Materials of Construction
 Body: 304 & 316-Ti SS
 Membrane: 316-Ti SS
 Temp. Range: 15°F to 390°F
 Pressure Range: 0 to 145 PSIG
 Fittings: 1/2", 2" Tri-Clamp®

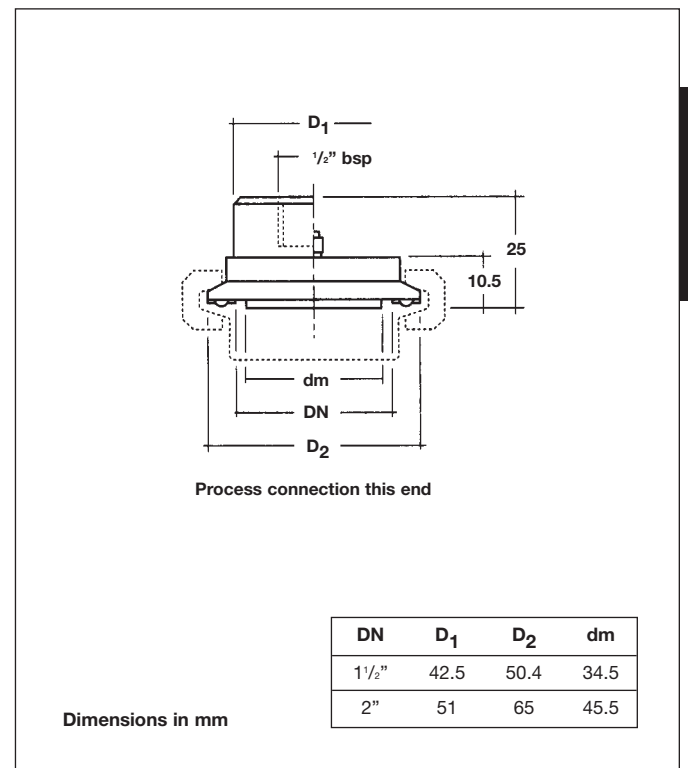
DRM-633 SS ANSI Flange Seal
 Materials of Construction
 Body: 304 & 316-Ti SS
 Membrane: 316-Ti SS
 Temp. Range: –40°F to 480°F
 Pressure Range: 0 to 580 PSIG
 Fittings: 2" RF ANSI flange

DRM-625 SS NPT Seal
 Materials of Construction
 Body: 304 & 316-Ti SS
 Membrane: 316-Ti SS
 Temp. Range: –40°F to 480°F
 Pressure Range: 0 to 580 PSIG
 Fittings: 1/2" NPT

DRM-630 Plastic NPT Seal

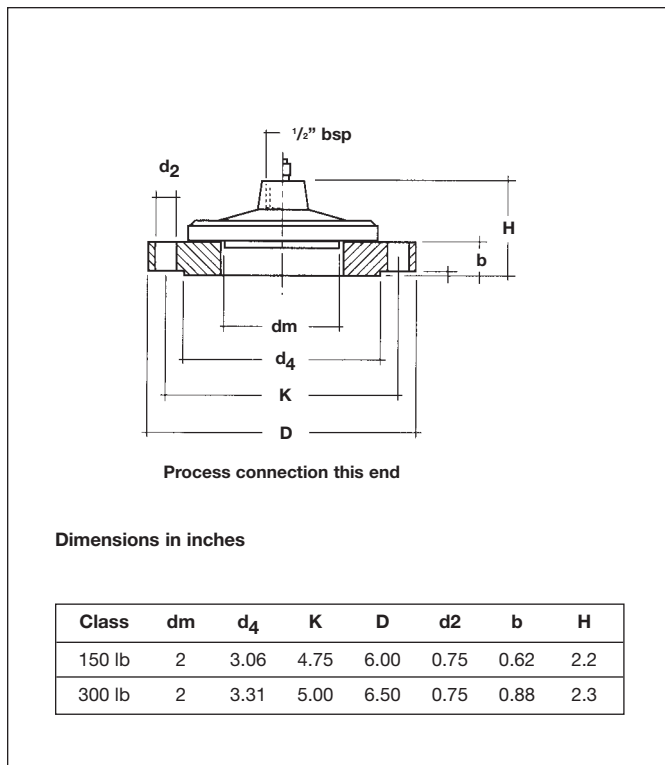


DRM-610 SS Sanitary Seal

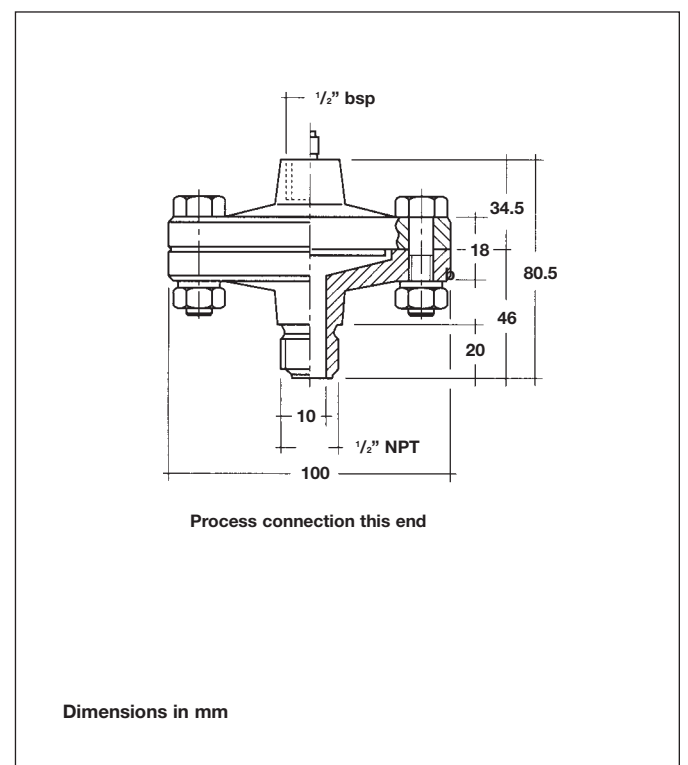


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DRM-633 SS ANSI Flange Seal



DRM-625 SS NPT Seal





DRM Ordering Information	
DRM	= Diaphragm Seal Element for KOBOLD Pressure Gauges
	<p align="center">Fitting Choices</p> <p>-630N08 = 1/4" NPT Plastic Seal Element (PVC, Polypropylene or PVDF only- see below) -630N15 = 1/2" NPT Plastic Seal Element (PVC, Polypropylene or PVDF only- see below) -610F40 = 1 1/2" Tri-Clamp® Seal Element (Stainless Steel only) -610F50 = 2" Tri-Clamp® Seal Element (Stainless Steel only) -633F501 = 2"-150 lb RF ANSI Flange (Stainless Steel only) -633F502 = 2"-300 lb RF ANSI Flange (Stainless Steel only) -625N15 = 1/2" NPT Seal Element (Stainless Steel only)</p>
	<p align="center">Wetted Materials</p> <p>C = PVC (630 series only) P = Polypropylene (PP, 630 series only) F = PVDF (aka: Kynar®, 630 series only) V = Stainless Steel (all except 630 series. See specification for steel grade)</p>
	<p align="center">Fill Liquid</p> <p>1 = Silicone-free oil (usable with process temperatures: 15 to 250°F) 2 = Silicone oil (usable with process temperatures: -40 to 750°F) 8 = Almond oil (usable with process temperatures: 15 to 250°F)</p>
	<p align="center">Capillary Armor</p> <p>S = Armored capillary tube U = Unarmored capillary tube</p>
	<p align="center">Capillary Length</p> <p>Lxx = Length (xx = length in feet) of capillary tube</p>
DRM	-625N15 V 1 S L23
	Sample DRM Specification for a Seal Element with 23 foot capillary

Complete this Table and Submit with your Order

NOTE: Purchase of a KOBOLD DRM diaphragm seal requires purchase of a KOBOLD pressure gauge from one of the previous pages.

Operating Conditions:

Ambient Temperature: _____

Process Temperature: _____

Process Pressure: _____