



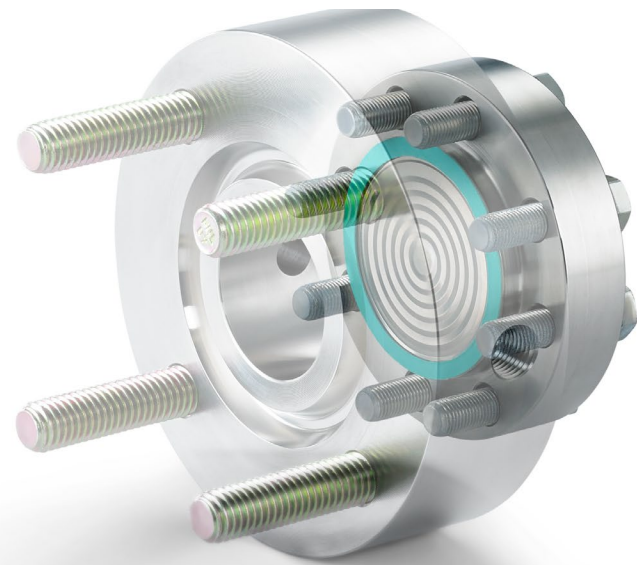
Rosemount diaphragm seals for most any application

Rosemount™ 1299 Diaphragm Seals

A large standard selection and custom engineered configurations to fit your specific application needs.



Protection for longer-lasting instrument life



Many pressure instrument installations rely on diaphragm seals to keep the process fluid where it belongs, while delivering accurate and repeatable pressure measurements across a wide variety of operating conditions. They can support gauge, absolute or differential pressure (DP), which extends potential use to flow and level measurements and can serve as remote seals where their physical size fits the application.

In many respects, a remote diaphragm seal's greatest advantage is that it protects the instrument from the process. The remote seal bears the brunt of high pressures, high temperatures and corrosiveness to help extend device service life.

ROSEMOUNT™

Choose the right design and instrumentation for easier maintenance

Benefits of diaphragm seals

- Allow for systems to be designed to contain processes if a failure occurs
- Remote seals can be used in high temperature applications to isolate the transmitter from the process
- Instrumentation can be serviced with the least amount of process downtime
- Simpler impulse lines between the transmitter and remote seal reduce maintenance of wet and dry legs

Why do seals fail?

- Incorrect material selection or incorrect specification of instrument components
- Instrument being pushed beyond its design limits due to process fluid being more corrosive or erosive than expected
- A difference in chemistry, inclusion of abrasive solids, and increases in fluid velocity

Our selection

Emerson offers a robust selection of options that fit your exact process needs for reliable and worry-free operation.



- Now even more options with our new threaded 800 PSI Rosemount 1299 Diaphragm Seal system

- **7 different flanged or threaded seals** to accommodate ½ inch to 4 inch process connections
- **5 fill fluids** (-49 to 572 °F)
- **4 diaphragm coatings** for another level of protection against even the most corrosive and abrasive process'
- **4 system types**
 - Balanced systems for equal response time between measurement points
 - Tuned™ systems reduce temperature effects by 10-20% and improve response time by 80% over traditional installations
 - Inline systems, ideal for high static pressure readings
 - Coplanar™ systems for differential, static and atmospheric pressure readings
- **2 Connection Types;** Welded-repairable, or all-welded for a more robust solution in demanding applications
- **Multiple materials of construction:** 316SST, C-276, Tantalum, Duplex 2205 SST, and Alloy 400

A comprehensive portfolio backed by expert service

Complete systems for virtually any application



- Balanced, Tuned, Inline or Coplaner systems

A large selection of products and accessories



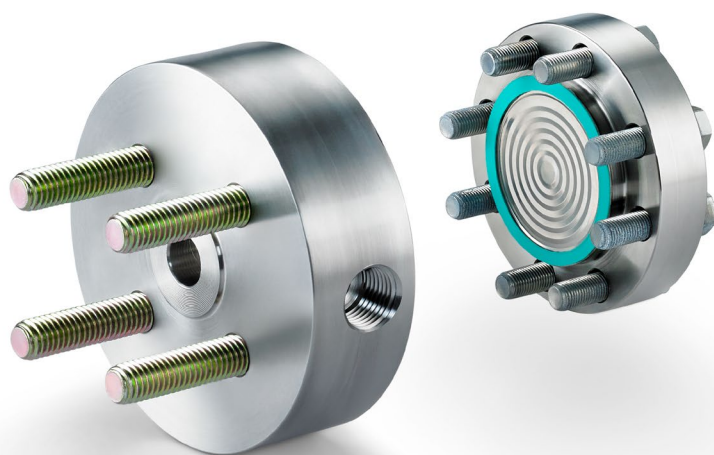
- Field-proven products you can trust for quality and reliability

Expert staff, at your service







- Online chat, customer care experts, and MyEmerson tools to serve you

Product selection and expertise to help you with most any application



ROSEMOUNT™

Questions? Find the right product with our live Online chat or get assistance from our expert customer care team.

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