

# Rosemount CorrosionShield Remote Seal Diaphragm Coating

Extend product life with enhanced corrosion resistance in challenging applications



## Prevent Diaphragm Seal Failure

Diaphragm seal systems offer protection to pressure transmitters, but corrosive process fluids and aggressive chemicals can deteriorate diaphragm seals, leading to failure or even complete instrument replacement. Avoid diaphragm seal failure due to corrosion by selecting Emerson's Rosemount™ CorrosionShield Remote Seal Diaphragm Coating.

Applied across the entire wetted surface, this coating provides comprehensive protection and prevents against weld seam corrosion using a permeation-resistant additive that slows process fluid from penetrating the coating, extending the life of the diaphragm seal. Ideal for challenging applications and process fluids, Rosemount CorrosionShield Coating offers:

- More robust permeability resistance than common PFA coatings
- Increased diaphragm durability and performance, which can help extend equipment service life for long-term cost savings



## Increase Reliability in Corrosive Applications

In addition to guarding transmitters against corrosive processes, Rosemount CorrosionShield Coating offers the following benefits:

- Available on a wide variety of diaphragm seal types
- Non-stick properties suitable for viscous liquids
- Continuous working temperature up to 500 °F (260 °C)
- Excellent corrosion resistance due to high-purity PFA material
- Suitable for vacuum applications
- Vacuum tested and quality inspected to ensure complete diaphragm coverage

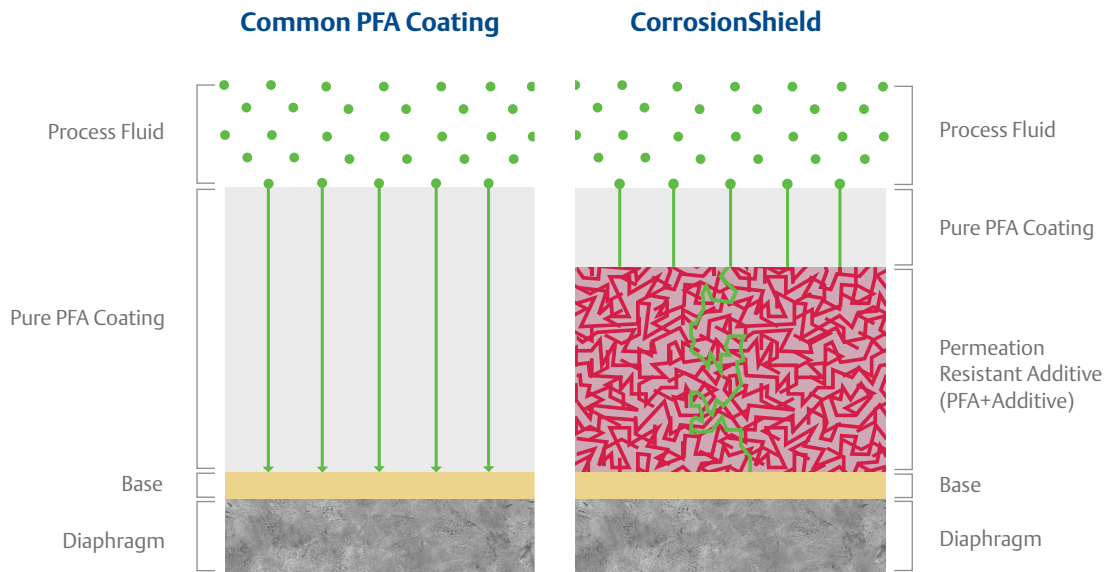


For more information, visit [Emerson.com/DPLlevel](https://www.emerson.com/DPLlevel) or contact your local Emerson Sales Representative



# Rosemount CorrosionShield Remote Seal Diaphragm Coating

Rosemount CorrosionShield Coating provides improved permeability resistance compared to common PFA coatings.



Common PFA coatings are susceptible to process fluid penetration that can cause corrosion of the diaphragm, leading to failure.

CorrosionShield technology slows process fluid from penetrating the coating, enhancing corrosion resistance and extending the life of the diaphragm seal.

## Related Products



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