



How do I Know the Rosemount 5408 is a Good Fit for Chemical Storage tanks with Aggressive, Coating or Viscous Media?

Non-contacting radar handles many challenging applications including changing fluid characteristics (density, dielectric, conductivity, viscosity) and wide variations in pressure and temperature. The midrange 26 GHz frequency is optimal for typical process level application challenges including condensation, turbulence, nozzles, product build-up, foaming and agitators.

The Rosemount 5408 Level Transmitter offers:

- Broad range of connections
- Wide pressure and temperature limits
- Long measuring range
- No dielectric limits
- HART® Protocol
- SIL2 Certified

CHALLENGES IN AGGRESSIVE, VISCOUS AND COATING APPLICATIONS

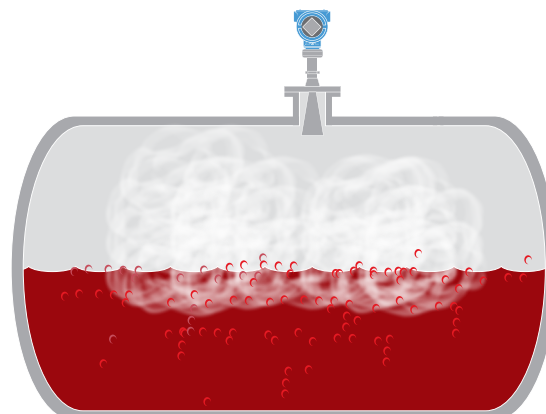
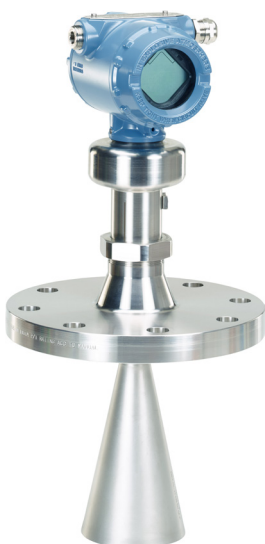
Many level applications involve fluids that corrode, coat, or stick on contacting products. Heavily viscous fluids may prevent a representative measurement and cause slow response time with contacting technologies. In some applications non-metal tanks are sometimes used to cost effectively handle corrosive fluids.

THE ADVANTAGE OF RADAR

Top down, non-contacting radar is unaffected by coating and viscosity issues since it measures the surface of the fluid. Issues with coating and corrosion are reduced since non-contacting radar does not come into contact with the liquid.






ROSEMOUNT 5408 ADVANTAGES

- With non-metal tanks the Rosemount 5408 may be mounted above the tank without the need to penetrate the tank roof.
- The Rosemount 5408 may be used with full port valves.
- With its unique waveguide design, no O-rings are used in the wetted part construction, simplifying the specification of the Rosemount 5408.
- With a focused FMCW signal on the surface, and a stronger return echo - 30 times stronger than pulsed radars - the Rosemount 5408 is able to measure any surface, no matter how slowly or quickly the changes occur.
- Signal quality metric diagnostics allow dirty antenna detection so preventative maintenance can be scheduled.



For further information please visit
www.Emerson.com/Rosemount/5408




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