



# How do I Know the Rosemount 5408 is a Good Fit for Chemical Applications?

*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 for liquids
- HART® Protocol



## CHALLENGES IN CHEMICAL APPLICATIONS

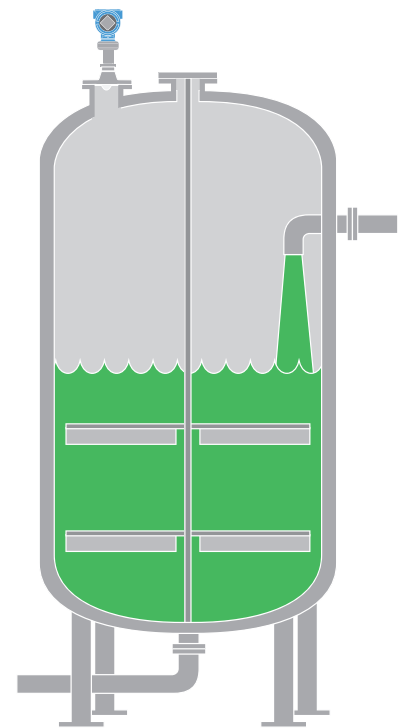
Many level applications involve fluids that corrode, coat, or stick on contacting products. Heavily viscous fluids may prevent a representative measurement and cause slow response time with contacting technologies. In some applications non-metal tanks may be used to cost effectively handle corrosive 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 because non-contacting radar rarely comes into contact with the liquid.






## ROSEMOUNT 5408 ADVANTAGES

- 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 level changes occur.
- Process seal antenna provides an all PTFE solution - ideal for aggressive media.
- The process seal antenna design makes it the perfect choice for applications with heavy condensation since droplets simply slide off the PTFE seal.
- Signal quality metric diagnostics provide dirty antenna detection enabling preventative maintenance to be scheduled.





For further information please visit  
[Emerson.com/Rosemount5408](http://Emerson.com/Rosemount5408)




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