

# RELIABLE LEVEL MEASUREMENTS FOR DISTILLATION AND FRACTIONATION APPLICATIONS

Chemical, Petrochemical, Refining and Oil & Gas Industries

Reliable level measurement is crucial to obtain the highest possible product throughput while ensuring cost-effective and sustainable operations.

Rosemount™ Level Measurement solutions provide safe and accurate measurements in the most extreme environments, handling changing product properties and build-up, and certified for safety instrumented systems.

## Enhance Safety with a safety-certified portfolio

Avoid climbing tanks, reduce time spent in hazardous areas and minimize process interruptions

- Most comprehensive safety-certified portfolio on market
- Solutions for all types of tanks and vessels
- Independently certified to IEC 61508 (3rd Party Certification)
- Remote Comprehensive/Partial Proof-testing (Significant time and cost savings)

## Improve Sustainability by increasing energy efficiency

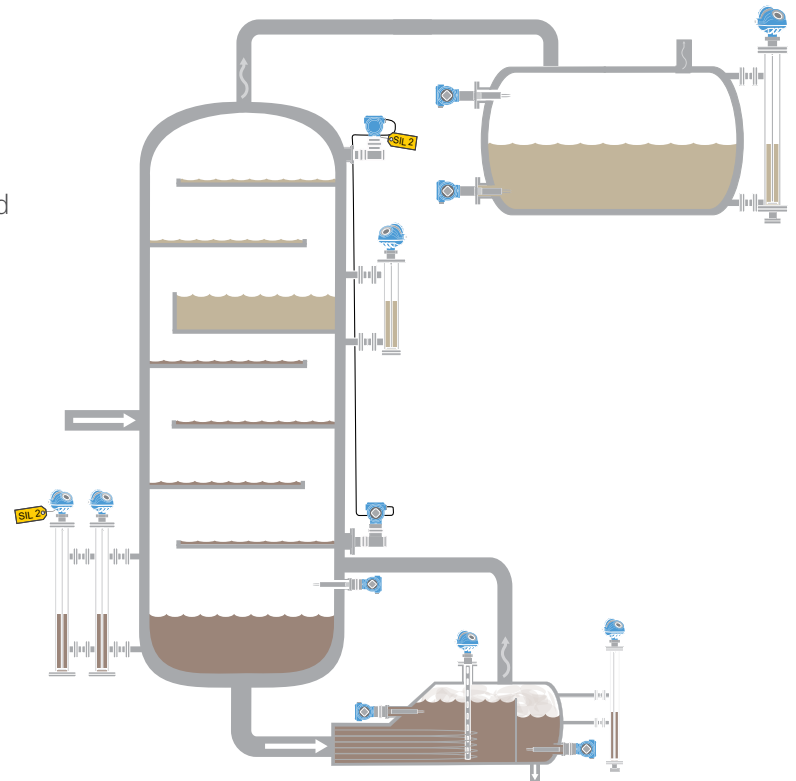
With easy-to-use and accurate instrumentation, you will be able to make data-driven decisions, optimize your process and resources, and maximize yield. This enables:

- Greater plant utilization
- Improved product quality
- Less reflux

## Proven technologies reliable and robust devices

With over 50 years of innovation experience, Rosemount offers one of the broadest and most reliable level measurement portfolios on the market, featuring the following:

- Maintenance-free technologies with no moving parts
- Devices that are virtually unaffected by process changes (e.g. density, viscosity)
- Intuitive and proactive diagnostics



# LEVEL MEASUREMENT IN DISTILLATION AND FRACTIONATION APPLICATIONS



## Rosemount 5300 Guided Wave Radar

- Detect emerging build-up with preventive alerts and continuous health monitoring through Signal Quality Metrics
- Reliable measurements on weak surface signals such as boiling hydrocarbons with Probe End Projection and patented Direct Switch Technology providing the strongest signal
- Easy to retrofit transmitters into existing chambers

[www.Emerson.com/Rosemount 5300](http://www.Emerson.com/Rosemount5300)



## Rosemount 2140 Vibrating Fork

- Reliable measurements with all of the Rosemount 2130's benefits
- Save time with safe remote proof testing
- Protect pumps from sand with unique Sediment Detection feature
- Maximize production by proactively monitoring device health to detect emerging build-up, with Frequency Profiling, and Process Alerts

[www.Emerson.com/Rosemount 2140](http://www.Emerson.com/Rosemount2140)



## Rosemount 3051S DP Level Transmitter

- Detect imminent jet flooding and measure columns full load with remote process insights and predictive alerts
- Stable in excessive temperature variations with no need for heat tracing insulation and other complicated practices

[www.Emerson.com/DPLLevel](http://www.Emerson.com/DPLLevel)



## Rosemount Magnetic Level Technology

The Rosemount 9935 Level Bypass Chamber:

- Allows external mounting of process level instrumentation, which enables isolation of the process for live maintenance
- Optimized for use with the Rosemount Guided Wave Radar, Non-Contacting Radar, and Vertical Level Switches

When used with a Rosemount 9930 Magnetic Level Indicator:

- Visual level indication to 100 ft. (30 m)
- Minimal leak points as compared to sight glasses

[www.Emerson.com/MagneticLevelTechnology](http://www.Emerson.com/MagneticLevelTechnology)

For more information, visit [Emerson.com/RosemountLevel](http://Emerson.com/RosemountLevel)

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