

Increase Safety with Proven Overfill Prevention Solutions from Emerson™

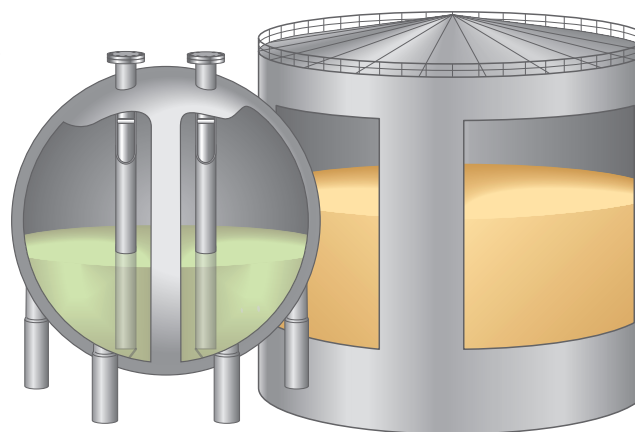
Preventing an
overflow starts with
proven solutions you can
trust.



Certified IEC 61508 Portfolio

Robust overfill prevention systems are essential in process and bulk liquid storage vessels to ensure your plant complies with standards, and risk is reduced.

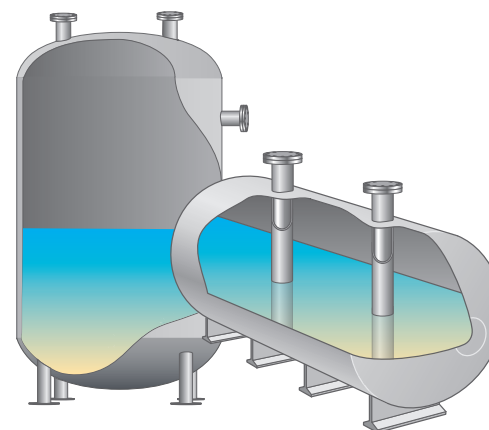
Emerson has the most comprehensive portfolio of safety certified solutions available. Designed for superior reliability and safety certified by a third party, our products support your vision for keeping people and the environment safe.



Flexible Process Plant Solutions

Process vessels come in all shapes and sizes and each application has its own challenges and specific requirements.

Emerson offers point and continuous level technology for reliable overfill prevention in all types of process fluids. Products are simple to configure and install into existing or new SIS loops without adding extra complexity.



Increasing Bulk Storage Safety

The Rosemount™ Tank Gauging system is the simplest way to become API 2350 and IEC 61511 compliant.

The system is scalable to ensure that you can comply with updated standards, today and in the future. Unique 2-in-1 technology enables independent process control and overfill prevention through a single inlet.

Proof-Testing and Diagnostics

Understanding what is happening in your tank is vital. Emerson overfill prevention solutions are equipped with powerful remote diagnostics to keep you informed from the safety of the control room.

Events in the process can be interrogated and devices present actionable alerts and data. Test the integrity of your overfill prevention device in seconds with unique, fully integrated proof-testing solutions.



“There are **hundreds** of tank spills of hazardous materials **every day**.”

United States Environmental
Protection Agency 2014

Our offering

Emerson supplies both point level detection and continuous level measurement products to provide certified overfill prevention solutions for process and bulk storage applications, and our team of experts can offer further advice and guide you through selecting the best overfill prevention solution.

	Rosemount 2120	Rosemount 2130	Rosemount 2140:SIS	Rosemount 5300	Rosemount 5408:SIS	Rosemount 5900C	Rosemount 5900S
							
	Point detection	Point detection	Point detection	Continuous measurement	Continuous measurement	Continuous measurement bulk storage applications	Continuous measurement bulk storage applications
SIL-rating	SIL 2 certified	SIL 2 certified	SIL 2 certified	SIL 2 certified	SIL 2 certified	SIL 2 certified	SIL 3 certified
SFF	91.1%	95.2%	97.7%	91.5%	92.7%	>90.9%	>99% (2-in-1 option)
λDU (FIT)	24	17.5	13	94	79	193	16 (2-in-1 option)
Proof-test	Local, in-situ	Local, in-situ	Local and remote, in-situ	Remote, in-situ	Remote, in-situ	Remote, in-situ	Remote, in-situ
P/T ratings	-40 to 302 °F (-40 to 150 °C) 1450 psi (100 bar)	-94 to 500 °F (-70 to 260 °C) 1450 psi (100 bar)	-94 to 500 °F (-70 to 260 °C) 1450 psi (100 bar)	-320 to 752 °F (-196 to 400 °C) 5000 psi (Full vacuum) (345 bar)	-76 to 482 °F (-60 to 250 °C) 1450 psi (100 bar)	-40 to 158 °F (-40 to 70 °C)	-40 to 158 °F (-40 to 70 °C)
Description	Simple, cost effective, and flexible overfill prevention suitable for most liquid types.	Flexibility of Rosemount 2120, suitable for more challenging conditions.	Next generation point level overfill prevention with smart diagnostics and remote functionality.	Market leading guided wave radar with state-of-the-art reliability and safety features and powerful built-in diagnostics.	Local memory enables full insight into the last seven days of measurements, alerts, and echo profiles. Immune to intermittent power loss.	For continuous surveillance in bulk storage applications.	1-in-1 and 2-in-1 functionality with custody transfer approvals. 2-in-1 enables combined basic process control and overfill prevention in a single device.

Trust is the basis for everything. Learn more: [Emerson.com/OverfillPrevention](https://www.emerson.com/OverfillPrevention)

Emerson Automation Solutions
8200 Market Boulevard
Chanhassen, MN 55317 USA
T (U.S.) 1-800-999-9307
T (International) (952) 906 8888
F (952) 906 8889

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