

Total Tank Protection Inside and Out



Fully integrated solutions for advancing safety, emissions control,
and maintaining product integrity.



Overcome Operational Challenges

Mismatched and incompatible multi-vendor systems have long been an obstacle for companies seeking total tank protection, putting employee safety, asset protection, and product integrity at risk. Regulatory compliance tied to emissions control and environmental protection also becomes increasingly difficult, and often costly to achieve.

Turning such complex challenges into simple, integrated solutions that increase safety and reduce risk requires uncompromising application experience and expertise.

Emerson helps you overcome operational challenges inside and out, with Single Solution Protection.



Total Tank Protection from a Single Source



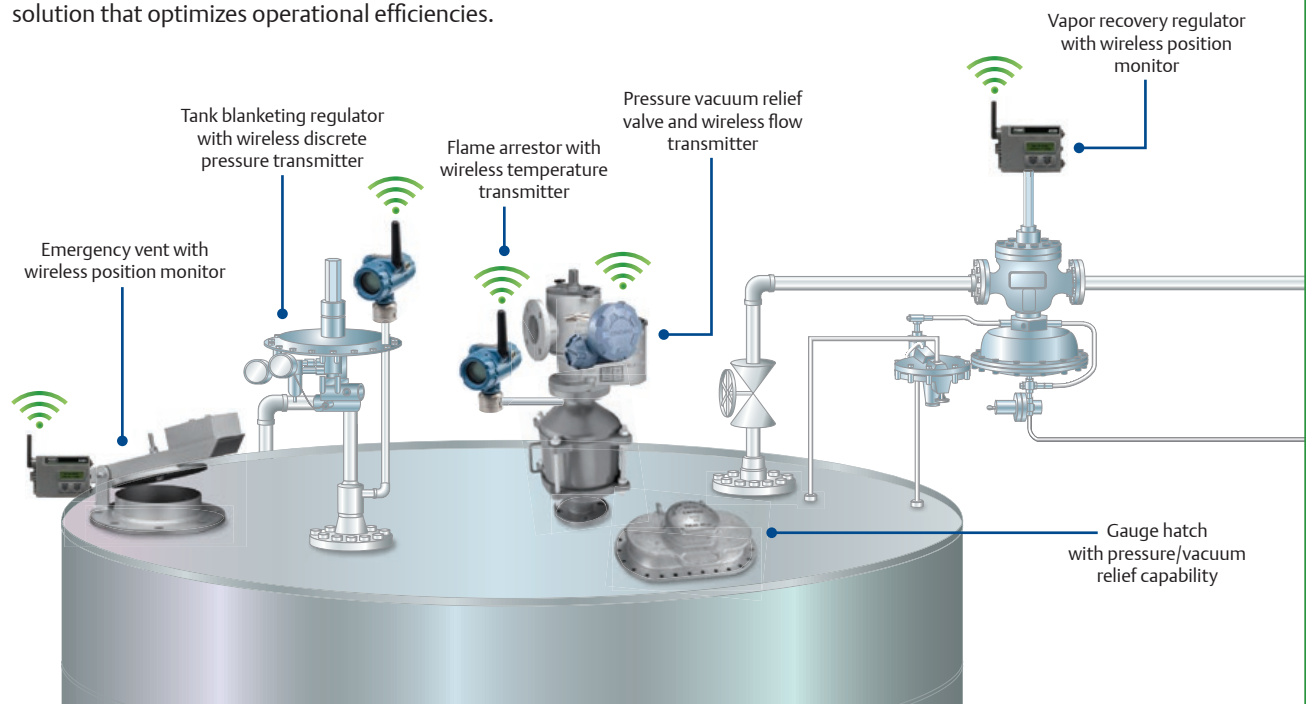
Emerson Single Solution Protection teams industry-leading tank blanketing and vapor recovery regulators with top-rated flame arrestors, pressure-vacuum relief valves, emergency vents, and tank hatches to deliver seamless compatibility. It's the latest step in our ability to provide the widest possible array of environmental protection and safety equipment, expertise, and unparalleled service across a full range of oil and gas, chemical, and other industries worldwide.

Achieve optimal safety for your employees, assets, and products around the globe with fully integrated solutions from Emerson, your single source for total tank protection.

Integrated, scalable solutions to fit your specific needs

What solution is right for you?

Rely on our expertise to help you create a total tank protection solution that optimizes operational efficiencies.



Safety First

Emerson tank blanketing solutions and emergency prevention devices increase employee safety and provide optimal asset and product protection. Our expert staff works collaboratively with you to achieve total system compatibility and effective emergency preparedness.

Manage Pressure

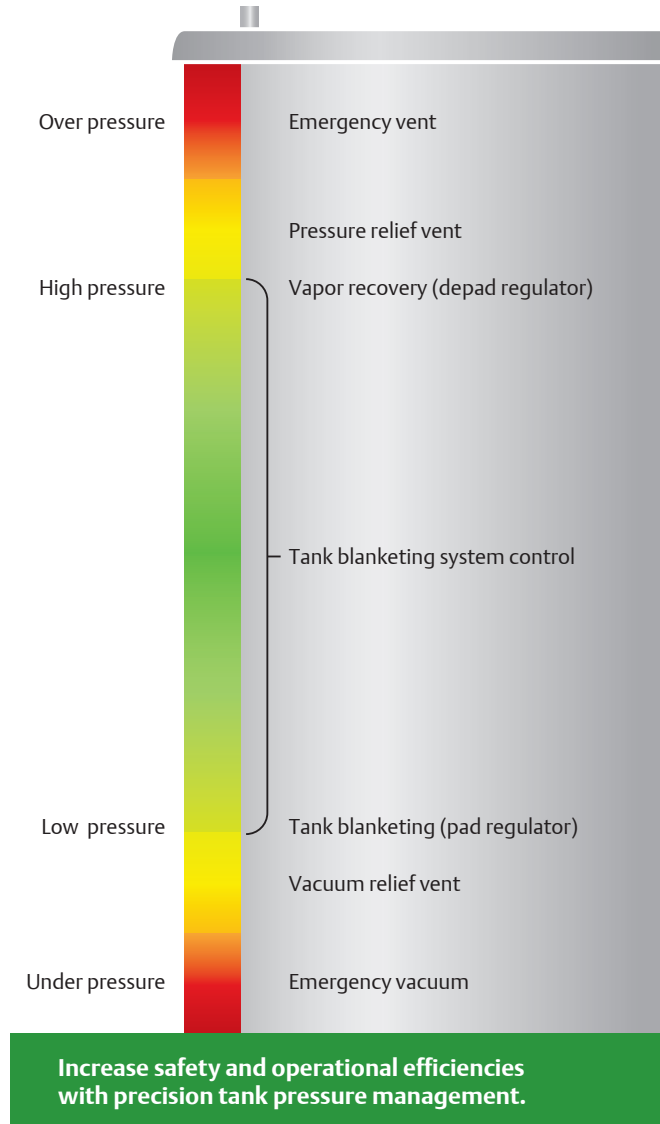
- Maintain optimal tank pressure to prevent tank damage or failure
- Ensure all system pressure set points are correct and compatible

Manage Oxygen

- Blanket tanks with inert gas to control oxygen levels, reduce contamination, and maintain product integrity
- Reduce oxygen levels to minimize safety risk
- Minimize use of inert gas with low pressure set point regulators
- Maintain product integrity and reduce chance of contamination

Manage Emergencies

- Install emergency vents for added protection in the event of external fire, equipment failure, or abnormal conditions
- Install flame and detonation arrestors to:
 - Minimize or prevent fire and explosion damage to protect equipment
 - Improve safety, reduce emergency costs, and protect against personal injury



Low Cost-to-Protection Ratio

Protecting your investment with proper venting and safety equipment costs only a fraction of total capital expenditure required for building and installing storage tank facilities.





Reduce emissions, limit product loss, and protect the integrity of the products in your tanks.

Emissions Control

Emerson pressure relief valves and vapor recovery regulators reduce emissions, limit product loss, and improve regulatory compliance. Our experienced staff works proactively to help you stay ahead of changes in emissions controls and environmental regulations.

Manage Relief Pressure

- Minimize emissions with accurate and highly sensitive relief pressure control

Manage Emissions

- Reduce leakage, emissions, and product loss with tighter seals

Manage Vapor Recovery

- Optimize vapor recovery efficiency to reduce emissions, improve regulatory compliance, and avoid or reduce potential fines



In 2013, EPA cases resulted in criminal sentences requiring violators to pay more than \$4.5 billion in combined fines, restitution, and court-ordered environmental projects that benefit communities, and more than \$1.1 billion in civil penalties.

– U.S. EPA. *Enforcement Annual Results for Fiscal Year (FY) 2013*

- ▶ Reduce your risk by lowering emissions and accurately managing relief pressure.

Asset Protection

Emerson total tank protection helps avoid unexpected equipment failures that cost you time and money to repair, and put the integrity of your tanks and their contents at risk.

Product Integrity

Emerson tank blanketing solutions protect the integrity of a wide range of low- and high-pressure gaseous and liquid assets.

- Minimize oxidation to reduce contamination and maintain product integrity
- Maintain a slight positive pressure to keep contaminants from entering through tank imperfections

Tank Protection

Emerson delivers integrated solutions to protect and extend the life of your hard assets. We offer a range of tank protection products, from flame and detonation arrestors that satisfy API 2000 guidelines, to wireless monitoring and diagnostic devices.

- Extend asset life and reduce asset failure cost effectively
- Promote proactive tank maintenance
- Maximize uptime, minimize downtime