

Prepare for the National Compliance Initiatives with Emerson



Addressing the need for greater emissions control

Tightening emissions regulations

The United States Environmental Protection Agency (EPA) has announced their priorities for enforcement and compliance assurance outlining 6 key national compliance initiatives three of which target emissions. Are your tanks prepared?

- Improving air quality: Creating cleaner air for communities by reducing excess emissions of harmful pollutants from stationary sources
- Reducing risk from hazardous chemicals: Reducing risks of accidental releases at industrial and chemical facilities
- Lowering contamination: Tight-sealing vacuum protection reduces unwanted ingress of atmospheric medias

Source: EPA announces FY 2020-2023 Priorities for Enforcement and Compliance Assurance

Low pressure venting solutions

Emerson's portfolio offers the broadest offering with best-in-class leakage performance to help you meet your emissions goals. Each seal interface has been engineered and endurance tested to exceed industry standards. For example, the Enardo ES-850 and ES-950 can achieve a maximum leakage rate of 0.10 SCFH at 90% of setpoint versus the industry standard of up to 5.0 SCFH at 75% of setpoint per API 2000 Table 10. The result is dramatically reduced fugitive emissions, decreased risk of fines and higher purity product in your tanks.



Varec 2020



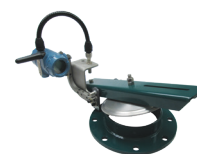
Varec™ 2010



Enardo ES-850



Enardo ES-950



Enardo™
Model 2000 with Smart
Wireless Monitoring



Anderson Greenwood™ 4040



Anderson Greenwood 9300
with Wireless Monitoring



Take control of tank pressures with Emerson vents and valves

Pressure / Vacuum Relief Vents



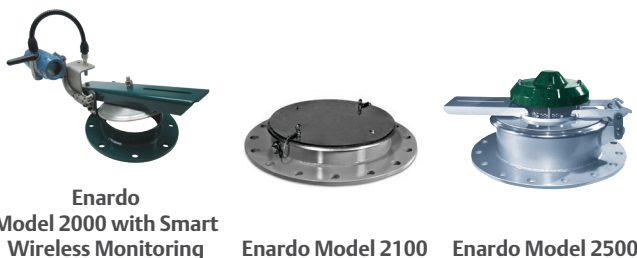
Varec 2010

Enardo ES-850

Enardo 950 with Smart Wireless Monitoring

- Ultra-tight pressure and vacuum emissions performance with Varec exceeding 1.0 SCFH at 90% of set point and Enardo as low as 0.10 SCFH at 90% of setpoint to control emissions and product loss
- Standard stainless steel trim offers superior corrosion and severe service capabilities
- Wired and wireless proximity option monitors both pressure and vacuum events

Emergency Relief Vents



Enardo

Model 2000 with Smart Wireless Monitoring

Enardo Model 2100

Enardo Model 2500

- Tight pressure and vacuum emissions performance of 1.0 SCFH at 90% of setpoint to control emissions and product loss
- Model 2500 integrates high-flow vacuum relief
- Wired and wireless proximity option alerts to emergency relief events

10% Overpressure Vents



Anderson Greenwood 4020

Anderson Greenwood 4040

- Fully open at 10% overpressure allowing for leak free higher operating conditions on both pressure and vacuum conditions
- Air cushion seating design keeps vent sealed tightly until pressure or vacuum setting is reached
- High lift opening action provides maximum capacity per vent line size

Pilot-Operated Pressure Relief Valves



Anderson Greenwood 9300 with Wireless Monitoring

Anderson Greenwood 9300H

- Capable of providing zero seat leakage when operating as close as 97% of set pressure
- Fully open at 0% overpressure when pilot is set for pop action
- Modulating pilot action available to minimize release of tank contents to atmosphere while providing full lift at 10% overpressure
- Wireless pressure monitoring option to track event timestamps and volumetric release
- Balanced against back pressure provides ability to route tank contents to containment without sacrificing performance

ANDERSON GREENWOOD™ ENARDO™ VAREC™

Emerson Automation Solutions

Americas

T +1 800 558 5853
T +1 972 548 3574

Europe

T +39 051 419 0611

Asia Pacific

T +65 6777 8211

Middle East / Africa

T +971 4811 8100

- ✉ webadmin.regulators@emerson.com
- 🔍 Emerson.com
- 📘 Facebook.com/EmersonAutomationSolutions
- 🌐 LinkedIn.com/company/emerson-automation-solutions
- 🐦 Twitter.com/emr_automation