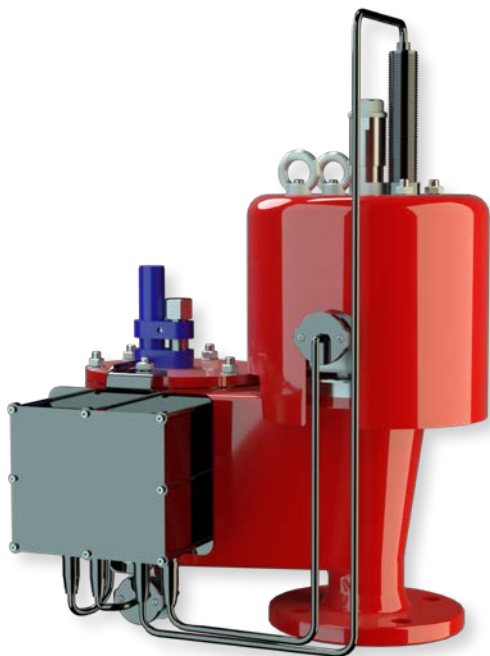


PROTEGO® Valve Smart Sensor Technology Emissions & Valve Condition Monitoring

NEW



PROTEGO® Valves can be transformed into intelligent, connected components through targeted smart sensor technology. Continuous monitoring of valve health and emissions helps reduce product loss, minimise unplanned maintenance, and support the safe operation of tank farms.

Turn PROTEGO® Valves into intelligent assets that:

- Continuously verify emission performance
- Detect developing faults early and avoid fines from the AHJ (Authority Having Jurisdiction)
- Provide auditable compliance data
- Reduce OPEX by optimising routine maintenance

PROTEGO® Core Technologies

KEY BENEFITS

- Early detection of leaking or malfunctioning valves
- Continuous, real time emission monitoring
- Reduction of fugitive emissions and blanketing gas loss
- Fast identification of unwanted release scenarios
- Optimised maintenance cycles (from reactive to proactive)
- Extended valve service life
- Improved tank and asset availability
- Compliance with emission regulations
- Reduction of OPEX
- Independent third party approval for use in ATEX zones
- Battery-powered stand-alone solution with no external power supply required
- Hardware sensors, edge gateway, and customer interface delivered from a single provider

MAGNET-LIFT SENSOR

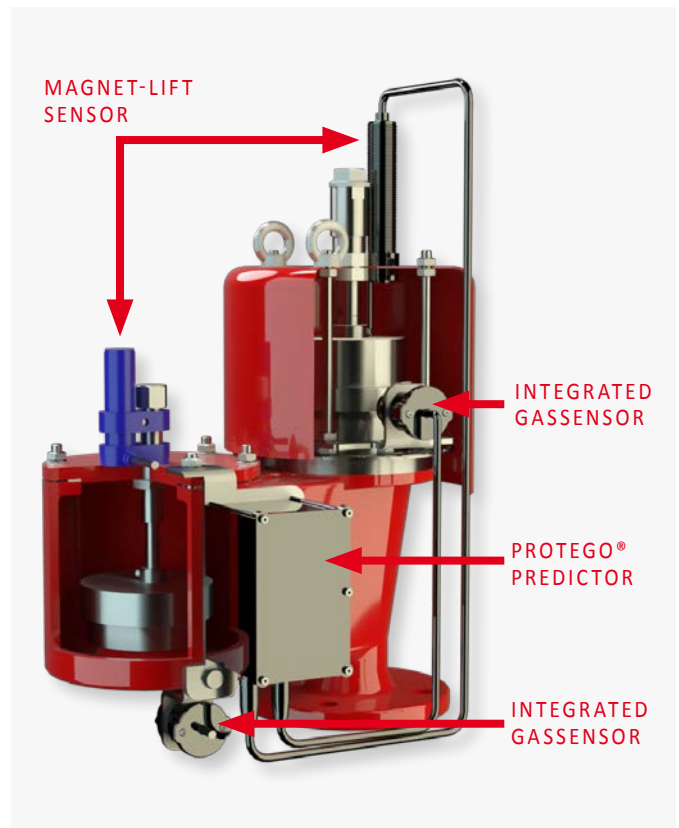
- Contactless, direct measurement on overpressure and vacuum side
- Stroke measurement accuracy: 0.1 mm
- Precise flow rate calculation is guaranteed

INTEGRATED GAS SENSOR

- Detects hydrocarbons and ammonia in the ppm range
- Monitorings of vacuum side and pressure side

EDGE INTELLIGENCE & CONNECTIVITY

- Collects and processes sensor data locally
- Calculating flow rate based on valve stroke
- Battery powered for easy retrofit
- Bluetooth Low Energy connection to a gateway
- Data available locally or securely transmitted to the cloud



Transform PROTEGO® Valves into smart assets that continuously verify valve performance, detect emerging faults at an early stage, provide auditable data for your compliance requirements, reduce emissions to a bare minimum and protect people and the environment.

PLEASE CONTACT US FOR SUPPORT!

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