Collect atmospheric leakage and detect seal failure

Reducing emissions into the environment is the top priority for any mechanical seal. Having a system that can collect emissions and detect seal failure can improve environmental impact and reduce maintenance costs.

A standardized Plan 65 system

The Flowserve N65 leakage collection and detection system is designed for general industry and is used with single mechanical seals on process fluids that condense at ambient atmospheric conditions. Mechanical seal failure can be detected when an excessive flow rate into the system increases the fluid level in the reservoir.

The N65 system has two standard configurations:

- N65A: normal seal leakage passes through an orifice to a drain, while excess leakage collects in the reservoir to be detected by instrumentation
- N65B: normal leakage collects in the reservoir with a closed valve for disposition by maintenance operations

In the event of a seal failure, high liquid level in the reservoir is detected by a level transmitter or switch.

Features and benefits

- Maximum absolute working pressure (MAWP) 27.6 bar at 149°C (400 psi at 300°F)
- Ambidextrous mounting options for easy installation
- Designed with standard 3 liter (0.79 US gallon) effective volume
- All stainless-steel construction for superior corrosion protection
- Low-cost and easy-to-install standard NPT connections and construction
- Pre-configured switch selections for reduced lead-time
- Designed in accordance with ASME VIII.1 with optional U-stamp
- Optional PED and CRN compliance
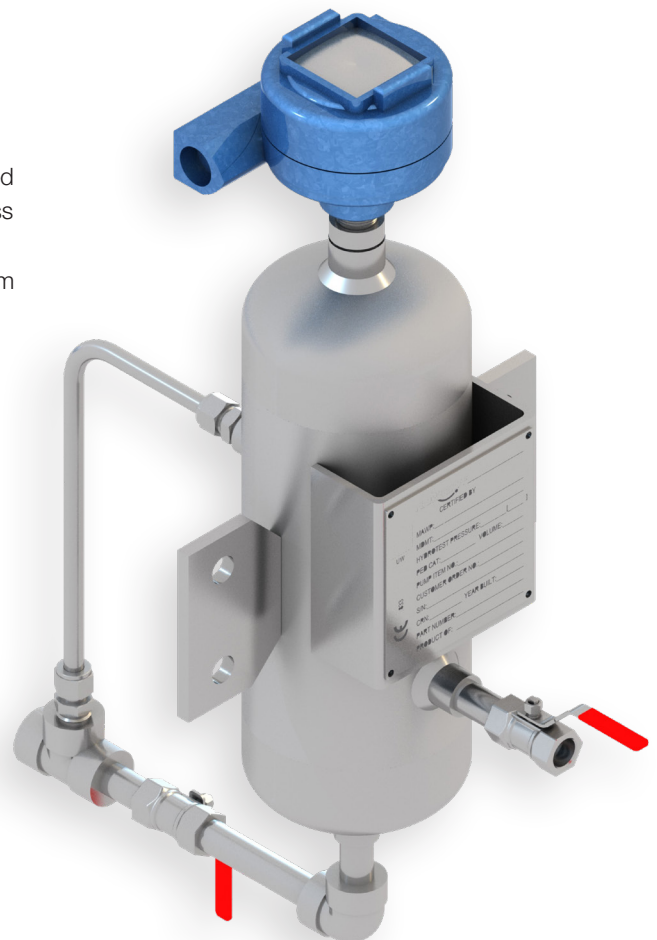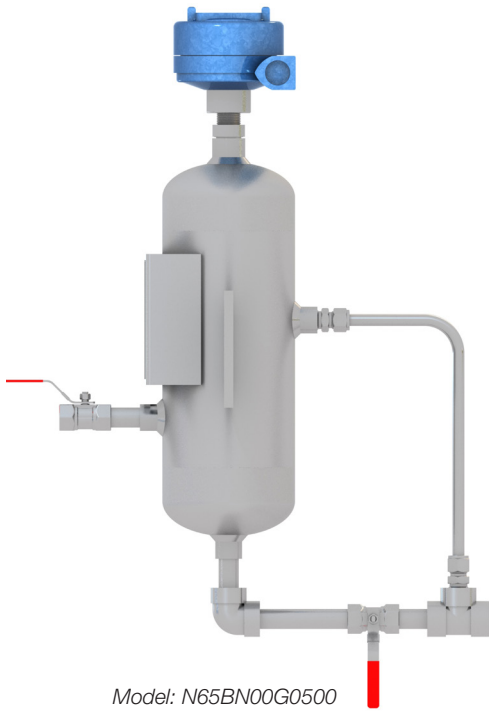
Model: N65BN00G0500

	Industry	Model	Construction	Instrument Options	Certifications	Reservoir Examination
Example: N65BN00G0500	N	65B	N00	G05	0	0

N: Pressure vessel for general industry (non-API)

65A
65B

N00: NPT, threaded system SA-312 TP 316/316L

See menu drawing for available transmitter and switch options.

0: Standard with no pressure vessel certification
P: With PED certification
U: With ASME U-stamp
C: With CRN certification

0: Standard with no reservoir examination
1: With LPI (liquid penetrant inspection)
2: With PMI (positive material inspection)
3: With LPI and PMI

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