

PROTEGO® Level Monitoring of Diaphragm Valves

SMART LEVEL SENSING FOR

- ENHANCED SAFETY
- BETTER CONTROL
- REDUCED OPEX
- REGULATORY COMPLIANCE



EASY TO RETROFIT, IMMEDIATE BENEFITS

Replacing existing mechanical floating level indicators with capacitive level sensors requires minimal effort and provides continuous liquid level control.

The PROTEGO® sensor monitoring kit (adapter, sensor, flat gasket) offers numerous advantages and reduces your OPEX by optimizing routine maintenance.



Capacitive level sensors

Fast and easy replacement existing level indicators with capacitive level sensors

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SENSOR DATA AND OPERATING CONDITIONS

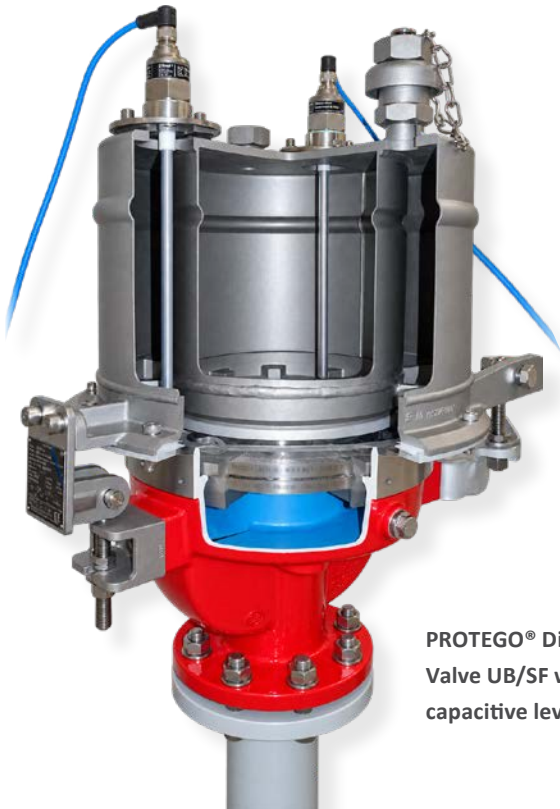
- ATEX approval : Ex II G Ex ia IIB T4 Ga
- Supply voltage: 9 ... 30 V DC
- Output signal: 4 ... 20 mA (additional outputs available upon request)
- Electrical connection: M12x1 circular connector, 4-pin
- Rod electrode: FEP-coated, for electrically conductive liquids
- Media temperature: -40 °C to +200 °C
- Ambient temperature: -40 °C to +75 °C (limited in each case by the maximum operating temperature of the diaphragm valve, which ranges from -40 °C to +60 °C)
- Protection class: IP67
- Length: Depends on the diaphragm valve type
- Set pressure: Standard starting at ± 10 mbar; for lower set pressures please contact us
- Liquid load: 1:1 mixture of water and 1,2-ethanediol (other fluids possible after testing)

YOUR BENEFITS

- 1:1 replacement of existing level indicators with capacitive level sensors
- Retrofit kit for existing systems
- Precise, continuous level measurement
- Remote monitoring via the process control system
- Automatic alerts in case of level deviations
- Optimized maintenance intervals through improved system monitoring
- Immediate detection of a diaphragm rupture
- Optimizing spare part and maintenance cost
- Easy integration thanks to a standardized 4...20 mA signal
- Reliable display regardless of the density of the liquid being measured
- Wireless level measurement available upon request
- Version with display for local indication available upon request

Take advantage of modern level sensor technology today—for more safety, transparency, and cost-effectiveness

Contact us for consultation, retrofitting, or a customized quote.



PROTEGO® Diaphragm Valve UB/SF with capacitive level sensors

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