

Wedeco OptiDetect

UV QUARTZ SLEEVE BREAKAGE DETECTION SYSTEM
FOR COMPLIANT AND SAFE WATER TREATMENT OPERATIONS

The Wedeco OptiDetect is an innovative quartz sleeve breakage detection system that notifies any quartz sleeve breaches within one second of rupture. This alert is on whether the UV system is in operation or in stand-by mode. Truly 24/7, it provides the opportunity to take immediate action to prevent the danger of shards or debris flowing through the pipework and causing further damage to your UV system and other equipment.

Wedeco's OptiDetect is designed to deliver round-the-clock quartz sleeve breakage safety notification giving users peace of mind and increased protection and smooth operation.

OptiDetect delivers increased protection and peace of mind for the event of a quartz sleeve damage:

- Instantaneous detection of a quartz sleeve rupture.
- Alarm to site control system within 1 second of sleeve breakage, enables taking immediate actions such as closing valves or stopping pumps to shut off the water flow.
- Prevention of any material contamination entering the downstream treatment systems.
- OptiDetect can be integrated into overall site control systems to allow remote monitoring.
- A separate control loop makes OptiDetect independent of reactor in operation or standby mode.
- OptiDetect also works during maintenance and under zero-flow conditions.
- OptiDetect can be supplied with new systems as standard, regardless of lamp orientation.
- Installation and commissioning without interrupting or taking systems out of operation and offline.
- Ability to be retrofitted to the majority of Wedeco's closed vessel UV disinfection systems.

YOUR TOP 7 ADVANTAGES:

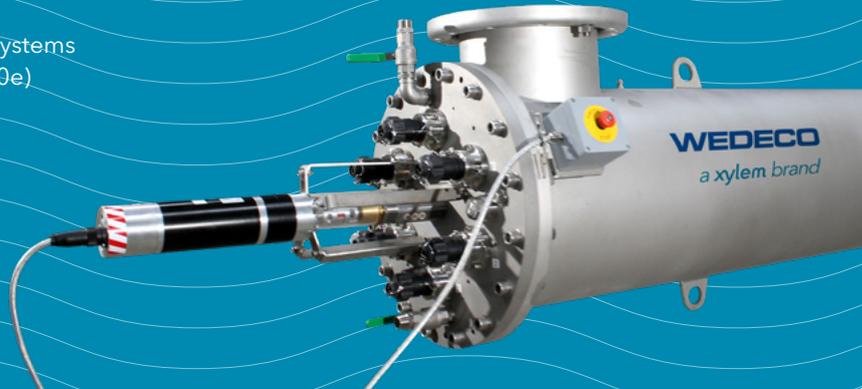
1. Reliability of operation
2. Prevention of possible damage to the UV system
3. Immediate response in case of quartz sleeve breakage
4. Alarm to the SCADA system within 1 second
5. Functional during operation, standby or maintenance modes
6. OptiDetect is a maintenance free system
7. Disinfection certification and regulatory compliance remain valid

WEDECO
a xylem brand

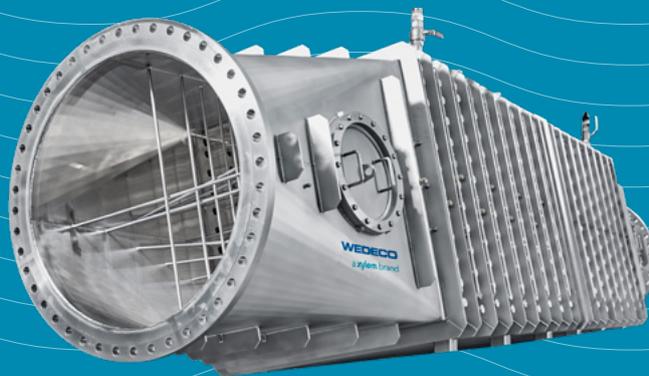
Wedeco OptiDetect QUARTZ SLEEVE BREAKAGE DETECTION SYSTEM

Wedeco's OptiDetect can be installed with various closed vessel UV disinfection systems:

Drinking water disinfection systems
Spektron e series (30e - 6000e)
BXe series (80e - 400e)



K 143 systems



Waste water disinfections systems
LBXe series (90e - 1500e)

