



# ALW-Liedgens

## Installation and Operating Instructions

### ALW-Decompression Detectors, Solenoid Valve and Filter for Type 500





# Installation and Operating Instructions

## ALW- Decompression Detector Installation Instructions

The Decompression Detectors are replaced with the Casing Cover. The switchboxes are installed on the back of the mounting plates and the cables of each two alarm units in a switchbox are wired.

## ALW-Decompression Detector Operating Instructions

Each Decompression Detector is individually adjustable by the orange colored lever. Switching point check: Switching contact audibly and controllably by measuring instrument. The switching hysteresis amounts to approx. 10%. Switching Capacity: A/V 2/250 VDE examined.

### Model.1

*Close at decompression:*

1. *Open recirculation control valve completely.*
2. *Adjust flow control valve to setpoint and set number 1.*
3. *Close recirculation control valve to the switching point.*

*Open at increase of pressure:*

*Adjust like before, then open the recirculation control valve until switching point is free again.*

### Model.2

*Open at decompression:*

1. *Open recirculation control valve completely.*
2. *Adjust flow control valve to setpoint.*
3. *Close recirculation control valve to the switching point.*

*Close at increase of pressure:*

*Adjust like before, then open the recirculation control valve until switching point is free again.*



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## Filter Installation Instructions

Screw the flow control valves at the controll devices. Not necessary for Type 500.3 and 500.4  
Unscrew Angle-hose-grommet -if existing -, put on sealing ring carefully, screw on the filter and screw the angle-hose-grommet on again. Then screw in the flow control valves again. Please pay attention that the Fibergaskets are inserted correctly under the control valves.

## Filter Insert Change

Open the cover of the filter and take out the dirty filter insert. Unscrew the drain plug, clean and rinse the cup, screw the drain plug in again. Put in the new filter insert, push the backing plate in control and close the filter cover.

## Solenoid valve Installation Instructions

Please pay attention that the solenoid valve corresponds to the control voltage of the machine. In de-energized condition the solenoid valve is always closed. Check the control current first by malfunction of the solenoid valve. Close the water flow, change the filter and unscrew the Insert socket which is located under the solenoid base 5mm. Clean the insert and screw in again. Please pay attention to the correct seating of the seal ring.