



## **Operating Manual** **For Pneumatic Control Units**

**Control Panel Type AW 3370**  
**with Seperate Air Pressure Vessel Type AW 3384**  
**Control Locker Type AW 3380**

### **1. Technical Data**

Max inlet pressure:	30 bar
Max. control pressure:	6-8 bar
Recommended operating medium:	compressed air, dried, filtered and oiled

#### Destined Conditions of Use

The control panel with separate air pressure vessel as well as the pneumatical control locker (hereinafter referred to as pneumatic control units) respectively allows the remotely controlled actuation pneumatic operated ARMATUREN-WOLFF quick-closing / quick-opening valves.

By operating the 3/2 way control valve (turn-over of the lever) the pneumatic pressure releases the valves via the connected control pipes.

For not handling in conformity with the conventional handling of the pneumatic control unit as described herein, the producer will not grant for any kind of warranty.

### **2. Safety**

#### Safety at Work Remarks

- The pneumatic control units are produced in accordance with the state of the art and will be reliable by competent installation.  
The assessment of the operational safety within the entire system is to be made by the manufacturer of this system.
- Every person that mounts or maintains these system components has to read and understand this operating manual and its safety advices.
- Arbitrary alterations and changes result in a loss of warranty.
- Pneumatic control systems from ARMATUREN-WOLFF are made to implement actuation procedures at quick-closing or quick-opening valves from ARMATUREN-WOLFF.



### **3. Function of the Pneumatic Control Units**

The compressed air inside the built –in pressure vessel (30 bar) will be reduced down to 6-8 bar by means of a pressure reducing valve which is mounted on the control panel. After the operation of the 3/2 ways control valves (as well mounted on the control panel) the air is transferred to the actuation-cylinders of the valves. The stem with disc (pre-stressed by a spring) is thereby released and the quick-closing valve closes rapidly. Correspondingly opens the quick-opening valve.

The air pressure vessel is equipped with a pressure switch to control the inner pressure. The outgoing signal for low pressure has to be routed at a continuous occupied station, so that the failure could be noticed and corrected immediately.

At a breakdown of the compressed air supply resulting in insufficient compressed air within the air bottle, a manual refilling is possible by a manual compressor (Pos. 18 at the air pressure vessel, usually not in scope of supply).

### **4. Maintenance**

ARMATUREN-WOLFF recommends to check the function of the system in regular intervals between one and three month to ensure the function in case of emergency.

A periodic maintenance should take place in the maintenance book of the ship.