

drukodrain

Installation and service instruction

Installation:

as shown on the pictures at the left hand side, the installation is possible at all points of condensate collection to remove condensate.

Positioning:

Condensate collector (1/2"), with built in ball valve and dirt trap, shall be positioned vertically. The solenoid with sequencer can be positioned in various options by rotating the unit (if required).

Electric connection:

The drukodrain is supplied with connection cable, approx 2m, and plug (230V/50Hz). Just connect to power and the drukodrain is ready for operation. For additional electric data see name plate on sequencer and coil of the solenoid.

Adjustment:

The sequencer of drukodrain offers two options

a)

1. **bar** -for gauge pressure (this is to adjust the working pressure)
2. **m³/min** -for free air delivery (FAD) of upstream installed compressor- dryer units

b)

1. **"minutes"** - for the time interval
2. **"seconds"** - for the opening duration

Now the sequencer is programmed, that the drukodrain is opening as often as required but with minimum switching.

- **this ensures unnecessary switching sequence**
- **compressed-air loss is minimised**

Maintenance:

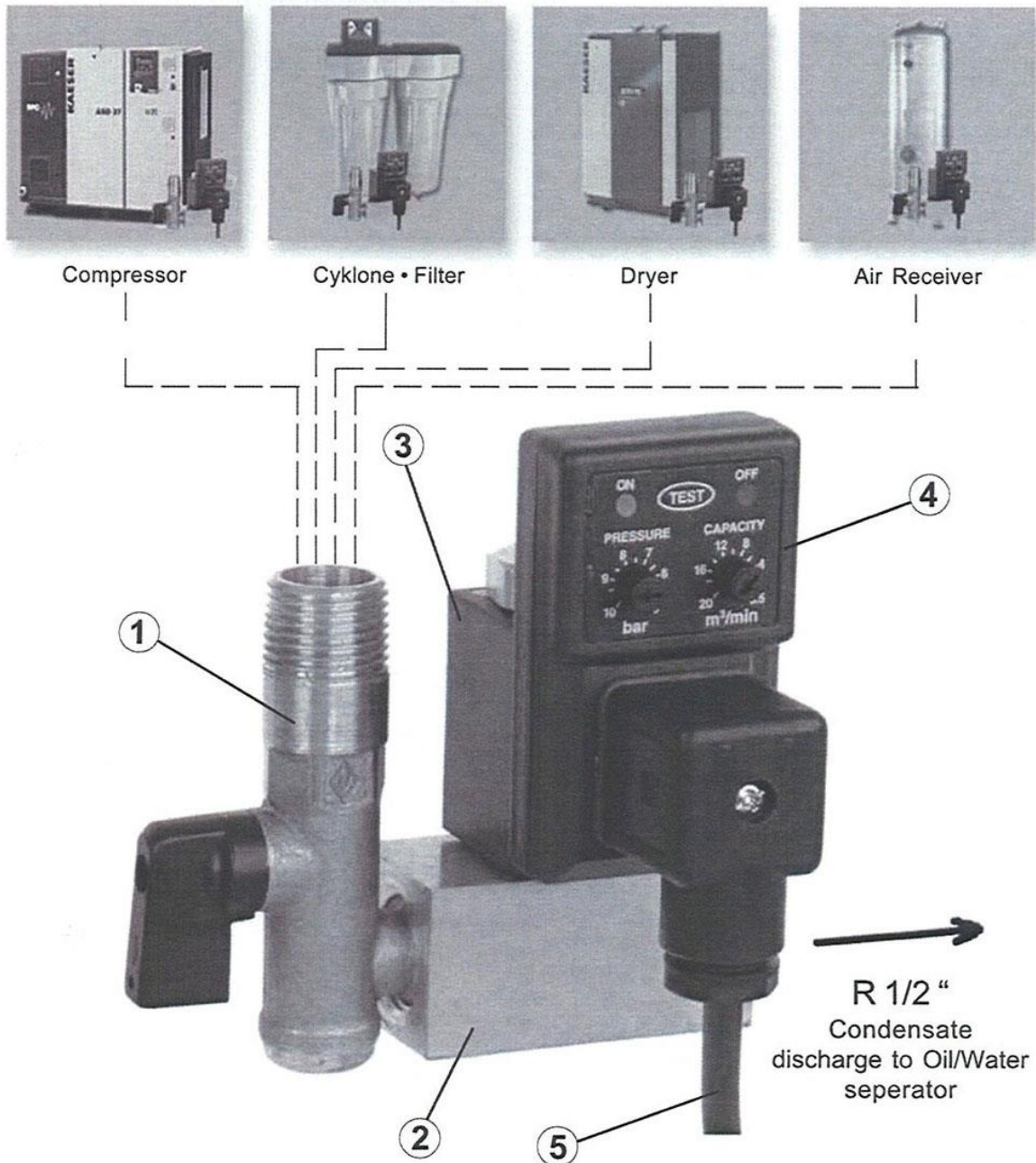
By using a dirt trap up stream of the collector, the drukodrain is protected and works reliable without problems. Once a week it is recommended to press the „TEST“ button on the solenoid to check the function of drukodrain. To check the drukodrain please follow these steps:

- Switching of the solenoid and discharge of condensate or compressed air means the system is working
- Switching of the solenoid, you can hear the clicking of the coil, but no condensate or compressed air is discharged means the drukodrain is faulty
 - a) Solenoid is dirty
 - Disconnect from power (remove plug from power socket)
 - Open solenoid, clean and if necessary replace damaged parts (coil and spring)
 - b) Dirt trap in collector is clogged
 - Close ball valve
 - Press test button (to vent the solenoid)
 - use 16mm open spanner and loosen the plug, take out dirt trap clean it or replace with new one

Summary:

The drukodrain is installed many 1000's of times and has proven to be reliable system to remove condensate. It's design and functionality ensures safe reliable operation with minimum maintenance required.

Possible solution of installation



- ① Collecting chamber 1/2", with built in ball valve and dirt trap
- ② Direct controlled solenoid valve R1/2"
- ③ Coil
- ④ Sequencer to adjust time for opening cycle
- ⑤ 2m cable with plug

