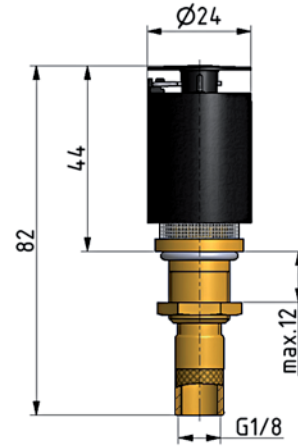


## Fitting- and Operating Instructions for Condensate Drain Valve AM10



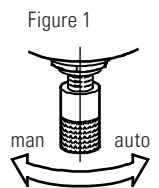
### Fitting notes

The devices including the drain valve must be fitted vertically (in relation to the bowl).

At a flow rate from 70 l/min the outlet of the AM10 closes and it works properly.

The minimum operating pressure for the AM10 is 1.5 bar; below 70 l/min flowrate. The AM10 NC (normally closed) is closed irrespective of the pressure.

In order to ensure the float (1) remains buoyant, the maximum operating pressure of 16 bar may not be exceeded. The automatic units may only be fitted to condensate bowls of  $\varnothing 14$  mm or other bowls (available on request). Manual drainage of the condensate is effected by turning the hand wheel anti-clockwise. For automatic operation, the drain screw (18) must be turned clockwise as far as it will go (Figure 1).



### Warning

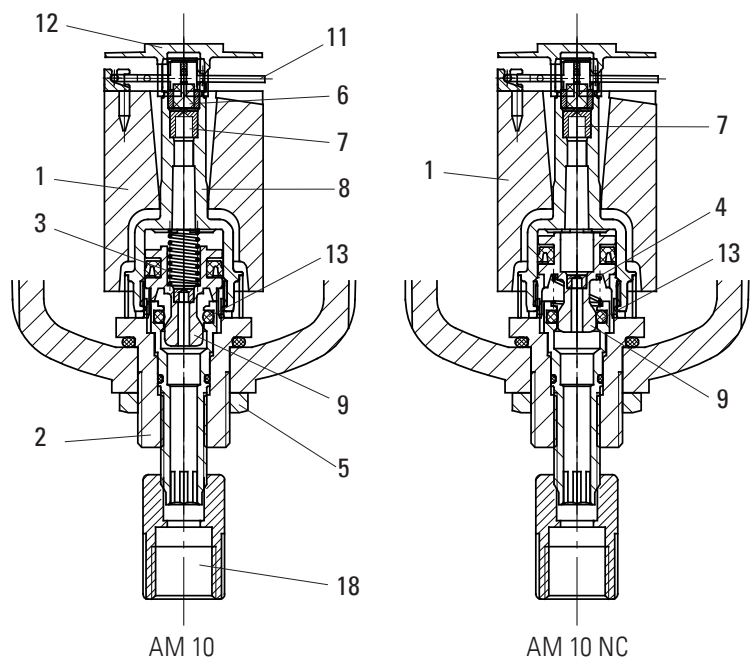
If the condensate is to be drained away by means of a hose (G1/8" connection), this should be of internal diameter no smaller than 6 mm. Hose length should not exceed 2,0 m (dynamic pressure). Concerning positioning of the hose a siphon-forming should be avoided. This might interfere the medium drainage.

### Function AM 10

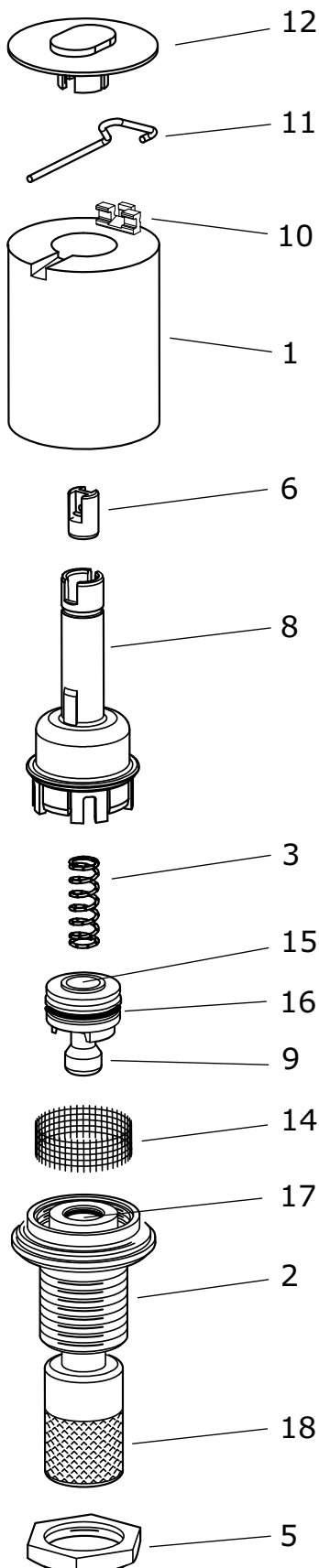
- On unpressurised bowls, the piston (9) is held in the open position by the pressure spring (3).
- When pressure is applied to the bowl, from 70 l/min on, the piston closes the drain aperture at the O-ring (13). For several AM10 in the system a higher flowrate is required. It depends on the number of AM10.
- As the condensate rises in the bowl, the float (1) is pushed upwards and opens the nozzle (7), allowing air to reach the top of the piston (9). This causes the piston to move downwards, opening the aperture at the O-ring (13) for drainage of the condensate

### Function AM 10 NC (normally closed)

- On unpressurised bowls, the piston (9) is held in the closed position by the pressure spring (4)
- As the condensate rises in the bowl, the float (1) is pushed upwards and opens the nozzle (7), allowing air to reach the top of the piston (9). This causes the piston to move downwards, opening the aperture at the O-ring (13) for drainage of the condensate.



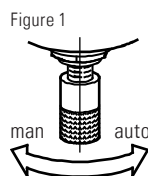
### AM 10



- Undo the nut (5) (SW17) and remove the condensate drain valve from the bowl.
- Hold the automatic unit in your hand. Hold the float (1) tight between your thumb and index finger. Tie / hold the drip cap (12) up out of the way. Lift the wire holder (11) out of the bearing (10) and draw it to one side out of the way. Lift the float (1) off. Remove the valve cone (6) from the clip holder (8)
- Remove the clip holder (8) from the base (2) (clipped on)
- Clean the washers (16, 17) and filters (14,15)
- Grease the washers (16, 17) with pneumatic grease.
- Reassembly is the reverse of the above. Make sure you note the correct position of the clip holder (8), float (1) and drip cap (12) ! The wide notches are opposite the fork bearing (10)

### Warning

Before first-time use, and after maintenance, you should check that the drain screw (18) on the base (2), has been turned clockwise as far as it will go! This gives automatic operation (Figure 1).



### AM 10 NC

