

## Auto Drain Valve



### Ordering Code

**TAD**  
Series

**402**  
Type  
402

**02**  
Pipe size  
02 : G1/4  
03 : G3/8  
04 : G1/2

- TAD402-02
- TAD402-03
- TAD402-04

### Applications

The special design of the TAD Series can eliminate the liquid water and oil collect in the lower chamber of air compressor, separator, air dryer, air filter, drop leg, etc. It can be installed in any position which is not convenient for manual drain, or needs more compressed air and more time of drain.

### Technical Parameter

Specification	TAD402-02	TAD402-03	TAD402-04
Proof Pressure	1.5MPa		
Applicable Pressure	0.15 ~ 1.0MPa		
Medium Temperature	0 ~ 60°C		
Outfall Size	G1/4	G3/8	G1/2
Applicable Medium	Air		

### Graphics Sign



### Operation Principle

When no pressure is applied internally to case, float ⑤ descends of its own weight and valve ③ closes chamber hole ⑥. Piston ⑧ is pushed down by spring ⑪, and the drainage passes through the chamber's elongated hole ⑫ to be discharged.

When pressure is applied internally to the case:

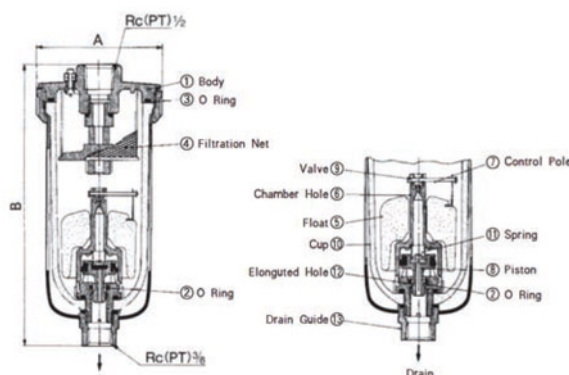
When pressure is greater than 0.1MPa, it overcomes the force of spring ⑪, allowing piston ⑧ to ascend, and the chamber's elongated hole is closed. Thus, the inside of case is isolated from the outside. When drainage has accumulated:

Float ⑤ ascends due to flotation and opens the chamber hole ⑥, allowing the pressure to enter the chamber hole ⑥. Piston ⑧ descends due to the force of the internal pressure and spring ⑪, and the accumulated drainage is discharged through drain guide ⑬.

### ZDFS Auto Drain Valve

It is installed in the bottom of auto drain, air filter and filter regulator. It can automatically eliminate condensate collect in lower chamber. Notice: Installed vertically and outfall downward.

### Figure Dimension



Type	TAD402-02	TAD402-03	TAD402-04
A	φ 82	φ 82	φ 82
B	182	182	182



● TAD-ZDFS



● TF2000-ZDFS



● TF3000-ZDFS  
● TF4000-ZDFS