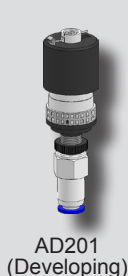


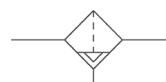
AD201~401 series



Feature

- Continuous and automatic discharge of filtered moisture from compressed air
- Easy piping connection by installing a one-touch fitting on the drain
- Manual ejection function is included so that manual ejection is possible if the device is abnormal or necessary

Symbol



How to order

AD 201 -

① ② ③

① Model

AD	Auto drain kit
----	----------------

② Body size

201	Rc(PT) 1/4"(Developing)
301	Rc(PT) 3/8"
401	Rc(PT) 1/2"

③ Drain

Nil	Push type(standard)
MH	Handle type

※ For differential pressure auto drain of models 201 and 231, contact the head office.

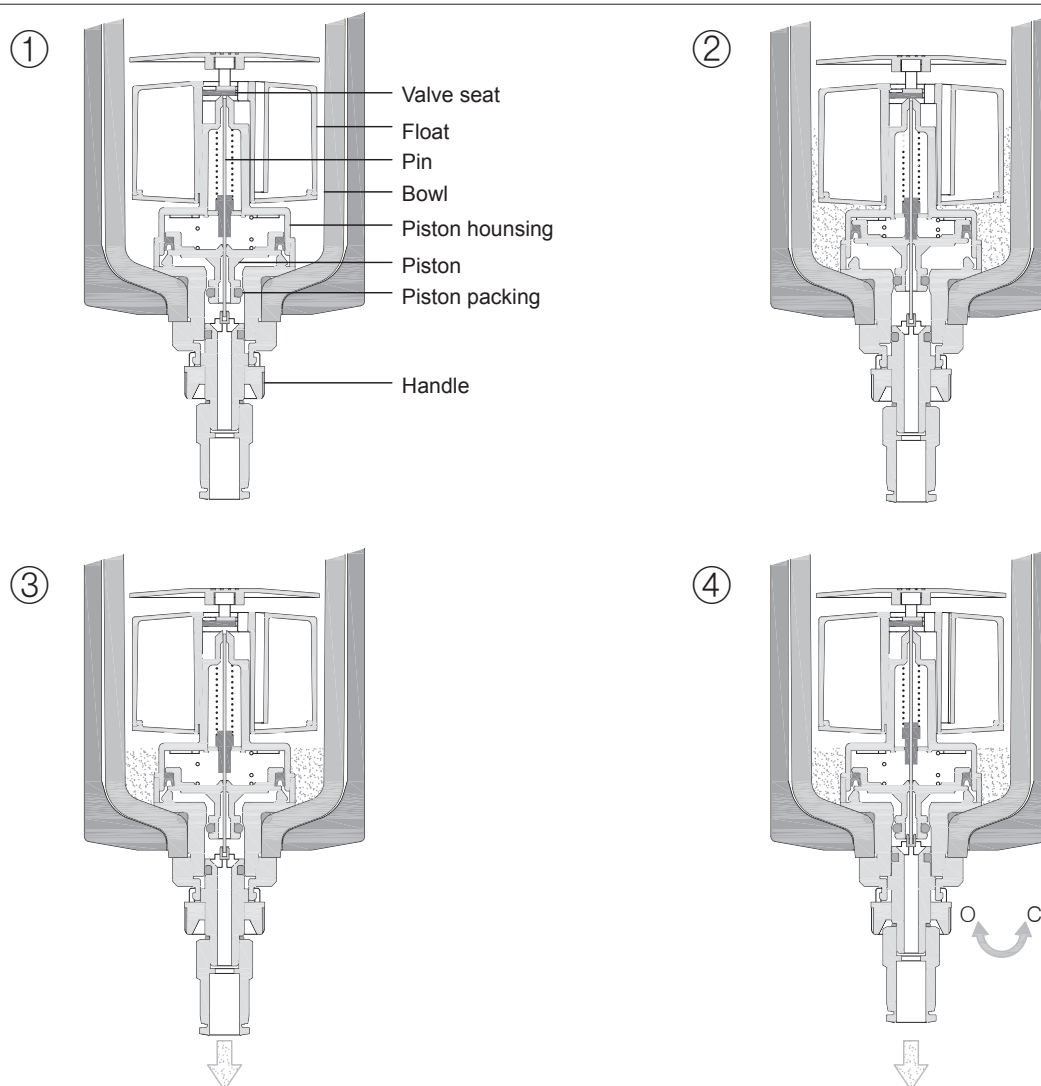
Specifications

Fluid	Compressed air
Max. operating pressure	1.0MPa
Min. operating pressure	0.15MPa
Proof pressure	1.5MPa
Ambient & fluid temperature	5 ~ 60℃
Drain port	Ø6 One touch fitting
Drain closing pressure	≥0.15MPa
Drain opening pressure	<0.15MPa
Lubrication	Non-Lubrication

⚠ Safety precaution

- For auto drain, the tube connected to the port should have diameter larger than Ø4 and max length 1m.
Please avoid upward drainage connection.
- When auto drain is not functioning, manual draining can be done by rotating the manual handle counter-clockwise.
- For manual drain, drainage should be done before the liquid surpass the sight glass
- Min. operation pressure for auto drain is 0.15MPa

Working principle



① When pressure inside the bowl is released

When the pressure in the bowl is released, the piston moves downward by the spring, and the seal of the piston packing is released, and the inside and outside of the bowl are connected to allow drainage.

② When pressure is applied inside the bowl

When a pressure of 0.15 MPa or more is applied in the bowl, the piston rises, and the piston packing seals, blocking the outside of the bowl. At this time, the float is pressed down by the pressure and its own weight to seal the valve seat.

③ When there is an accumulation of condensate in the bowl

The float rises by buoyancy to release the sealing of the valve seat, and the pressure in the bowl enters the piston housing. The piston moves downwards by the pressure in the piston housing and the force of the spring, and the seal of the piston packing is released, and the moisture in the bowl is discharged to the outside.

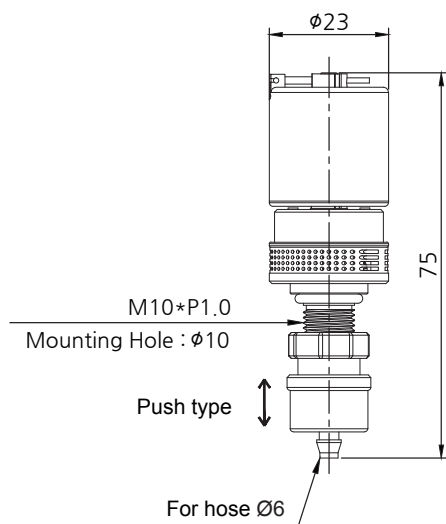
④ Manual drain state

When the handle mounted on the drain part is rotated counterclockwise, the pin interlocked with the handle raises the float and allows pressure to flow into the piston housing, thereby forcibly discharging the moisture in the bowl.

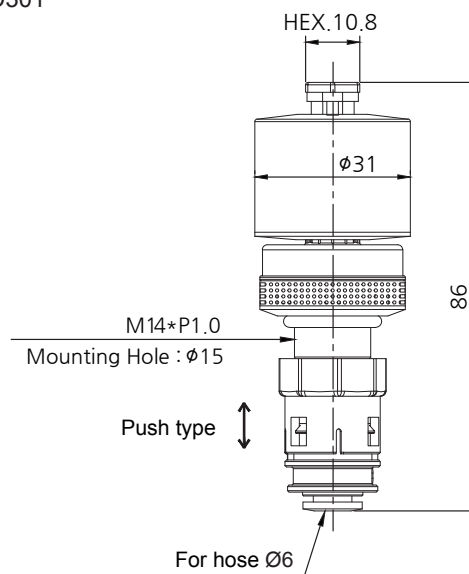
(Be sure to close the drain by rotating the handle clockwise after draining is complete.)

Dimension

AD201(Developing)



AD301



AD401

