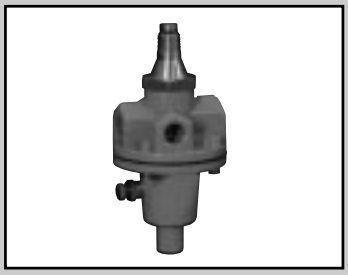
Discontinue



Tank drain

5002-2C Series

Automatic discharge type by external pilot signal
Port size: R1/4

JIS symbol

RoHS

Specifications

Descriptions	5002-2C
Max. working pressure MPa	1.0
Withstanding pressure MPa	1.5
Fluid temperature (ambient temperature) ℃	5 to 65
Minimum operating pressure MPa	0.206
Drain discharge cm³	150/cycle
Port size	R1/4
Product weight kg	0.6
Bowl guard	—

How to order

● Tank drain

5002 — **2C**

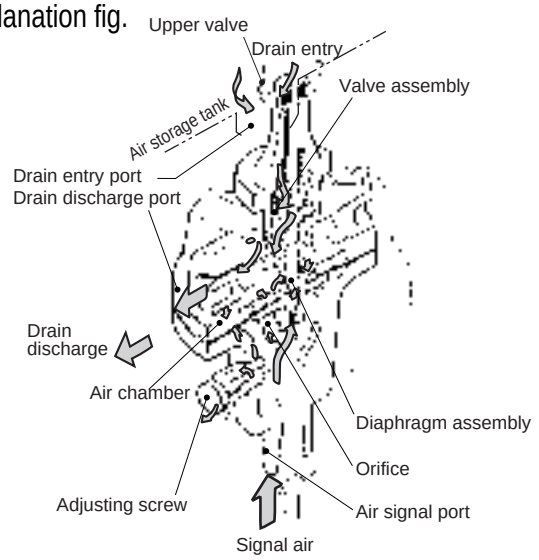
Ⓐ Model no. Ⓑ Port size

Symbol	Descriptions
Ⓑ **Port size**	
2C	R1/4

Operational explanation of tank drain (5002-2C)

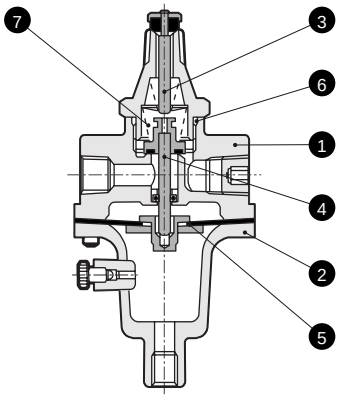
The diaphragm assembly is lifted up by the signal pressure, and the valve assembly and upper valve are pressed up at the same time. As a result, these two valves open, and the air and drainage are discharged forcibly from the air storage tank.
The air which is pressing up the diaphragm assembly passes through the orifice and gradually enters the air chamber.
Part of the air is released to the atmosphere from the adjusting screw. The force of the spring starts to take effect as the air chamber pressure reaches the level of the signal pressure. The two valves are pressed down, and the discharge from the air storage tank is stopped.
The signal air and air chamber air are released to the atmosphere through the adjusting screw. The time that the valve assembly and upper valve are opened is determined by the degree of adjusting screw opening. This time increases when the adjusting screw is turned right, and decreases when turned left.

Explanation fig.



Internal structure and parts list

● 5002-2C



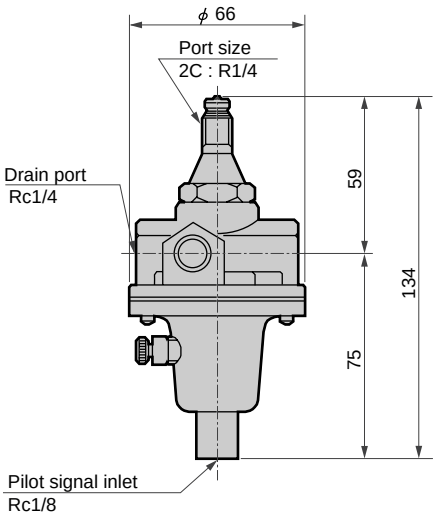
No.	Main parts	Material
1	Body	Zinc die casting
2	Guard	Zinc die casting

Parts list

No.	Part name	Material	Model no.
3	Upper valve assembly	—	5002-UPPER-VALVE-ASSY
4	Valve assembly	—	5002-VALVE-ASSY
5	Diaphragm assembly	—	5002-DIAPHRAGM-ASSY
6	O ring	Nitrile rubber	5002-ORING
7	Spring	Stainless steel	—

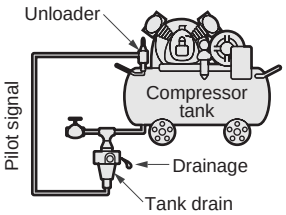
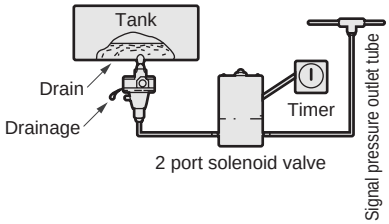
Dimensions

● 5002-2C



Piping method of tank drain (5002-2C)

● Method which retrieves pilot signal from unloader



● Method which retrieves pilot signal from timer