

Application

The leak tight and pneumatically controlled 2/2-way valve can be used as a blocking valve.

Use

The 2/2-way valve is used for controlled opening or closing and is regulating the entrance, flow or exhaust of compressed air connection pipes.

Advice:

Due to the integrated valve technology the 2/2-way valve has a preferential direction.

The main compressed air pipe that has to be closed has to be connected to port 1.

Properties

Leak tested poppet valve.

No minimum pressure required, as the valve is externally switched by control pressure.

The quality of used materials as well as the elaborated tests guarantee a high reliability and a long lifetime.

Medium

Air or neutral gas (filtered)

Material

Housing: Aluminium

Internal Components:

Aluminium and steel

Sealing rings: Nitril NBR

Maximum leak rate

max. 0.2 cm³/min • bar

Valve control

Control: pneumatic (option: electrical)

Reset: return spring

Pneumatic control

Control pressure:

5 bar (minimum), 6 bar (maximum)

Advice:

At low control pressures a pressure booster has to be used. At high control pressures a pressure reducer is necessary.

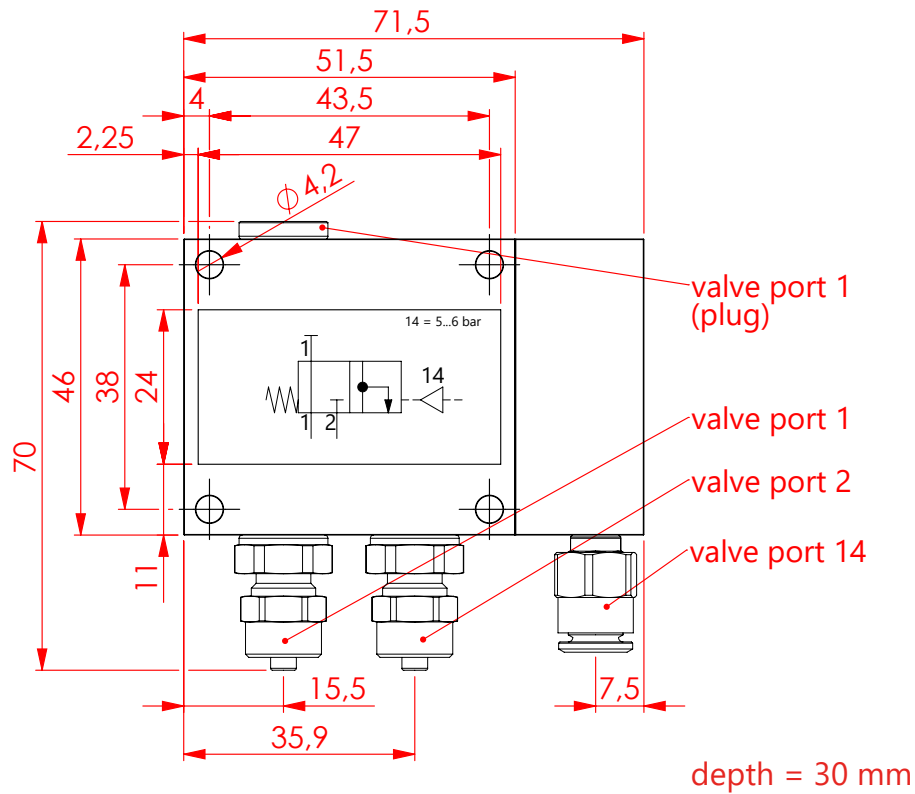
Electrical control (option)

If the 2/2-way valve shall not be controlled pneumatically, a separately mountable electromagnetic valve (24 V DC/5 W) can be delivered for each 2/2-way valve (option).

Test pressure

0 to 10 bar

Advice: If the pressure at connection no. 1 is much higher than at connection 2 (meaning $p_1 \gg p_2$), the pneumatic line between connection no. 1 and no. 2 might be shut.

**Connection**

Pneumatic line:
6 x 1 mm Union nut connection
Control line:
Quick coupling 6 mm
Plug-in fitting (3 mm optional)

Nominal width

4 mm

Operation temperature

+ 10° C to + 40° C

Response time

Approx. 200 ms

Mounting

There are 4 mounting holes with a diameter of 4.2 mm in the housing. The valves can be mounted on top of each other.

Note

The CETA test devices can be equipped with a pneumatical output (as option), which can be used to switch the 2/2-way valve (program selective).

Maintenance

The 2/2-way valve has to be maintained at regular intervals. This can be done by the CETA service.

Weight

Approx. 0.45 kg

Scope of delivery

Test report, sealing caps