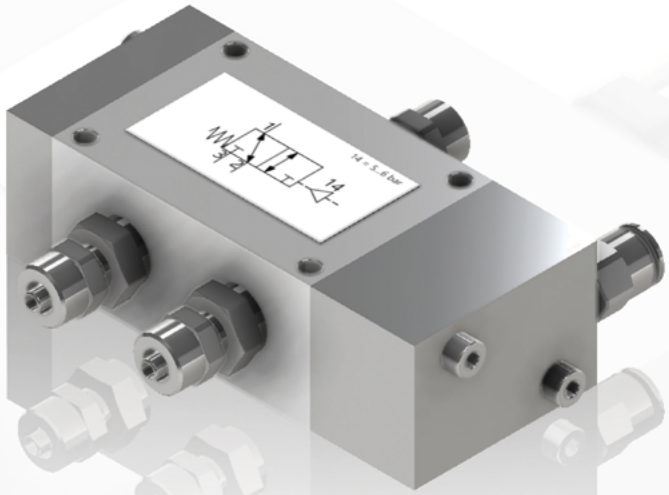
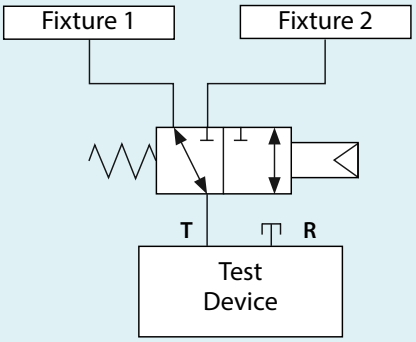
CETA 3/2-Way Valve



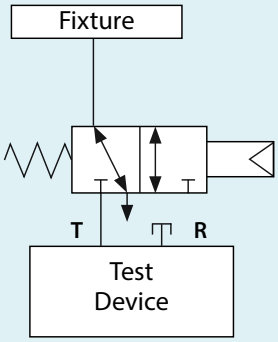
Application

The leak tight and pneumatically controlled 3/2-way valve can be used for bidirectional operation. Typical applications are switching between measurement points or external exhausting.

Switching between test points



External exhausting



Properties

Leak tested slide valve. No minimum pressure required as the valve is externally switched by control pressure.
The quality of the used material as well as extensive tests guarantees high reliability and long durability.

Medium

Air or neutral gas (filtered)

Material

Housing : Aluminium
Internal Components : Stainless steel
Sealing rings : Nitril NBR

Maximum leak rate

max. 0.2 cm^3/min • bar

Means of 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 3/2-way valve shall not be controlled pneumatically, a separately mountable electromagnetic valve (24 V DC/5 W) can be delivered for each 3/2-way valve (option).

Test pressure

0 to 10 bar and -1,000 mbar as standard, up to 16 bar on request (if control pressure 10 bar)

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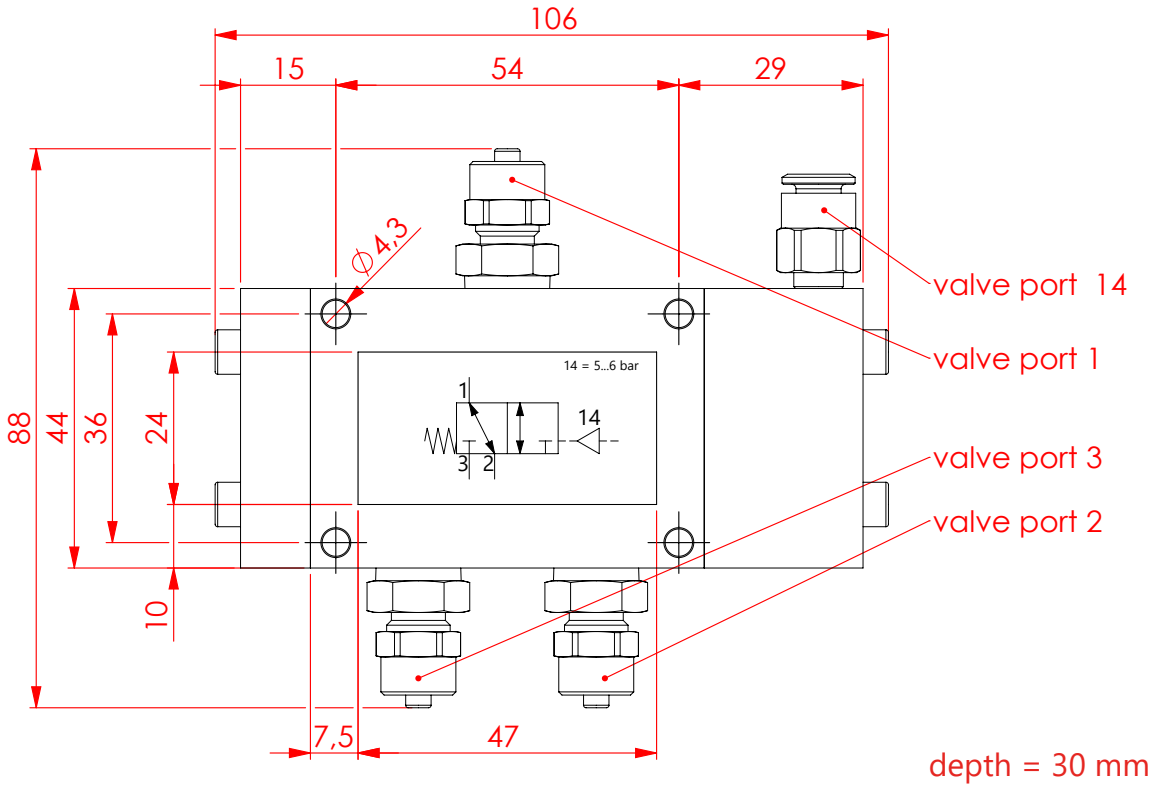

Connection

Pneumatic line:

Standard:
6 x 1 mm Union nut connection
On request:
8 x 1 mm Union nut connection or
6 mm clamping ring or
4 mm clamping ring or
3 mm clamping ring

Control line:
Quick coupling 6 mm
Plug-in fitting (3 mm optional)

Nominal width

4 mm

Operation temperature

+ 10° C bis + 40° C

Response time

Approx. 200 ms

Mounting

There are 4 mounting holes with a diameter of 4.3 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 3/2-way valve (program selective).

Maintenance

The 3/2-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

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