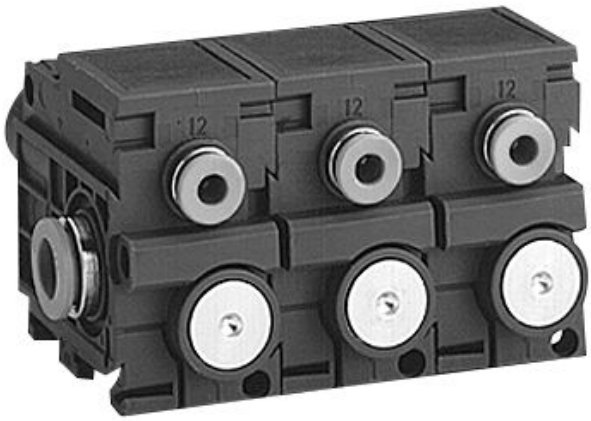
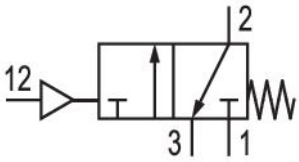
3/2-directional valve, Series 579

5791600000

Series 579, 589

- Qn = [[520 ... 850] l/min]





Technical data

Industry
Industrial

Activation
Pneumatically

Nominal flow Qn
850 l/min

Switching principle
3/2

Return type
With spring return

Actuating control
Single Air Pilot

Compressed air connection output
Ø 8x1

Connection type
Pipe connection

Working pressure min.
0.5 bar

Working pressure max
8 bar

Sealing principle
Soft Seal

Valve type
Poppet valve

Can be assembled into blocks
Can be assembled into blocks

Blocking principle
Stacking valve

Blocking principle
Plate principle

Control pressure min.
2 bar

Min. ambient temperature
-15 °C

Max. ambient temperature
60 °C

Min. medium temperature
-15 °C

Max. medium temperature
60 °C

Medium
Compressed air

Max. particle size
5 µm

Oil content of compressed air min.
0 mg/m³

Oil content of compressed air max.
1 mg/m³

version pneumatic port
NC

Compressed air connection pilot exhaust
Ø 4

Weight
0.056 kg

Housing material
Polyamide

Seal material
Acrylonitrile butadiene rubber

Part No.
5791600000

Technical information

At an ambient temperature of [[40] °C] the max. working pressure is [[10] bar].

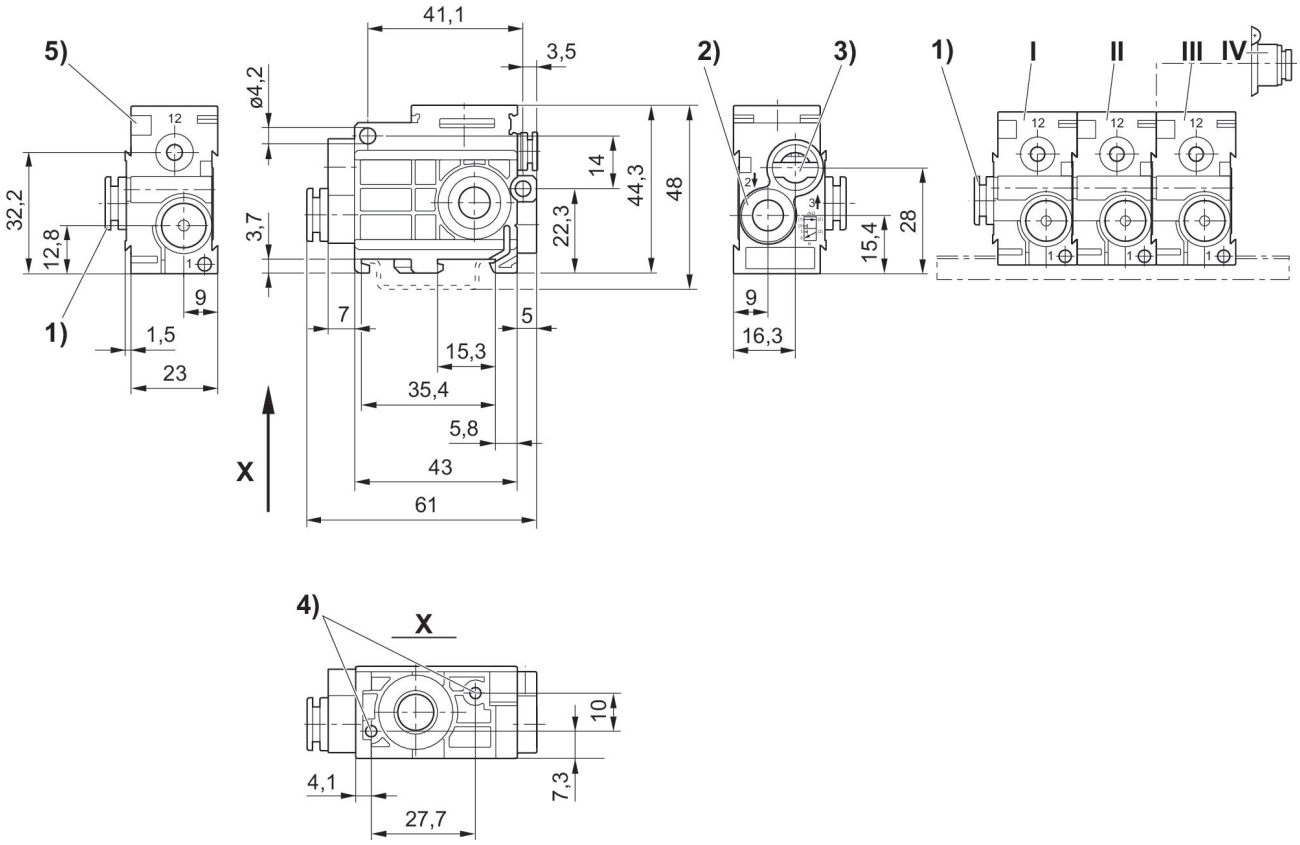
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in https://www.emerson.com/en-us/support).

Dimensions



1) port 1 2) port 2 3) port 3 exhaust must not be throttled 4) pocket hole 6 mm deep for 3.5 self-tapping screw 5) mounting space for name plate * Air conn. module (item IV) mounted onto stacking valve (item II) permits additional air supply from right hand side. End valve (item III) not required.
Inlet valve (pos. I)