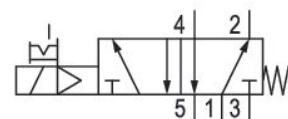
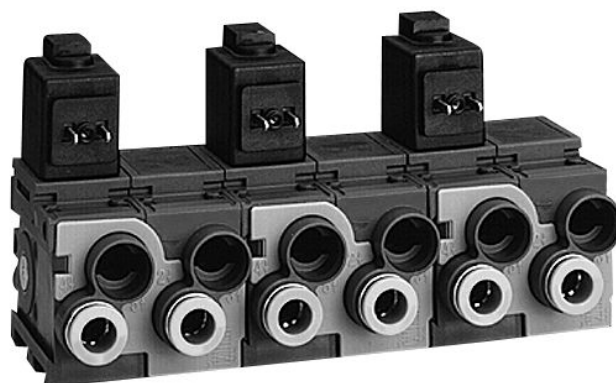


5/2-directional valve, Series 579

5790900210

General series information Series 579

- The AVENTICS Series 490/579/589 have a robust polymer housing that can be mounted individually or as a block. They cover a large range of voltages and feature fast connections for pneumatic tubing.



Technical data

Industry
Industrial

Activation
Electrically

Nominal flow Q_n
600 l/min

Switching principle
5/2

Version
NC

Compressed air connection output
 \varnothing 8x1

Working pressure min.
2 bar

Working pressure max
8 bar

Valve type
Poppet valve

DC operating voltage
12 V

Voltage tolerance DC
-10% / +10%

Manual override
with detent

Electrical connection type
Plug

Electrical connection size
ISO 15217, form C

Sealing principle
Soft Seal

Pilot
Internal

Connection type
Pipe connection

Return
With spring return
Blocking principle
Inlet valve

Can be assembled into blocks
Can be assembled into blocks

Min. ambient temperature
-15 °C
Max. ambient temperature
50 °C
Min. medium temperature
-15 °C
Max. medium temperature
50 °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

Compressed air connection input
Ø 8x1

Power consumption DC
1.6 W
Duty cycle
100 %

Typ. switch-on time
27 ms
Typ. switch-off time
28 ms

Protection class with connection
IP65
Reverse polarity protection
Protected against polarity reversal

Weight
0.133 kg

Housing material
Polyamide
Seal material
Acrylonitrile butadiene rubber

Polyurethane
Part No.
5790900210

Technical information

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

Versions with voltage of less than 50 V DC do not have a protective ground.

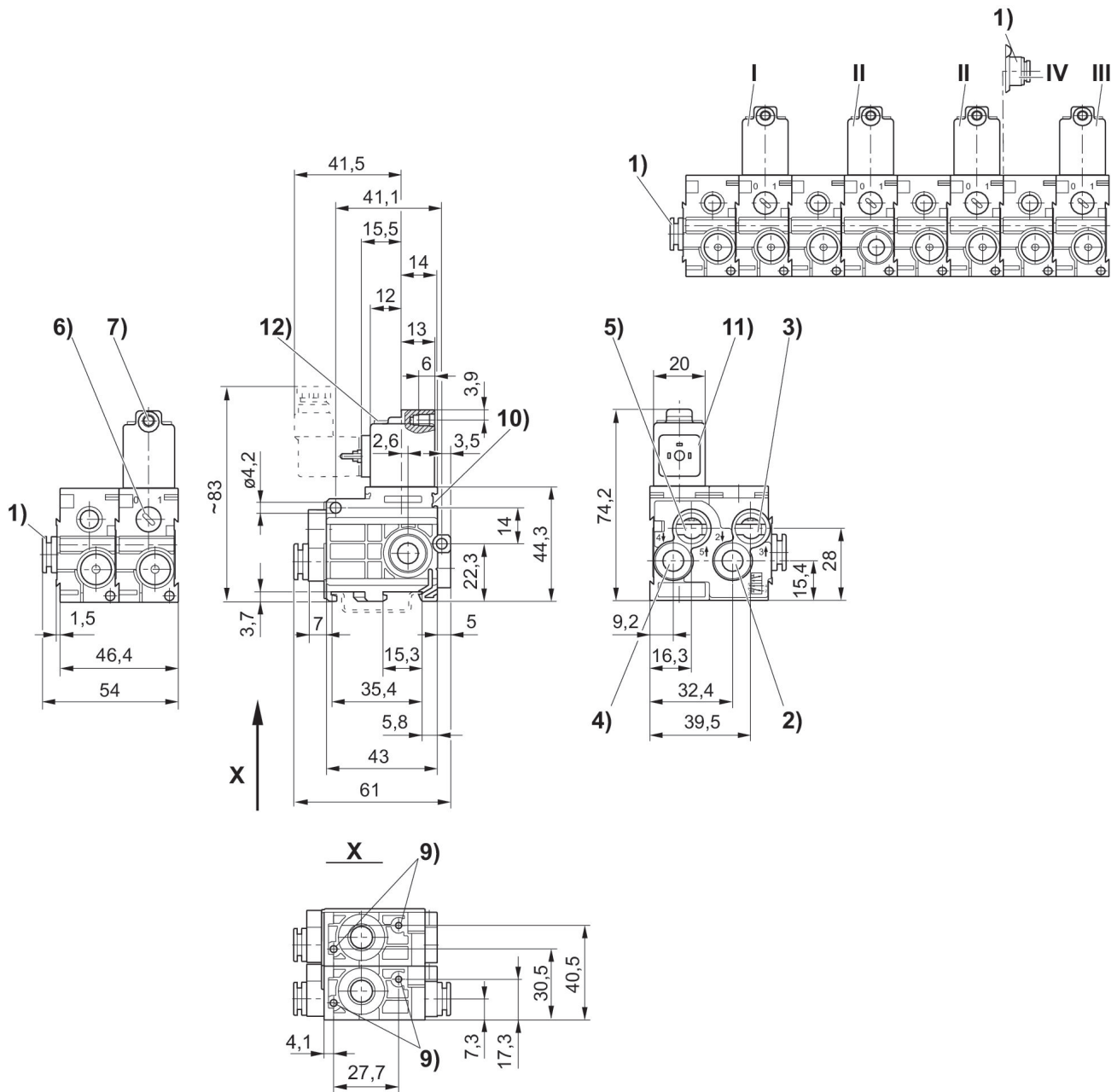
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

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 4) Port 4 5) Port 5 6) Manual override 7) Core Ø for M5 8) Exhaust air must not be throttled 9) Pocket hole 6 mm deep for 3.5 self-tapping screw 10) mounting space for name plate 11) Coil can be rotated at 180° intervals 12) LED * Air connection module (item IV) mounted onto stacking valve (item II) permits additional air supply from right hand side. End valve (item III) not required.

I = Inlet valve, II = Stacking valve, III = End valve

* Order air connection module 5790000092 separately