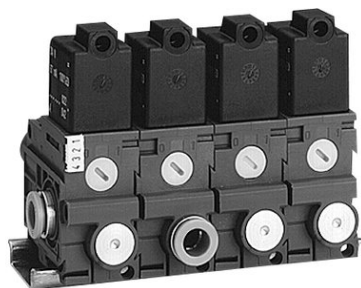


3/2-directional valve, Series 579

- NC
- $Q_n = 520 \text{ l/min}$
- Pipe connection
- Compressed air connection output $\varnothing 6 \times 1$
- Electrical connection Plug, ISO 15217, form C
- Manual override with detent



Type	Poppet valve
Activation	Electrically
Pilot	Internal
Sealing principle	Soft sealing
Working pressure min./max.	2 ... 8 bar
Ambient temperature min./max.	-15 ... 50 °C
Medium temperature min./max.	-15 ... 50 °C
Medium	Compressed air
Max. particle size	5 μm
Oil content of compressed air	0 ... 1 mg/m^3
Nominal flow Q_n	520 l/min
Protection class with connection	IP65
Reverse polarity protection	Protected against polarity reversal
Duty cycle	100 %
Typ. switch-on time	18 ms
Typ. switch-off time	16 ms
Weight	0,093 kg

Technical data

Part No.		MO		Type
5790500210			NC	Inlet valve
5790500220			NC	Inlet valve
5790500620			NC	Inlet valve
5790505220			NC	Inlet valve
5790505270			NC	Inlet valve
5790505280			NC	Inlet valve
5790505680			NC	Inlet valve
5791500210			NC	Stacking valve
5791500220			NC	Stacking valve
5791500620			NC	Stacking valve
5791505220			NC	Stacking valve
5791505270			NC	Stacking valve
5791505280			NC	Stacking valve
5791505680			NC	Stacking valve
5796400210			NC	Stacking valve, additional pressure connection
5796400220			NC	Stacking valve, additional pressure connection
5796400620			NC	Stacking valve, additional pressure connection
5796405220			NC	Stacking valve, additional pressure connection
5796405270			NC	Stacking valve, additional pressure connection

Part No.		MO		Type
5796405280			NC	Stacking valve, additional pressure connection
5796405680			NC	Stacking valve, additional pressure connection
5796500210			NC	Stacking valve, additional pressure connection
5796500220			NC	Stacking valve, additional pressure connection
5796500620			NC	Stacking valve, additional pressure connection
5796505220			NC	Stacking valve, additional pressure connection
5796505270			NC	Stacking valve, additional pressure connection
5796505280			NC	Stacking valve, additional pressure connection
5796505680			NC	Stacking valve, additional pressure connection
5792500210			NC	End valve
5792500220			NC	End valve
5792500620			NC	End valve
5792505220			NC	End valve
5792505270			NC	End valve
5792505280			NC	End valve
5792505680			NC	End valve

Part No.	Compressed air connection	
	Input	Output
5790500210	Ø 8x1	Ø 6x1
5790500220	Ø 8x1	Ø 6x1
5790500620	Ø 8x1	Ø 6x1
5790505220	Ø 8x1	Ø 6x1
5790505270	Ø 8x1	Ø 6x1
5790505280	Ø 8x1	Ø 6x1
5790505680	Ø 8x1	Ø 6x1
5791500210	-	Ø 6x1
5791500220	-	Ø 6x1
5791500620	-	Ø 6x1
5791505220	-	Ø 6x1
5791505270	-	Ø 6x1
5791505280	-	Ø 6x1
5791505680	-	Ø 6x1
5796400210	Ø 6x1	Ø 6x1
5796400220	Ø 6x1	Ø 6x1
5796400620	Ø 6x1	Ø 6x1
5796405220	Ø 6x1	Ø 6x1
5796405270	Ø 6x1	Ø 6x1
5796405280	Ø 6x1	Ø 6x1
5796405680	Ø 6x1	Ø 6x1
5796500210	Ø 8x1	Ø 6x1
5796500220	Ø 8x1	Ø 6x1
5796500620	Ø 8x1	Ø 6x1
5796505220	Ø 8x1	Ø 6x1
5796505270	Ø 8x1	Ø 6x1
5796505280	Ø 8x1	Ø 6x1
5796505680	Ø 8x1	Ø 6x1
5792500210	-	Ø 6x1

Part No.	Compressed air connection	
	Input	Output
5792500220	-	Ø 6x1
5792500620	-	Ø 6x1
5792505220	-	Ø 6x1
5792505270	-	Ø 6x1
5792505280	-	Ø 6x1
5792505680	-	Ø 6x1

Part No.	Operational voltage	Operational voltage	Operational voltage
	DC	AC 50 Hz	AC 60 Hz
5790500210	12 V	-	-
5790500220	24 V	-	-
5790500620	24 V	-	-
5790505220	-	24 V	24 V
5790505270	-	110 V	110 V
5790505280	-	230 V	230 V
5790505680	-	230 V	230 V
5791500210	12 V	-	-
5791500220	24 V	-	-
5791500620	24 V	-	-
5791505220	-	24 V	24 V
5791505270	-	110 V	110 V
5791505280	-	230 V	230 V
5791505680	-	230 V	230 V
5796400210	12 V	-	-
5796400220	24 V	-	-
5796400620	24 V	-	-
5796405220	-	24 V	24 V
5796405270	-	110 V	110 V
5796405280	-	230 V	230 V
5796405680	-	230 V	230 V
5796500210	12 V	-	-
5796500220	24 V	-	-
5796500620	24 V	-	-
5796505220	-	24 V	24 V
5796505270	-	110 V	110 V
5796505280	-	230 V	230 V
5796505680	-	230 V	230 V
5792500210	12 V	-	-
5792500220	24 V	-	-
5792500620	24 V	-	-
5792505220	-	24 V	24 V
5792505270	-	110 V	110 V
5792505280	-	230 V	230 V
5792505680	-	230 V	230 V

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
5790500210	1,6 W	-	-	-

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
5790500220	1,6 W	-	-	-
5790500620	1,7 W	-	-	-
5790505220	-	2,2 VA	1,8 VA	3 VA
5790505270	-	3 VA	2,4 VA	4,2 VA
5790505280	-	2,3 VA	2 VA	3,2 VA
5790505680	-	2,5 VA	2,2 VA	3,4 VA
5791500210	1,6 W	-	-	-
5791500220	1,6 W	-	-	-
5791500620	1,7 W	-	-	-
5791505220	-	2,2 VA	1,8 VA	3 VA
5791505270	-	3 VA	2,4 VA	4,2 VA
5791505280	-	2,3 VA	2 VA	3,2 VA
5791505680	-	2,5 VA	2,2 VA	3,4 VA
5796400210	1,6 W	-	-	-
5796400220	1,6 W	-	-	-
5796400620	1,7 W	-	-	-
5796405220	-	2,2 VA	1,8 VA	3 VA
5796405270	-	3 VA	2,4 VA	4,2 VA
5796405280	-	2,3 VA	2 VA	3,2 VA
5796405680	-	2,5 VA	2,2 VA	3,4 VA
5796500210	1,6 W	-	-	-
5796500220	1,6 W	-	-	-
5796500620	1,7 W	-	-	-
5796505220	-	2,2 VA	1,8 VA	3 VA
5796505270	-	3 VA	2,4 VA	4,2 VA
5796505280	-	2,3 VA	2 VA	3,2 VA
5796505680	-	2,5 VA	2,2 VA	3,4 VA
5792500210	1,6 W	-	-	-
5792500220	1,6 W	-	-	-
5792500620	1,7 W	-	-	-
5792505220	-	2,2 VA	1,8 VA	3 VA
5792505270	-	3 VA	2,4 VA	4,2 VA
5792505280	-	2,3 VA	2 VA	3,2 VA
5792505680	-	2,5 VA	2,2 VA	3,4 VA

Part No.	Switch-on power	Pilot	LED	Protected against polarity reversal	
	AC 60 Hz				
5790500210	-	Internal	-	Protected against polarity reversal	-
5790500220	-	Internal	-	Protected against polarity reversal	-
5790500620	-	Internal	Red	Protected against polarity reversal	1)
5790505220	2,6 VA	Internal	-	Protected against polarity reversal	-
5790505270	3,4 VA	Internal	-	Protected against polarity reversal	-
5790505280	2,8 VA	Internal	-	Protected against polarity reversal	-
5790505680	3 VA	Internal	Red	Protected against polarity reversal	-
5791500210	-	Internal	-	Protected against polarity reversal	-
5791500220	-	Internal	-	Protected against polarity reversal	-
5791500620	-	Internal	Red	Protected against polarity reversal	1)
5791505220	2,6 VA	Internal	-	Protected against polarity reversal	-

Part No.	Switch-on power	Pilot	LED	Protected against polarity reversal	
	AC 60 Hz				
5791505270	3,4 VA	Internal	-	Protected against polarity reversal	-
5791505280	2,8 VA	Internal	-	Protected against polarity reversal	-
5791505680	3 VA	Internal	Red	Protected against polarity reversal	-
5796400210	-	Internal	-	Protected against polarity reversal	-
5796400220	-	Internal	-	Protected against polarity reversal	-
5796400620	-	Internal	Red	Protected against polarity reversal	1)
5796405220	2,6 VA	Internal	-	Protected against polarity reversal	-
5796405270	3,4 VA	Internal	-	Protected against polarity reversal	-
5796405280	2,8 VA	Internal	-	Protected against polarity reversal	-
5796405680	3 VA	Internal	Red	Protected against polarity reversal	-
5796500210	-	Internal	-	Protected against polarity reversal	-
5796500220	-	Internal	-	Protected against polarity reversal	-
5796500620	-	Internal	Red	Protected against polarity reversal	1)
5796505220	2,6 VA	Internal	-	Protected against polarity reversal	-
5796505270	3,4 VA	Internal	-	Protected against polarity reversal	-
5796505280	2,8 VA	Internal	-	Protected against polarity reversal	-
5796505680	3 VA	Internal	Red	Protected against polarity reversal	-
5792500210	-	Internal	-	Protected against polarity reversal	-
5792500220	-	Internal	-	Protected against polarity reversal	-
5792500620	-	Internal	Red	Protected against polarity reversal	1)
5792505220	2,6 VA	Internal	-	Protected against polarity reversal	-
5792505270	3,4 VA	Internal	-	Protected against polarity reversal	-
5792505280	2,8 VA	Internal	-	Protected against polarity reversal	-
5792505680	3 VA	Internal	Red	Protected against polarity reversal	-

Nominal flow Q_n at 6 bar and $\Delta p = 1$ bar, MO = Manual override

1) With LED and protective diode for reducing voltage peaks in the solenoid coil, protected against polarity reversal

Technical information

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 the MediaCentre).

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

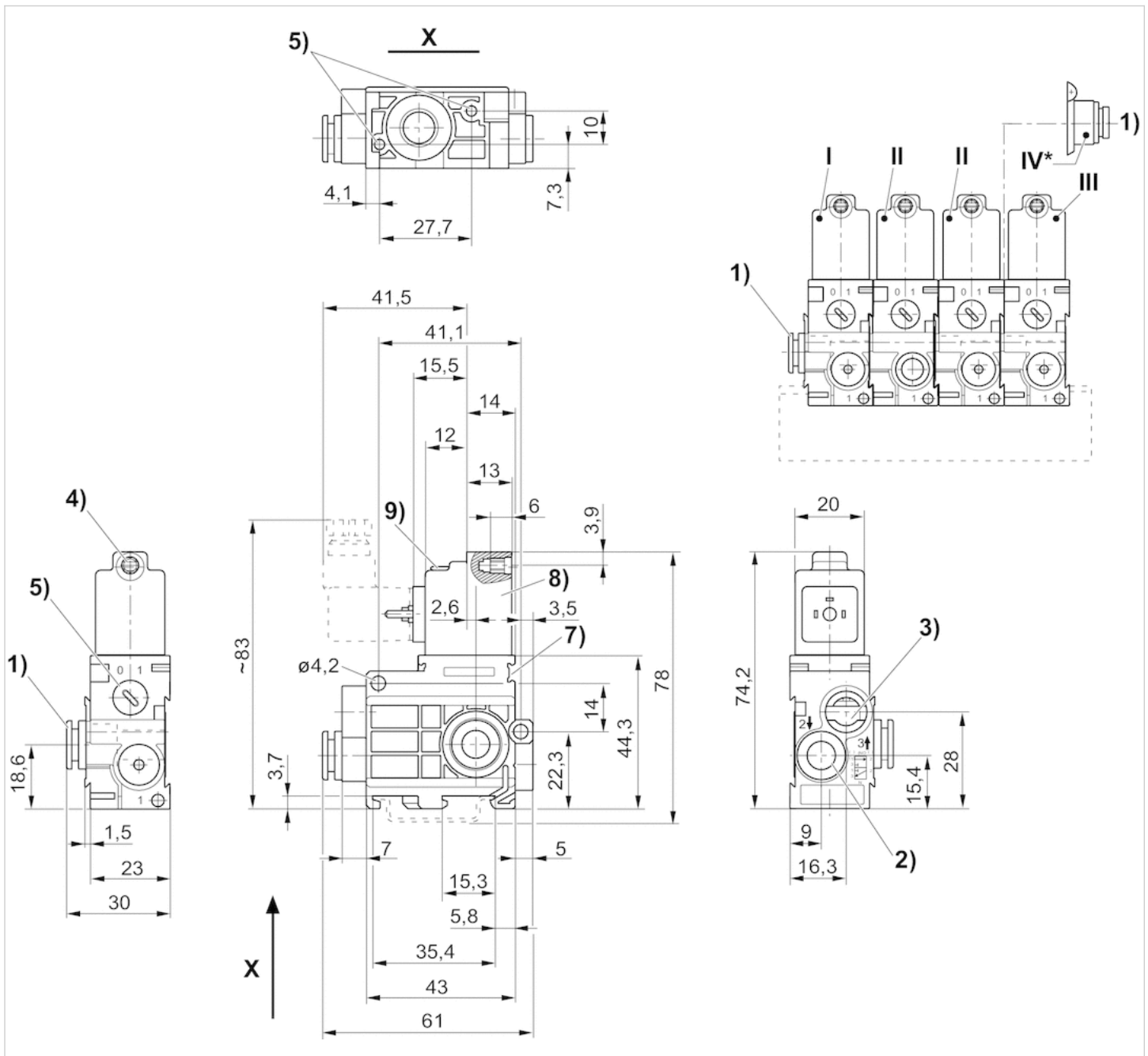
Versions with voltage of less than 50 V DC do not have a protective ground.

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber Polyurethane

Dimensions

Dimensions



- 1) Port 1
- 2) Port 2
- 3) Port 3, exhaust air must not be throttled
- 4) Core Ø for M5
- 5) Manual override
- 6) Pocket hole 6 mm deep for 3.5 self-tapping screw
- 7) Mounting space for name plate
- 8) Coil can be rotated at 180° intervals
- 9) LED

* 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.

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

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