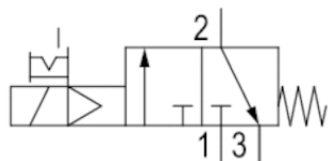
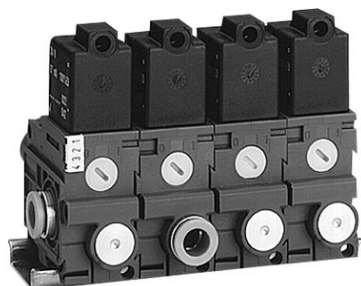


3/2-directional valve, Series 579

- NC
- $Q_n = 850 \text{ l/min}$
- Pipe connection
- Compressed air connection output $\varnothing 8 \times 1$
- 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
Control pressure min./max.	See table below
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	850 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
5790600210		NC	Inlet valve
5790600220		NC	Inlet valve
5790600620		NC	Inlet valve
5790605220		NC	Inlet valve
5790605270		NC	Inlet valve
5790605280		NC	Inlet valve
5790605680		NC	Inlet valve
5791600210		NC	Stacking valve
5791600220		NC	Stacking valve
5791600620		NC	Stacking valve
5791605220		NC	Stacking valve
5791605270		NC	Stacking valve
5791605280		NC	Stacking valve
5791605680		NC	Stacking valve
5796600210		NC	Stacking valve, additional pressure connection
5796600220		NC	Stacking valve, additional pressure connection
5796600620		NC	Stacking valve, additional pressure connection
5796605220		NC	Stacking valve, additional pressure connection
5796605270		NC	Stacking valve, additional pressure connection
5796605280		NC	Stacking valve, additional pressure connection
5796605680		NC	Stacking valve, additional pressure connection
5792600210		NC	End valve
5792600220		NC	End valve
5792600620		NC	End valve
5792605220		NC	End valve
5792605270		NC	End valve
5792605280		NC	End valve
5792605680		NC	End valve

Part No.	Compressed air connection	
	Input	Output
5790600210	Ø 8x1	Ø 8x1
5790600220	Ø 8x1	Ø 8x1
5790600620	Ø 8x1	Ø 8x1
5790605220	Ø 8x1	Ø 8x1
5790605270	Ø 8x1	Ø 8x1
5790605280	Ø 8x1	Ø 8x1
5790605680	Ø 8x1	Ø 8x1
5791600210	-	Ø 8x1
5791600220	-	Ø 8x1
5791600620	-	Ø 8x1
5791605220	-	Ø 8x1
5791605270	-	Ø 8x1
5791605280	-	Ø 8x1
5791605680	-	Ø 8x1
5796600210	Ø 8x1	Ø 8x1

Part No.	Compressed air connection	
	Input	Output
5796600220	Ø 8x1	Ø 8x1
5796600620	Ø 8x1	Ø 8x1
5796605220	Ø 8x1	Ø 8x1
5796605270	Ø 8x1	Ø 8x1
5796605280	Ø 8x1	Ø 8x1
5796605680	Ø 8x1	Ø 8x1
5792600210	-	Ø 8x1
5792600220	-	Ø 8x1
5792600620	-	Ø 8x1
5792605220	-	Ø 8x1
5792605270	-	Ø 8x1
5792605280	-	Ø 8x1
5792605680	-	Ø 8x1

Part No.	Operational voltage	Operational voltage	Operational voltage
	DC	AC 50 Hz	AC 60 Hz
5790600210	12 V	-	-
5790600220	24 V	-	-
5790600620	24 V	-	-
5790605220	-	24 V	24 V
5790605270	-	110 V	110 V
5790605280	-	230 V	230 V
5790605680	-	230 V	230 V
5791600210	12 V	-	-
5791600220	24 V	-	-
5791600620	24 V	-	-
5791605220	-	24 V	24 V
5791605270	-	110 V	110 V
5791605280	-	230 V	230 V
5791605680	-	230 V	230 V
5796600210	12 V	-	-
5796600220	24 V	-	-
5796600620	24 V	-	-
5796605220	-	24 V	24 V
5796605270	-	110 V	110 V
5796605280	-	230 V	230 V
5796605680	-	230 V	230 V
5792600210	12 V	-	-
5792600220	24 V	-	-
5792600620	24 V	-	-
5792605220	-	24 V	24 V
5792605270	-	110 V	110 V
5792605280	-	230 V	230 V
5792605680	-	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
5790600210	1,6 W	-	-	-

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
5790600220	1,6 W	-	-	-
5790600620	1,7 W	-	-	-
5790605220	-	2,2 VA	1,8 VA	3 VA
5790605270	-	3 VA	2,4 VA	4,2 VA
5790605280	-	2,3 VA	2 VA	3,2 VA
5790605680	-	2,5 VA	2,2 VA	3,4 VA
5791600210	1,6 W	-	-	-
5791600220	1,6 W	-	-	-
5791600620	1,7 W	-	-	-
5791605220	-	2,2 VA	1,8 VA	3 VA
5791605270	-	3 VA	2,4 VA	4,2 VA
5791605280	-	2,3 VA	2 VA	3,2 VA
5791605680	-	2,5 VA	2,2 VA	3,4 VA
5796600210	1,6 W	-	-	-
5796600220	1,6 W	-	-	-
5796600620	1,7 W	-	-	-
5796605220	-	2,2 VA	1,8 VA	3 VA
5796605270	-	3 VA	2,4 VA	4,2 VA
5796605280	-	2,3 VA	2 VA	3,2 VA
5796605680	-	2,5 VA	2,2 VA	3,4 VA
5792600210	1,6 W	-	-	-
5792600220	1,6 W	-	-	-
5792600620	1,7 W	-	-	-
5792605220	-	2,2 VA	1,8 VA	3 VA
5792605270	-	3 VA	2,4 VA	4,2 VA
5792605280	-	2,3 VA	2 VA	3,2 VA
5792605680	-	2,5 VA	2,2 VA	3,4 VA

Part No.	Switch-on power	Pilot	Control pressure min./max.	LED
	AC 60 Hz			
5790600210	-	Internal	-	-
5790600220	-	Internal	-	-
5790600620	-	Internal	-	Red
5790605220	2,6 VA	Internal	-	-
5790605270	3,4 VA	Internal	-	-
5790605280	2,8 VA	Internal	-	-
5790605680	3 VA	Internal	-	Red
5791600210	-	Internal	-	-
5791600220	-	Internal	-	-
5791600620	-	Internal	-	Red
5791605220	2,6 VA	Internal	-	-
5791605270	3,4 VA	Internal	-	-
5791605280	2,8 VA	Internal	-	-
5791605680	3 VA	Internal	-	Red
5796600210	-	Internal	8 bar	-
5796600220	-	Internal	8 bar	-
5796600620	-	Internal	8 bar	Red
5796605220	2,6 VA	Internal	8 bar	-

Part No.	Switch-on power	Pilot	Control pressure min./max.	LED
	AC 60 Hz			
5796605270	3,4 VA	Internal	8 bar	-
5796605280	2,8 VA	Internal	8 bar	-
5796605680	3 VA	Internal	8 bar	Red
5792600210	-	Internal	-	-
5792600220	-	Internal	-	-
5792600620	-	Internal	-	Red
5792605220	2,6 VA	Internal	-	-
5792605270	3,4 VA	Internal	-	-
5792605280	2,8 VA	Internal	-	-
5792605680	3 VA	Internal	-	Red

Part No.	Protected against polarity reversal	
5790600210	Protected against polarity reversal	-
5790600220	Protected against polarity reversal	-
5790600620	Protected against polarity reversal	1)
5790605220	Protected against polarity reversal	-
5790605270	Protected against polarity reversal	-
5790605280	Protected against polarity reversal	-
5790605680	Protected against polarity reversal	-
5791600210	Protected against polarity reversal	-
5791600220	Protected against polarity reversal	-
5791600620	Protected against polarity reversal	1)
5791605220	Protected against polarity reversal	-
5791605270	Protected against polarity reversal	-
5791605280	Protected against polarity reversal	-
5791605680	Protected against polarity reversal	-
5796600210	Protected against polarity reversal	-
5796600220	Protected against polarity reversal	-
5796600620	Protected against polarity reversal	1)
5796605220	Protected against polarity reversal	-
5796605270	Protected against polarity reversal	-
5796605280	Protected against polarity reversal	-
5796605680	Protected against polarity reversal	-
5792600210	Protected against polarity reversal	-
5792600220	Protected against polarity reversal	-
5792600620	Protected against polarity reversal	1)
5792605220	Protected against polarity reversal	-
5792605270	Protected against polarity reversal	-
5792605280	Protected against polarity reversal	-
5792605680	Protected against polarity reversal	-

Nominal flow Q_n at 6 bar and Δp = 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).

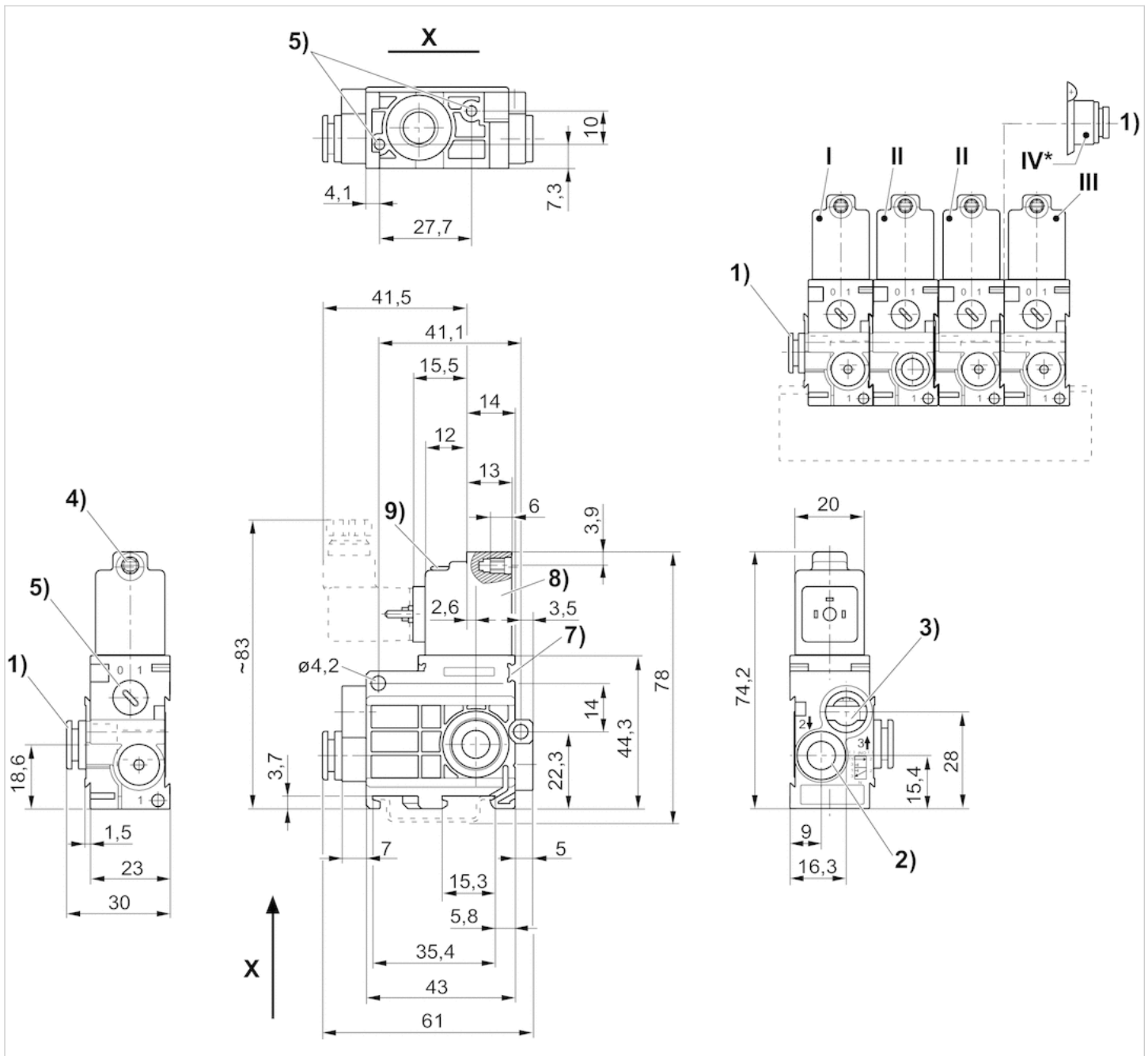
At an ambient temperature of 40 °C the max. working pressure is 10 bar .
Versions with voltage of less than 50 V DC do not have a protective ground.

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

Efficient pneumatic solutions, our program: cylinders and drives, valves and valve systems, air supply management



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