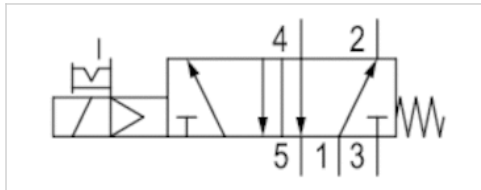


5/2-directional valve, Series 579

- NC
- $Q_n = 600 \text{ l/min}$
- 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
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	600 l/min
Protection class with connection	IP65
Reverse polarity protection	Protected against polarity reversal
Duty cycle	100 %
Typ. switch-on time	27 ms
Typ. switch-off time	28 ms
Weight	0,133 kg

Technical data

Part No.	MO		Type
5790900210		NC	Inlet valve
5790900220		NC	Inlet valve
5790900620		NC	Inlet valve
5790905220		NC	Inlet valve
5790905270		NC	Inlet valve
5790905280		NC	Inlet valve
5790905680		NC	Inlet valve
5791900210		NC	Stacking valve
5791900220		NC	Stacking valve
5791900620		NC	Stacking valve
5791905220		NC	Stacking valve
5791905270		NC	Stacking valve
5791905280		NC	Stacking valve
5791905680		NC	Stacking valve
5796900210		NC	Stacking valve, additional pressure connection
5796900220		NC	Stacking valve, additional pressure connection
5796900620		NC	Stacking valve, additional pressure connection
5796905220		NC	Stacking valve, additional pressure connection
5796905270		NC	Stacking valve, additional pressure connection

Part No.	MO		Type
5796905280		NC	Stacking valve, additional pressure connection
5796905680		NC	Stacking valve, additional pressure connection
5792900210		NC	End valve
5792900220		NC	End valve
5792900620		NC	End valve
5792905220		NC	End valve
5792905270		NC	End valve
5792905280		NC	End valve
5792905680		NC	End valve

Part No.	Compressed air connection	
	Input	Output
5790900210	Ø 8x1	Ø 8x1
5790900220	Ø 8x1	Ø 8x1
5790900620	Ø 8x1	Ø 8x1
5790905220	Ø 8x1	Ø 8x1
5790905270	Ø 8x1	Ø 8x1
5790905280	Ø 8x1	Ø 8x1
5790905680	Ø 8x1	Ø 8x1
5791900210	-	Ø 8x1
5791900220	-	Ø 8x1
5791900620	-	Ø 8x1
5791905220	-	Ø 8x1
5791905270	-	Ø 8x1
5791905280	-	Ø 8x1
5791905680	-	Ø 8x1
5796900210	Ø 8x1	Ø 8x1
5796900220	Ø 8x1	Ø 8x1
5796900620	Ø 8x1	Ø 8x1
5796905220	Ø 8x1	Ø 8x1
5796905270	Ø 8x1	Ø 8x1
5796905280	Ø 8x1	Ø 8x1
5796905680	Ø 8x1	Ø 8x1
5792900210	-	Ø 8x1
5792900220	-	Ø 8x1
5792900620	-	Ø 8x1
5792905220	-	Ø 8x1
5792905270	-	Ø 8x1
5792905280	-	Ø 8x1
5792905680	-	Ø 8x1

Part No.	Operational voltage		
	DC	AC 50 Hz	AC 60 Hz
5790900210	12 V	-	-
5790900220	24 V	-	-
5790900620	24 V	-	-
5790905220	-	24 V	24 V
5790905270	-	110 V	110 V

Part No.	Operational voltage	Operational voltage	Operational voltage
	DC	AC 50 Hz	AC 60 Hz
5790905280	-	230 V	230 V
5790905680	-	230 V	230 V
5791900210	12 V	-	-
5791900220	24 V	-	-
5791900620	24 V	-	-
5791905220	-	24 V	24 V
5791905270	-	110 V	110 V
5791905280	-	230 V	230 V
5791905680	-	230 V	230 V
5796900210	12 V	-	-
5796900220	24 V	-	-
5796900620	24 V	-	-
5796905220	-	24 V	24 V
5796905270	-	110 V	110 V
5796905280	-	230 V	230 V
5796905680	-	230 V	230 V
5792900210	12 V	-	-
5792900220	24 V	-	-
5792900620	24 V	-	-
5792905220	-	24 V	24 V
5792905270	-	110 V	110 V
5792905280	-	230 V	230 V
5792905680	-	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
5790900210	1,6 W	-	-	-
5790900220	1,6 W	-	-	-
5790900620	1,7 W	-	-	-
5790905220	-	2,2 VA	1,8 VA	3 VA
5790905270	-	3 VA	2,4 VA	4,2 VA
5790905280	-	2,3 VA	2 VA	3,2 VA
5790905680	-	2,5 VA	2,2 VA	3,4 VA
5791900210	1,6 W	-	-	-
5791900220	1,6 W	-	-	-
5791900620	1,7 W	-	-	-
5791905220	-	2,2 VA	1,8 VA	3 VA
5791905270	-	3 VA	2,4 VA	4,2 VA
5791905280	-	2,3 VA	2 VA	3,2 VA
5791905680	-	2,5 VA	2,2 VA	3,4 VA
5796900210	1,6 W	-	-	-
5796900220	1,6 W	-	-	-
5796900620	1,7 W	-	-	-
5796905220	-	2,2 VA	1,8 VA	3 VA
5796905270	-	3 VA	2,4 VA	4,2 VA
5796905280	-	2,3 VA	2 VA	3,2 VA
5796905680	-	2,5 VA	2,2 VA	3,4 VA

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
5792900210	1,6 W	-	-	-
5792900220	1,6 W	-	-	-
5792900620	1,7 W	-	-	-
5792905220	-	2,2 VA	1,8 VA	3 VA
5792905270	-	3 VA	2,4 VA	4,2 VA
5792905280	-	2,3 VA	2 VA	3,2 VA
5792905680	-	2,5 VA	2,2 VA	3,4 VA

Part No.	Switch-on power	Pilot	LED	Protected against polarity reversal	
	AC 60 Hz				
5790900210	-	Internal	-	Protected against polarity reversal	-
5790900220	-	Internal	-	Protected against polarity reversal	-
5790900620	-	Internal	Red	Protected against polarity reversal	1)
5790905220	2,6 VA	Internal	-	Protected against polarity reversal	-
5790905270	3,4 VA	Internal	-	Protected against polarity reversal	-
5790905280	2,8 VA	Internal	-	Protected against polarity reversal	-
5790905680	3 VA	Internal	Red	Protected against polarity reversal	-
5791900210	-	Internal	-	Protected against polarity reversal	-
5791900220	-	Internal	-	Protected against polarity reversal	-
5791900620	-	Internal	Red	Protected against polarity reversal	1)
5791905220	2,6 VA	Internal	-	Protected against polarity reversal	-
5791905270	3,4 VA	Internal	-	Protected against polarity reversal	-
5791905280	2,8 VA	Internal	-	Protected against polarity reversal	-
5791905680	3 VA	Internal	Red	Protected against polarity reversal	-
5796900210	-	Internal	-	Protected against polarity reversal	-
5796900220	-	Internal	-	Protected against polarity reversal	-
5796900620	-	Internal	Red	Protected against polarity reversal	1)
5796905220	2,6 VA	Internal	-	Protected against polarity reversal	-
5796905270	3,4 VA	Internal	-	Protected against polarity reversal	-
5796905280	2,8 VA	Internal	-	Protected against polarity reversal	-
5796905680	3 VA	Internal	Red	Protected against polarity reversal	-
5792900210	-	Internal	-	Protected against polarity reversal	-
5792900220	-	Internal	-	Protected against polarity reversal	-
5792900620	-	Internal	Red	Protected against polarity reversal	1)
5792905220	2,6 VA	Internal	-	Protected against polarity reversal	-
5792905270	3,4 VA	Internal	-	Protected against polarity reversal	-
5792905280	2,8 VA	Internal	-	Protected against polarity reversal	-
5792905680	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).

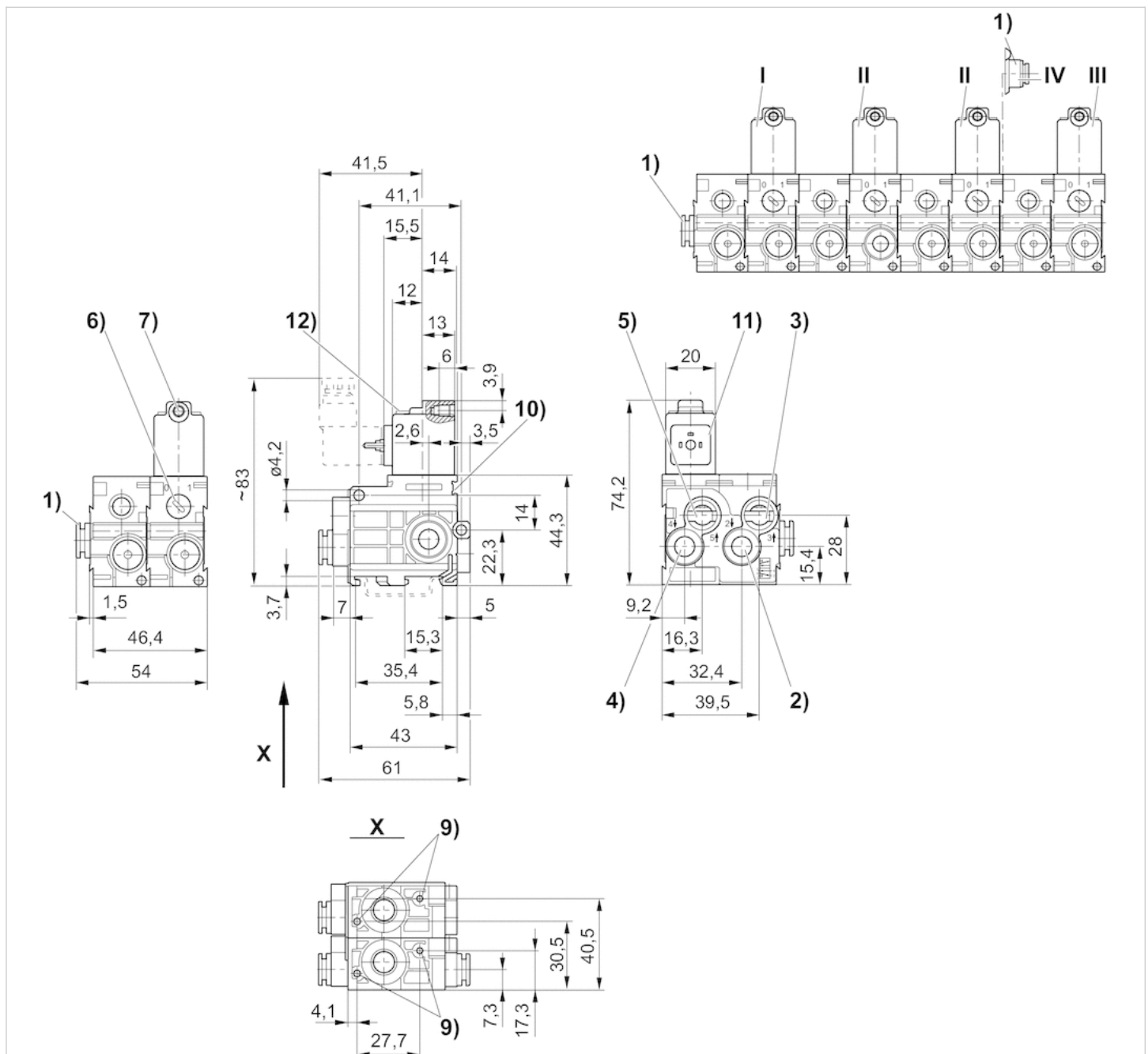
At an ambient temperature of 40 °C the max. working pressure is 10 bar .
Versions with voltage of less than 50 V DC do not have a protective ground.

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber Polyurethane

Dimensions

Dimensions



1) Port 1

- 2) Port 2
- 3) Port 3
- 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

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2020-12



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