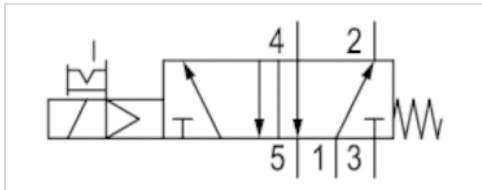






















# 5/2-directional valve, Series 579









- Qn = 600 l/min
- Pipe connection
- Compressed air connection output Ø 8x1
- Electrical connection Plug, ISO 15217, form C
- Manual override with detent



Version	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 <sup>3</sup>
Nominal flow Qn	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
5796905280	NC		Stacking valve, additional pressure connection

Part No.		MO	Type
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		Operationalvoltage
	Input	Output	
5790900210	Ø 8x1	Ø 8x1	12 V
5790900220	Ø 8x1	Ø 8x1	24 V
5790900620	Ø 8x1	Ø 8x1	24 V
5790905220	Ø 8x1	Ø 8x1	-
5790905270	Ø 8x1	Ø 8x1	-
5790905280	Ø 8x1	Ø 8x1	-
5790905680	Ø 8x1	Ø 8x1	-
5791900210	-	Ø 8x1	12 V
5791900220	-	Ø 8x1	24 V
5791900620	-	Ø 8x1	24 V
5791905220	-	Ø 8x1	-
5791905270	-	Ø 8x1	-
5791905280	-	Ø 8x1	-
5791905680	-	Ø 8x1	-
5796900210	Ø 8x1	Ø 8x1	12 V
5796900220	Ø 8x1	Ø 8x1	24 V
5796900620	Ø 8x1	Ø 8x1	24 V
5796905220	Ø 8x1	Ø 8x1	-
5796905270	Ø 8x1	Ø 8x1	-
5796905280	Ø 8x1	Ø 8x1	-
5796905680	Ø 8x1	Ø 8x1	-
5792900210	-	Ø 8x1	12 V
5792900220	-	Ø 8x1	24 V
5792900620	-	Ø 8x1	24 V
5792905220	-	Ø 8x1	-
5792905270	-	Ø 8x1	-
5792905280	-	Ø 8x1	-
5792905680	-	Ø 8x1	-

Part No.	Operationalvoltage	Operationalvoltage	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5790900210	-	-	1,6 W	-
5790900220	-	-	1,6 W	-
5790900620	-	-	1,7 W	-
5790905220	24 V	24 V	-	2,2 VA
5790905270	110 V	110 V	-	3 VA
5790905280	230 V	230 V	-	2,3 VA
5790905680	230 V	230 V	-	2,5 VA

Part No.	Operationalvoltage		Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5791900210	-	-	1,6 W	-
5791900220	-	-	1,6 W	-
5791900620	-	-	1,7 W	-
5791905220	24 V	24 V	-	2,2 VA
5791905270	110 V	110 V	-	3 VA
5791905280	230 V	230 V	-	2,3 VA
5791905680	230 V	230 V	-	2,5 VA
5796900210	-	-	1,6 W	-
5796900220	-	-	1,6 W	-
5796900620	-	-	1,7 W	-
5796905220	24 V	24 V	-	2,2 VA
5796905270	110 V	110 V	-	3 VA
5796905280	230 V	230 V	-	2,3 VA
5796905680	230 V	230 V	-	2,5 VA
5792900210	-	-	1,6 W	-
5792900220	-	-	1,6 W	-
5792900620	-	-	1,7 W	-
5792905220	24 V	24 V	-	2,2 VA
5792905270	110 V	110 V	-	3 VA
5792905280	230 V	230 V	-	2,3 VA
5792905680	230 V	230 V	-	2,5 VA

Part No.	Holding power	Switch-on power	Switch-on power	Pilot	LED
	AC 60 Hz	AC 50 Hz	AC 60 Hz		
5790900210	-	-	-	internal	-
5790900220	-	-	-	internal	-
5790900620	-	-	-	internal	Red
5790905220	1,8 VA	3 VA	2,6 VA	internal	-
5790905270	2,4 VA	4,2 VA	3,4 VA	internal	-
5790905280	2 VA	3,2 VA	2,8 VA	internal	-
5790905680	2,2 VA	3,4 VA	3 VA	internal	Red
5791900210	-	-	-	internal	-
5791900220	-	-	-	internal	-
5791900620	-	-	-	internal	Red
5791905220	1,8 VA	3 VA	2,6 VA	internal	-
5791905270	2,4 VA	4,2 VA	3,4 VA	internal	-
5791905280	2 VA	3,2 VA	2,8 VA	internal	-
5791905680	2,2 VA	3,4 VA	3 VA	internal	Red
5796900210	-	-	-	internal	-
5796900220	-	-	-	internal	-
5796900620	-	-	-	internal	Red
5796905220	1,8 VA	3 VA	2,6 VA	internal	-
5796905270	2,4 VA	4,2 VA	3,4 VA	internal	-
5796905280	2 VA	3,2 VA	2,8 VA	internal	-
5796905680	2,2 VA	3,4 VA	3 VA	internal	Red
5792900210	-	-	-	internal	-
5792900220	-	-	-	internal	-
5792900620	-	-	-	internal	Red

Part No.	Holding power	Switch-on power	Switch-on power	Pilot	LED
	AC 60 Hz	AC 50 Hz	AC 60 Hz		
5792905220	1,8 VA	3 VA	2,6 VA	internal	-
5792905270	2,4 VA	4,2 VA	3,4 VA	internal	-
5792905280	2 VA	3,2 VA	2,8 VA	internal	-
5792905680	2,2 VA	3,4 VA	3 VA	internal	Red

Part No.	Protected against polarity reversal	
5790900210	Protected against polarity reversal	-
5790900220	Protected against polarity reversal	-
5790900620	Protected against polarity reversal	1)
5790905220	Protected against polarity reversal	-
5790905270	Protected against polarity reversal	-
5790905280	Protected against polarity reversal	-
5790905680	Protected against polarity reversal	-
5791900210	Protected against polarity reversal	-
5791900220	Protected against polarity reversal	-
5791900620	Protected against polarity reversal	1)
5791905220	Protected against polarity reversal	-
5791905270	Protected against polarity reversal	-
5791905280	Protected against polarity reversal	-
5791905680	Protected against polarity reversal	-
5796900210	Protected against polarity reversal	-
5796900220	Protected against polarity reversal	-
5796900620	Protected against polarity reversal	1)
5796905220	Protected against polarity reversal	-
5796905270	Protected against polarity reversal	-
5796905280	Protected against polarity reversal	-
5796905680	Protected against polarity reversal	-
5792900210	Protected against polarity reversal	-
5792900220	Protected against polarity reversal	-
5792900620	Protected against polarity reversal	1)
5792905220	Protected against polarity reversal	-
5792905270	Protected against polarity reversal	-
5792905280	Protected against polarity reversal	-
5792905680	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 .

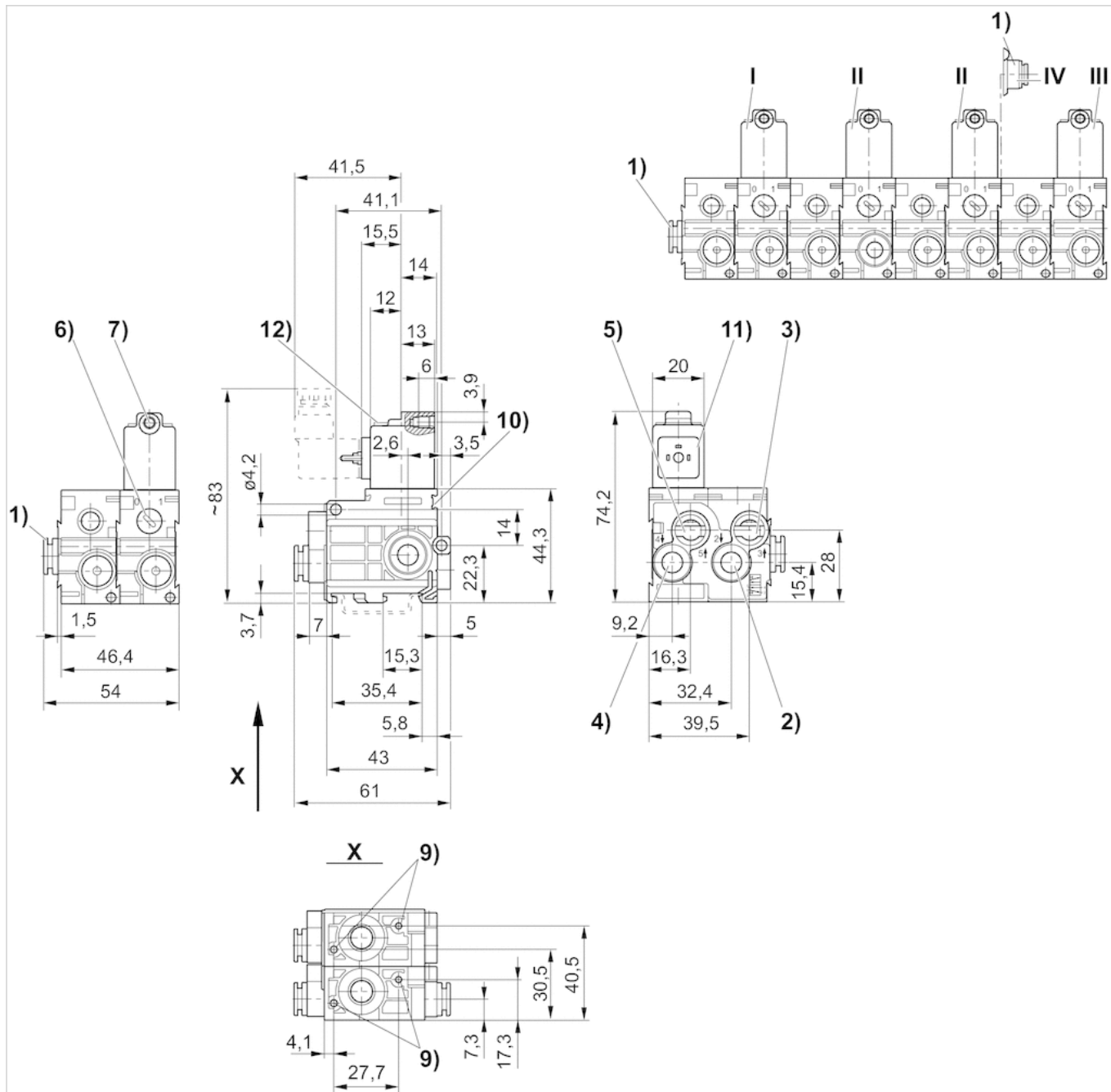
Versions with voltage of less than 50 V DC do not have a protective ground.

## Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber Polyurethane

## Dimensions

### Dimensions



1) Port 12) Port 23) Port 34) Port 45) Port 56) Manual override 7) Core  $\phi$  for M58) 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

UK Office  
5 Caulside Drive  
Antrim  
BT41 2DU  
United Kingdom  
+44 (0) 28 9448 1808

European Office  
Unit 6, Saint Anthony's Business Park  
Dublin  
D22 VW95  
Ireland  
+353 (0) 1 4373653

