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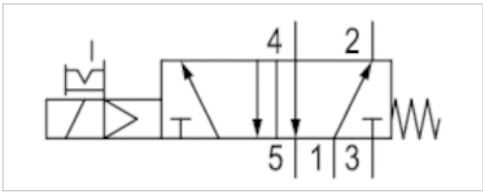
5/2-directional valve, Series 579

- Qn = 520 l/min
- Pipe connection
- Compressed air connection output Ø6x1
- 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/m³
Nominal flow Qn	520 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
5790800210		-		Inlet valve
5790800220		-		Inlet valve
5790800620		-		Inlet valve
5790805220		-		Inlet valve
5790805270		-		Inlet valve
5790805280		-		Inlet valve
5790805680		-		Inlet valve
5791805220		-		Stacking valve
5791800210		-		Stacking valve
5791800220		-		Stacking valve
5791800620		-		Stacking valve
5791805270		-		Stacking valve
5791805280		-		Stacking valve
5791805680		-		Stacking valve
5796700210		NC		Stacking valve, additional pressure connection
5796700220		NC		Stacking valve, additional pressure connection
5796700620		NC		Stacking valve, additional pressure connection
5796705220		NC		Stacking valve, additional pressure connection
5796705270		NC		Stacking valve, additional pressure connection
5796705280		NC		Stacking valve, additional pressure connection

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Part No.			MO	Type
5796705680		NC		Stacking valve, additional pressure connection
5796800210		NC		Stacking valve, additional pressure connection
5796800220		NC		Stacking valve, additional pressure connection
5796800620		NC		Stacking valve, additional pressure connection
5796805220		NC		Stacking valve, additional pressure connection
5796805270		NC		Stacking valve, additional pressure connection
5796805280		NC		Stacking valve, additional pressure connection
5796805680		NC		Stacking valve, additional pressure connection
5792800210	–	NC		End valve
5792800220	–	NC		End valve
5792800620	–	NC		End valve
5792805220	–	NC		End valve
5792805270	–	NC		End valve
5792805280	–	NC		End valve
5792805680	–	NC		End valve

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Input	Output	DC
5790800210	Ø 8x1	Ø6x1	12 V
5790800220	Ø 8x1	Ø6x1	24 V
5790800620	Ø 8x1	Ø6x1	24 V
5790805220	Ø 8x1	Ø6x1	-
5790805270	Ø 8x1	Ø6x1	-
5790805280	Ø 8x1	Ø6x1	-
5790805680	Ø 8x1	Ø6x1	-
5791805220	-	Ø6x1	-
5791800210	-	Ø6x1	12 V
5791800220	-	Ø6x1	24 V
5791800620	-	Ø6x1	24 V
5791805270	-	Ø6x1	-
5791805280	-	Ø6x1	-
5791805680	-	Ø6x1	-
5796700210	Ø6x1	Ø6x1	12 V
5796700220	Ø6x1	Ø6x1	24 V
5796700620	Ø6x1	Ø6x1	24 V
5796705220	Ø6x1	Ø6x1	-
5796705270	Ø6x1	Ø6x1	-
5796705280	Ø6x1	Ø6x1	-
5796705680	Ø6x1	Ø6x1	-
5796800210	Ø 8x1	Ø6x1	12 V
5796800220	Ø 8x1	Ø6x1	24 V
5796800620	Ø 8x1	Ø6x1	24 V
5796805220	Ø 8x1	Ø6x1	-
5796805270	Ø 8x1	Ø6x1	-
5796805280	Ø 8x1	Ø6x1	-
5796805680	Ø 8x1	Ø6x1	-
5792800210	-	Ø6x1	12 V
5792800220	-	Ø6x1	24 V

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Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Input	Output	DC
5792800620	-	Ø6x1	24 V
5792805220	-	Ø6x1	-
5792805270	-	Ø6x1	-
5792805280	-	Ø6x1	-
5792805680	-	Ø6x1	-

Part No.	Operationalvoltage	Operationalvoltage	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5790800210	-	-	1,6 W	-
5790800220	-	-	1,6 W	-
5790800620	-	-	1,7 W	-
5790805220	24 V	24 V	-	2,2 VA
5790805270	110 V	110 V	-	3 VA
5790805280	230 V	230 V	-	2,3 VA
5790805680	230 V	230 V	-	2,5 VA
5791805220	24 V	24 V	-	2,2 VA
5791800210	-	-	1,6 W	-
5791800220	-	-	1,6 W	-
5791800620	-	-	1,7 W	-
5791805270	110 V	110 V	-	3 VA
5791805280	230 V	230 V	-	2,3 VA
5791805680	230 V	230 V	-	2,5 VA
5796700210	-	-	1,6 W	-
5796700220	-	-	1,6 W	-
5796700620	-	-	1,7 W	-
5796705220	24 V	24 V	-	2,2 VA
5796705270	110 V	110 V	-	3 VA
5796705280	230 V	230 V	-	2,3 VA
5796705680	230 V	230 V	-	2,5 VA
5796800210	-	-	1,6 W	-
5796800220	-	-	1,6 W	-
5796800620	-	-	1,7 W	-
5796805220	24 V	24 V	-	2,2 VA
5796805270	110 V	110 V	-	3 VA
5796805280	230 V	230 V	-	2,3 VA
5796805680	230 V	230 V	-	2,5 VA
5792800210	-	-	1,6 W	-
5792800220	-	-	1,6 W	-
5792800620	-	-	1,7 W	-
5792805220	24 V	24 V	-	2,2 VA
5792805270	110 V	110 V	-	3 VA
5792805280	230 V	230 V	-	2,3 VA
5792805680	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		
5790800210	-	-	-	internal	-
5790800220	-	-	-	internal	-
5790800620	-	-	-	internal	Red

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Part No.	Holding power	Switch-on power	Switch-on power	Pilot	LED
	AC 60 Hz	AC 50 Hz	AC 60 Hz		
5790805220	1,8 VA	3 VA	2,6 VA	internal	-
5790805270	2,4 VA	4,2 VA	3,4 VA	internal	-
5790805280	2 VA	3,2 VA	2,8 VA	internal	-
5790805680	2,2 VA	3,4 VA	3 VA	internal	Red
5791805220	1,8 VA	3 VA	2,6 VA	internal	-
5791800210	-	-	-	internal	-
5791800220	-	-	-	internal	-
5791800620	-	-	-	internal	Red
5791805270	2,4 VA	4,2 VA	3,4 VA	internal	-
5791805280	2 VA	3,2 VA	2,8 VA	internal	-
5791805680	2,2 VA	3,4 VA	3 VA	internal	Red
5796700210	-	-	-	internal	-
5796700220	-	-	-	internal	-
5796700620	-	-	-	internal	Red
5796705220	1,8 VA	3 VA	2,6 VA	internal	-
5796705270	2,4 VA	4,2 VA	3,4 VA	internal	-
5796705280	2 VA	3,2 VA	2,8 VA	internal	-
5796705680	2,2 VA	3,4 VA	3 VA	internal	Red
5796800210	-	-	-	internal	-
5796800220	-	-	-	internal	-
5796800620	-	-	-	internal	Red
5796805220	1,8 VA	3 VA	2,6 VA	internal	-
5796805270	2,4 VA	4,2 VA	3,4 VA	internal	-
5796805280	2 VA	3,2 VA	2,8 VA	internal	-
5796805680	2,2 VA	3,4 VA	3 VA	internal	Red
5792800210	-	-	-	internal	-
5792800220	-	-	-	internal	-
5792800620	-	-	-	internal	Red
5792805220	1,8 VA	3 VA	2,6 VA	internal	-
5792805270	2,4 VA	4,2 VA	3,4 VA	internal	-
5792805280	2 VA	3,2 VA	2,8 VA	internal	-
5792805680	2,2 VA	3,4 VA	3 VA	internal	Red

Part No.	Protected against polarity reversal	
5790800210	Protected against polarity reversal	-
5790800220	Protected against polarity reversal	-
5790800620	Protected against polarity reversal	1)
5790805220	Protected against polarity reversal	-
5790805270	Protected against polarity reversal	-
5790805280	Protected against polarity reversal	-
5790805680	Protected against polarity reversal	-
5791805220	Protected against polarity reversal	-
5791800210	Protected against polarity reversal	-
5791800220	Protected against polarity reversal	-
5791800620	Protected against polarity reversal	1)
5791805270	Protected against polarity reversal	-
5791805280	Protected against polarity reversal	-

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Part No.	Protected against polarity reversal	
5791805680	Protected against polarity reversal	-
5796700210	Protected against polarity reversal	-
5796700220	Protected against polarity reversal	-
5796700620	Protected against polarity reversal	1)
5796705220	Protected against polarity reversal	-
5796705270	Protected against polarity reversal	-
5796705280	Protected against polarity reversal	-
5796705680	Protected against polarity reversal	-
5796800210	Protected against polarity reversal	-
5796800220	Protected against polarity reversal	-
5796800620	Protected against polarity reversal	1)
5796805220	Protected against polarity reversal	-
5796805270	Protected against polarity reversal	-
5796805280	Protected against polarity reversal	-
5796805680	Protected against polarity reversal	-
5792800210	Protected against polarity reversal	-
5792800220	Protected against polarity reversal	-
5792800620	Protected against polarity reversal	1)
5792805220	Protected against polarity reversal	-
5792805270	Protected against polarity reversal	-
5792805280	Protected against polarity reversal	-
5792805680	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

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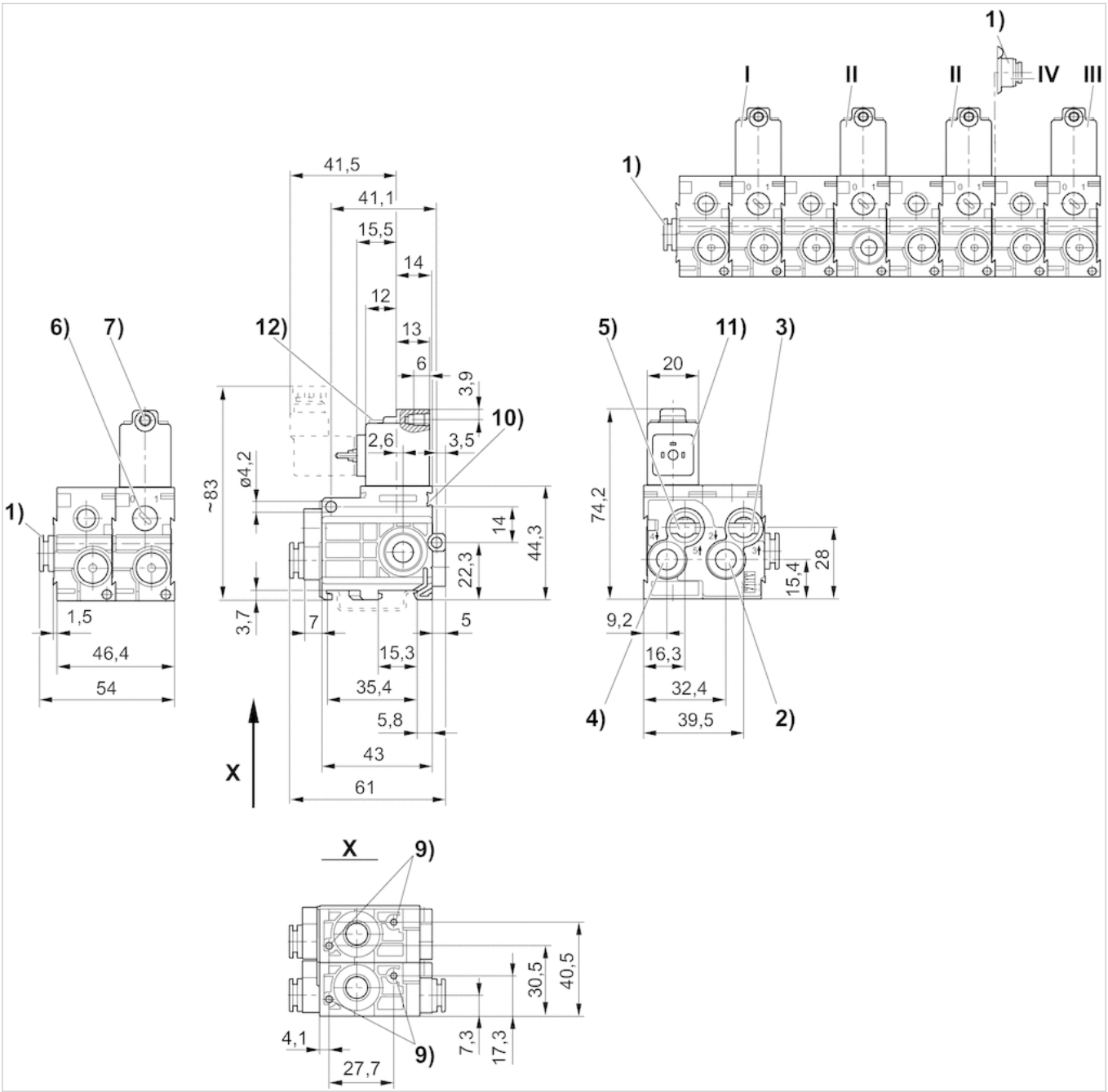
Dimensions

Dimensions



1) Port 12) Port 23) Port 34) Port 45) Port 56) Manual override7) Core Ø for M58) Exhaust air must not be throttled9) Pocket hole 6 mm deep for 3.5 self-tapping screw10) mounting space for name plate11) Coil can be rotated at 180° intervals12) 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