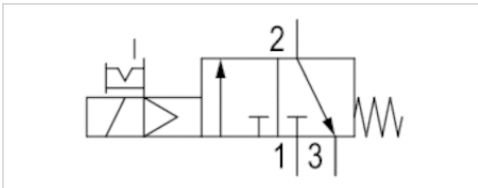










































3/2-directional valve, Series 579

- 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/m ³
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	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
5796405280		NC		Stacking valve, additional pressure connection

Part No.			MO	Type
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		Operational voltage
	Input	Output	
5790500210	Ø 8x1	Ø6x1	12 V
5790500220	Ø 8x1	Ø6x1	24 V
5790500620	Ø 8x1	Ø6x1	24 V
5790505220	Ø 8x1	Ø6x1	-
5790505270	Ø 8x1	Ø6x1	-
5790505280	Ø 8x1	Ø6x1	-
5790505680	Ø 8x1	Ø6x1	-
5791500210	-	Ø6x1	12 V
5791500220	-	Ø6x1	24 V
5791500620	-	Ø6x1	24 V
5791505220	-	Ø6x1	-
5791505270	-	Ø6x1	-
5791505280	-	Ø6x1	-
5791505680	-	Ø6x1	-
5796400210	Ø6x1	Ø6x1	12 V
5796400220	Ø6x1	Ø6x1	24 V
5796400620	Ø6x1	Ø6x1	24 V
5796405220	Ø6x1	Ø6x1	-
5796405270	Ø6x1	Ø6x1	-
5796405280	Ø6x1	Ø6x1	-
5796405680	Ø6x1	Ø6x1	-
5796500210	Ø 8x1	Ø6x1	12 V
5796500220	Ø 8x1	Ø6x1	24 V
5796500620	Ø 8x1	Ø6x1	24 V
5796505220	Ø 8x1	Ø6x1	-
5796505270	Ø 8x1	Ø6x1	-
5796505280	Ø 8x1	Ø6x1	-
5796505680	Ø 8x1	Ø6x1	-
5792500210	-	Ø6x1	12 V
5792500220	-	Ø6x1	24 V

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Input	Output	DC
5792500620	-	Ø6x1	24 V
5792505220	-	Ø6x1	-
5792505270	-	Ø6x1	-
5792505280	-	Ø6x1	-
5792505680	-	Ø6x1	-

Part No.	Operationalvoltage	Operationalvoltage	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5790500210	-	-	1,6 W	-
5790500220	-	-	1,6 W	-
5790500620	-	-	1,7 W	-
5790505220	24 V	24 V	-	2,2 VA
5790505270	110 V	110 V	-	3 VA
5790505280	230 V	230 V	-	2,3 VA
5790505680	230 V	230 V	-	2,5 VA
5791500210	-	-	1,6 W	-
5791500220	-	-	1,6 W	-
5791500620	-	-	1,7 W	-
5791505220	24 V	24 V	-	2,2 VA
5791505270	110 V	110 V	-	3 VA
5791505280	230 V	230 V	-	2,3 VA
5791505680	230 V	230 V	-	2,5 VA
5796400210	-	-	1,6 W	-
5796400220	-	-	1,6 W	-
5796400620	-	-	1,7 W	-
5796405220	24 V	24 V	-	2,2 VA
5796405270	110 V	110 V	-	3 VA
5796405280	230 V	230 V	-	2,3 VA
5796405680	230 V	230 V	-	2,5 VA
5796500210	-	-	1,6 W	-
5796500220	-	-	1,6 W	-
5796500620	-	-	1,7 W	-
5796505220	24 V	24 V	-	2,2 VA
5796505270	110 V	110 V	-	3 VA
5796505280	230 V	230 V	-	2,3 VA
5796505680	230 V	230 V	-	2,5 VA
5792500210	-	-	1,6 W	-
5792500220	-	-	1,6 W	-
5792500620	-	-	1,7 W	-
5792505220	24 V	24 V	-	2,2 VA
5792505270	110 V	110 V	-	3 VA
5792505280	230 V	230 V	-	2,3 VA
5792505680	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		
5790500210	-	-	-	internal	-
5790500220	-	-	-	internal	-
5790500620	-	-	-	internal	Red

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

Part No.	Protected against polarity reversal	
5790500210	Protected against polarity reversal	-
5790500220	Protected against polarity reversal	-
5790500620	Protected against polarity reversal	1)
5790505220	Protected against polarity reversal	-
5790505270	Protected against polarity reversal	-
5790505280	Protected against polarity reversal	-
5790505680	Protected against polarity reversal	-
5791500210	Protected against polarity reversal	-
5791500220	Protected against polarity reversal	-
5791500620	Protected against polarity reversal	1)
5791505220	Protected against polarity reversal	-
5791505270	Protected against polarity reversal	-
5791505280	Protected against polarity reversal	-

Part No.	Protected against polarity reversal	
5791505680	Protected against polarity reversal	-
5796400210	Protected against polarity reversal	-
5796400220	Protected against polarity reversal	-
5796400620	Protected against polarity reversal	1)
5796405220	Protected against polarity reversal	-
5796405270	Protected against polarity reversal	-
5796405280	Protected against polarity reversal	-
5796405680	Protected against polarity reversal	-
5796500210	Protected against polarity reversal	-
5796500220	Protected against polarity reversal	-
5796500620	Protected against polarity reversal	1)
5796505220	Protected against polarity reversal	-
5796505270	Protected against polarity reversal	-
5796505280	Protected against polarity reversal	-
5796505680	Protected against polarity reversal	-
5792500210	Protected against polarity reversal	-
5792500220	Protected against polarity reversal	-
5792500620	Protected against polarity reversal	1)
5792505220	Protected against polarity reversal	-
5792505270	Protected against polarity reversal	-
5792505280	Protected against polarity reversal	-
5792505680	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).

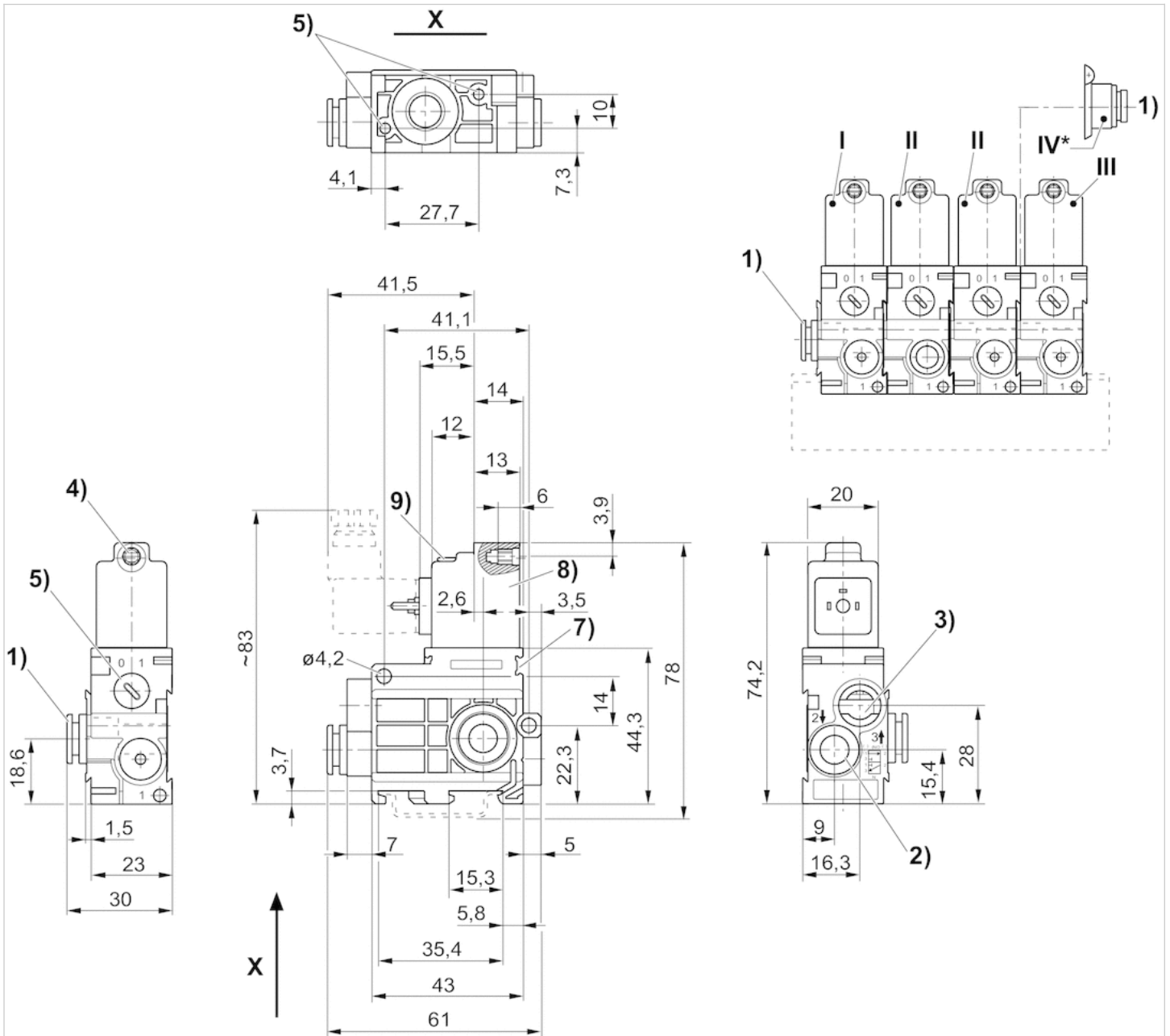
At an ambient temperature of 40 °C the max. working pressure is 10 bar .
 Versions with voltage of less than 50 V DC do not have a protective ground.

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber Polyurethane

Dimensions

Dimensions



1) Port 12) Port 23) Port 3, exhaust air must not be throttled4) Core Ø for M55) Manual override6) Pocket hole 6 mm deep for 3.5 self-tapping screw7) Mounting space for name plate8) Coil can be rotated at 180° intervals9) 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