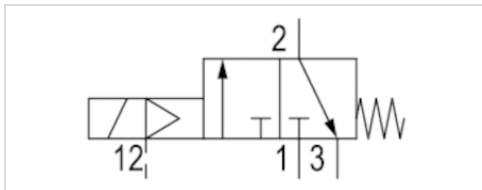


# 3/2-directional valve, Series 579

- Qn = 520 l/min
- Pipe connection
- Compressed air connection output Ø6x1
- Electrical connection Plug, ISO 15217, form C



Version	Poppet valve
Activation	Electrically
Pilot	external
Sealing principle	Soft sealing
Working pressure min./max.	0,5 ... 8 bar
Control 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	See table
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.		Type	Compressed air connection	
			Input	Output
5794475220	NC	single valve	Ø6x1	Ø6x1
5794475270	NC	single valve	Ø6x1	Ø6x1
5794475280	NC	single valve	Ø6x1	Ø6x1
5794475680	NC	single valve	Ø6x1	Ø6x1
5794470210	NC	single valve	Ø6x1	Ø6x1
5794470620	NC	single valve	Ø6x1	Ø6x1
5794470220	NC	single valve	Ø6x1	Ø6x1
5794670210	NC	single valve	Ø 8x1	Ø 8x1
5794670220	NC	single valve	Ø 8x1	Ø 8x1
5794670620	NC	single valve	Ø 8x1	Ø 8x1
5794675220	NC	single valve	Ø 8x1	Ø 8x1
5794675270	NC	single valve	Ø 8x1	Ø 8x1
5794675280	NC	single valve	Ø 8x1	Ø 8x1
5794675680	NC	single valve	Ø 8x1	Ø 8x1

Part No.	Compressed air connection		Operational voltage	
	Pilot connection		DC	AC 50 Hz
5794475220	Ø 4		-	24 V
5794475270	Ø 4		-	110 V
5794475280	Ø 4		-	230 V

Part No.	Compressed air connection	Operationalvoltage	Operationalvoltage
	Pilot connection	DC	AC 50 Hz
5794475680	Ø 4	-	230 V
5794470210	Ø 4	12 V	-
5794470620	Ø 4	24 V	-
5794470220	Ø 4	24 V	-
5794670210	Ø 4	12 V	-
5794670220	Ø 4	24 V	-
5794670620	Ø 4	24 V	-
5794675220	Ø 4	-	24 V
5794675270	Ø 4	-	110 V
5794675280	Ø 4	-	230 V
5794675680	Ø 4	-	230 V

Part No.	Operationalvoltage	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5794475220	24 V	-	2,2 VA	1,8 VA
5794475270	110 V	-	3 VA	2,4 VA
5794475280	230 V	-	2,3 VA	2 VA
5794475680	230 V	-	2,5 VA	2,2 VA
5794470210	-	1,6 W	-	-
5794470620	-	1,7 W	-	-
5794470220	-	1,6 W	-	-
5794670210	-	1,6 W	-	-
5794670220	-	1,6 W	-	-
5794670620	-	1,7 W	-	-
5794675220	24 V	-	2,2 VA	1,8 VA
5794675270	110 V	-	3 VA	2,4 VA
5794675280	230 V	-	2,3 VA	2 VA
5794675680	230 V	-	2,5 VA	2,2 VA

Part No.	Switch-on power	Switch-on power	Pilot	Flow	LED
	AC 50 Hz	AC 60 Hz		Qn	
5794475220	3 VA	2,6 VA	external	520 l/min	-
5794475270	4,2 VA	3,4 VA	external	520 l/min	-
5794475280	3,2 VA	2,8 VA	external	520 l/min	-
5794475680	3,4 VA	3 VA	external	520 l/min	Red
5794470210	-	-	external	520 l/min	-
5794470620	-	-	external	520 l/min	Red
5794470220	-	-	external	520 l/min	-
5794670210	-	-	external	850 l/min	-
5794670220	-	-	external	850 l/min	-
5794670620	-	-	external	850 l/min	Red
5794675220	3 VA	2,6 VA	external	850 l/min	-
5794675270	4,2 VA	3,4 VA	external	850 l/min	-
5794675280	3,2 VA	2,8 VA	external	850 l/min	-
5794675680	3,4 VA	3 VA	external	850 l/min	Red

Part No.	Protected against polarity reversal	
5794475220	Protected against polarity reversal	-



Part No.	Protected against polarity reversal	
5794475270	Protected against polarity reversal	-
5794475280	Protected against polarity reversal	-
5794475680	Protected against polarity reversal	-
5794470210	Protected against polarity reversal	-
5794470620	Protected against polarity reversal	1)
5794470220	Protected against polarity reversal	-
5794670210	Protected against polarity reversal	-
5794670220	Protected against polarity reversal	-
5794670620	Protected against polarity reversal	1)
5794675220	Protected against polarity reversal	-
5794675270	Protected against polarity reversal	-
5794675280	Protected against polarity reversal	-
5794675680	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.  
 The control pressure must be at least as high as the working pressure.

## Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber Polyurethane

