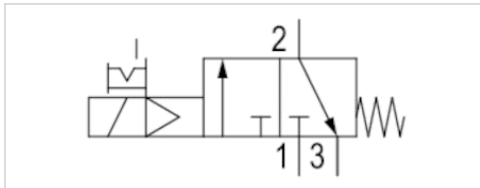


3/2-directional valve, Series 579










- Qn = 850 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 |
| Control pressure min./max. | See table below |
| 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 | 850 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 |
|------------|----|----|--|
| 5790600210 | NC | | Inlet valve |
| 5790600220 | NC | | Inlet valve |
| 5790600620 | NC | | Inlet valve |
| 5790605220 | NC | | Inlet valve |
| 5790605270 | NC | | Inlet valve |
| 5790605280 | NC | | Inlet valve |
| 5790605680 | NC | | Inlet valve |
| 5791600210 | NC | | Stacking valve |
| 5791600220 | NC | | Stacking valve |
| 5791600620 | NC | | Stacking valve |
| 5791605220 | NC | | Stacking valve |
| 5791605270 | NC | | Stacking valve |
| 5791605280 | NC | | Stacking valve |
| 5791605680 | NC | | Stacking valve |
| 5796600210 | NC | | Stacking valve, additional pressure connection |
| 5796600220 | NC | | Stacking valve, additional pressure connection |
| 5796600620 | NC | | Stacking valve, additional pressure connection |
| 5796605220 | NC | | Stacking valve, additional pressure connection |
| 5796605270 | NC | | Stacking valve, additional pressure connection |

| Part No. | | MO | Type |
|------------|----|---|--|
| 5796605280 | NC |  | Stacking valve, additional pressure connection |
| 5796605680 | NC |  | Stacking valve, additional pressure connection |
| 5792600210 | NC |  | End valve |
| 5792600220 | NC |  | End valve |
| 5792600620 | NC |  | End valve |
| 5792605220 | NC |  | End valve |
| 5792605270 | NC |  | End valve |
| 5792605280 | NC |  | End valve |
| 5792605680 | NC |  | End valve |

| Part No. | Compressed air connection | | Operational voltage |
|------------|---------------------------|--------|---------------------|
| | Input | Output | |
| 5790600210 | Ø 8x1 | Ø 8x1 | 12 V |
| 5790600220 | Ø 8x1 | Ø 8x1 | 24 V |
| 5790600620 | Ø 8x1 | Ø 8x1 | 24 V |
| 5790605220 | Ø 8x1 | Ø 8x1 | - |
| 5790605270 | Ø 8x1 | Ø 8x1 | - |
| 5790605280 | Ø 8x1 | Ø 8x1 | - |
| 5790605680 | Ø 8x1 | Ø 8x1 | - |
| 5791600210 | - | Ø 8x1 | 12 V |
| 5791600220 | - | Ø 8x1 | 24 V |
| 5791600620 | - | Ø 8x1 | 24 V |
| 5791605220 | - | Ø 8x1 | - |
| 5791605270 | - | Ø 8x1 | - |
| 5791605280 | - | Ø 8x1 | - |
| 5791605680 | - | Ø 8x1 | - |
| 5796600210 | Ø 8x1 | Ø 8x1 | 12 V |
| 5796600220 | Ø 8x1 | Ø 8x1 | 24 V |
| 5796600620 | Ø 8x1 | Ø 8x1 | 24 V |
| 5796605220 | Ø 8x1 | Ø 8x1 | - |
| 5796605270 | Ø 8x1 | Ø 8x1 | - |
| 5796605280 | Ø 8x1 | Ø 8x1 | - |
| 5796605680 | Ø 8x1 | Ø 8x1 | - |
| 5792600210 | - | Ø 8x1 | 12 V |
| 5792600220 | - | Ø 8x1 | 24 V |
| 5792600620 | - | Ø 8x1 | 24 V |
| 5792605220 | - | Ø 8x1 | - |
| 5792605270 | - | Ø 8x1 | - |
| 5792605280 | - | Ø 8x1 | - |
| 5792605680 | - | Ø 8x1 | - |

| Part No. | Operational voltage | | Power consumption | Holding power |
|------------|---------------------|----------|-------------------|---------------|
| | AC 50 Hz | AC 60 Hz | DC | AC 50 Hz |
| 5790600210 | - | - | 1,6 W | - |
| 5790600220 | - | - | 1,6 W | - |
| 5790600620 | - | - | 1,7 W | - |
| 5790605220 | 24 V | 24 V | - | 2,2 VA |
| 5790605270 | 110 V | 110 V | - | 3 VA |
| 5790605280 | 230 V | 230 V | - | 2,3 VA |

| Part No. | Operationalvoltage | | Power consumption | Holding power |
|------------|--------------------|----------|-------------------|---------------|
| | AC 50 Hz | AC 60 Hz | DC | AC 50 Hz |
| 5790605680 | 230 V | 230 V | - | 2,5 VA |
| 5791600210 | - | - | 1,6 W | - |
| 5791600220 | - | - | 1,6 W | - |
| 5791600620 | - | - | 1,7 W | - |
| 5791605220 | 24 V | 24 V | - | 2,2 VA |
| 5791605270 | 110 V | 110 V | - | 3 VA |
| 5791605280 | 230 V | 230 V | - | 2,3 VA |
| 5791605680 | 230 V | 230 V | - | 2,5 VA |
| 5796600210 | - | - | 1,6 W | - |
| 5796600220 | - | - | 1,6 W | - |
| 5796600620 | - | - | 1,7 W | - |
| 5796605220 | 24 V | 24 V | - | 2,2 VA |
| 5796605270 | 110 V | 110 V | - | 3 VA |
| 5796605280 | 230 V | 230 V | - | 2,3 VA |
| 5796605680 | 230 V | 230 V | - | 2,5 VA |
| 5792600210 | - | - | 1,6 W | - |
| 5792600220 | - | - | 1,6 W | - |
| 5792600620 | - | - | 1,7 W | - |
| 5792605220 | 24 V | 24 V | - | 2,2 VA |
| 5792605270 | 110 V | 110 V | - | 3 VA |
| 5792605280 | 230 V | 230 V | - | 2,3 VA |
| 5792605680 | 230 V | 230 V | - | 2,5 VA |

| Part No. | Holding power | Switch-on power | Switch-on power | Pilot | Control pressure min./max. |
|------------|---------------|-----------------|-----------------|----------|----------------------------|
| | AC 60 Hz | AC 50 Hz | AC 60 Hz | | |
| 5790600210 | - | - | - | internal | - |
| 5790600220 | - | - | - | internal | - |
| 5790600620 | - | - | - | internal | - |
| 5790605220 | 1,8 VA | 3 VA | 2,6 VA | internal | - |
| 5790605270 | 2,4 VA | 4,2 VA | 3,4 VA | internal | - |
| 5790605280 | 2 VA | 3,2 VA | 2,8 VA | internal | - |
| 5790605680 | 2,2 VA | 3,4 VA | 3 VA | internal | - |
| 5791600210 | - | - | - | internal | - |
| 5791600220 | - | - | - | internal | - |
| 5791600620 | - | - | - | internal | - |
| 5791605220 | 1,8 VA | 3 VA | 2,6 VA | internal | - |
| 5791605270 | 2,4 VA | 4,2 VA | 3,4 VA | internal | - |
| 5791605280 | 2 VA | 3,2 VA | 2,8 VA | internal | - |
| 5791605680 | 2,2 VA | 3,4 VA | 3 VA | internal | - |
| 5796600210 | - | - | - | internal | 8 bar |
| 5796600220 | - | - | - | internal | 8 bar |
| 5796600620 | - | - | - | internal | 8 bar |
| 5796605220 | 1,8 VA | 3 VA | 2,6 VA | internal | 8 bar |
| 5796605270 | 2,4 VA | 4,2 VA | 3,4 VA | internal | 8 bar |
| 5796605280 | 2 VA | 3,2 VA | 2,8 VA | internal | 8 bar |
| 5796605680 | 2,2 VA | 3,4 VA | 3 VA | internal | 8 bar |
| 5792600210 | - | - | - | internal | - |
| 5792600220 | - | - | - | internal | - |

| Part No. | Holding power | Switch-on power | Switch-on power | Pilot | Control pressure min./max. |
|------------|---------------|-----------------|-----------------|----------|----------------------------|
| | AC 60 Hz | AC 50 Hz | AC 60 Hz | | |
| 5792600620 | - | - | - | internal | - |
| 5792605220 | 1,8 VA | 3 VA | 2,6 VA | internal | - |
| 5792605270 | 2,4 VA | 4,2 VA | 3,4 VA | internal | - |
| 5792605280 | 2 VA | 3,2 VA | 2,8 VA | internal | - |
| 5792605680 | 2,2 VA | 3,4 VA | 3 VA | internal | - |

| Part No. | LED | Protected against polarity reversal | |
|------------|-----|-------------------------------------|----|
| 5790600210 | - | Protected against polarity reversal | - |
| 5790600220 | - | Protected against polarity reversal | - |
| 5790600620 | Red | Protected against polarity reversal | 1) |
| 5790605220 | - | Protected against polarity reversal | - |
| 5790605270 | - | Protected against polarity reversal | - |
| 5790605280 | - | Protected against polarity reversal | - |
| 5790605680 | Red | Protected against polarity reversal | - |
| 5791600210 | - | Protected against polarity reversal | - |
| 5791600220 | - | Protected against polarity reversal | - |
| 5791600620 | Red | Protected against polarity reversal | 1) |
| 5791605220 | - | Protected against polarity reversal | - |
| 5791605270 | - | Protected against polarity reversal | - |
| 5791605280 | - | Protected against polarity reversal | - |
| 5791605680 | Red | Protected against polarity reversal | - |
| 5796600210 | - | Protected against polarity reversal | - |
| 5796600220 | - | Protected against polarity reversal | - |
| 5796600620 | Red | Protected against polarity reversal | 1) |
| 5796605220 | - | Protected against polarity reversal | - |
| 5796605270 | - | Protected against polarity reversal | - |
| 5796605280 | - | Protected against polarity reversal | - |
| 5796605680 | Red | Protected against polarity reversal | - |
| 5792600210 | - | Protected against polarity reversal | - |
| 5792600220 | - | Protected against polarity reversal | - |
| 5792600620 | Red | Protected against polarity reversal | 1) |
| 5792605220 | - | Protected against polarity reversal | - |
| 5792605270 | - | Protected against polarity reversal | - |
| 5792605280 | - | Protected against polarity reversal | - |
| 5792605680 | 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 .

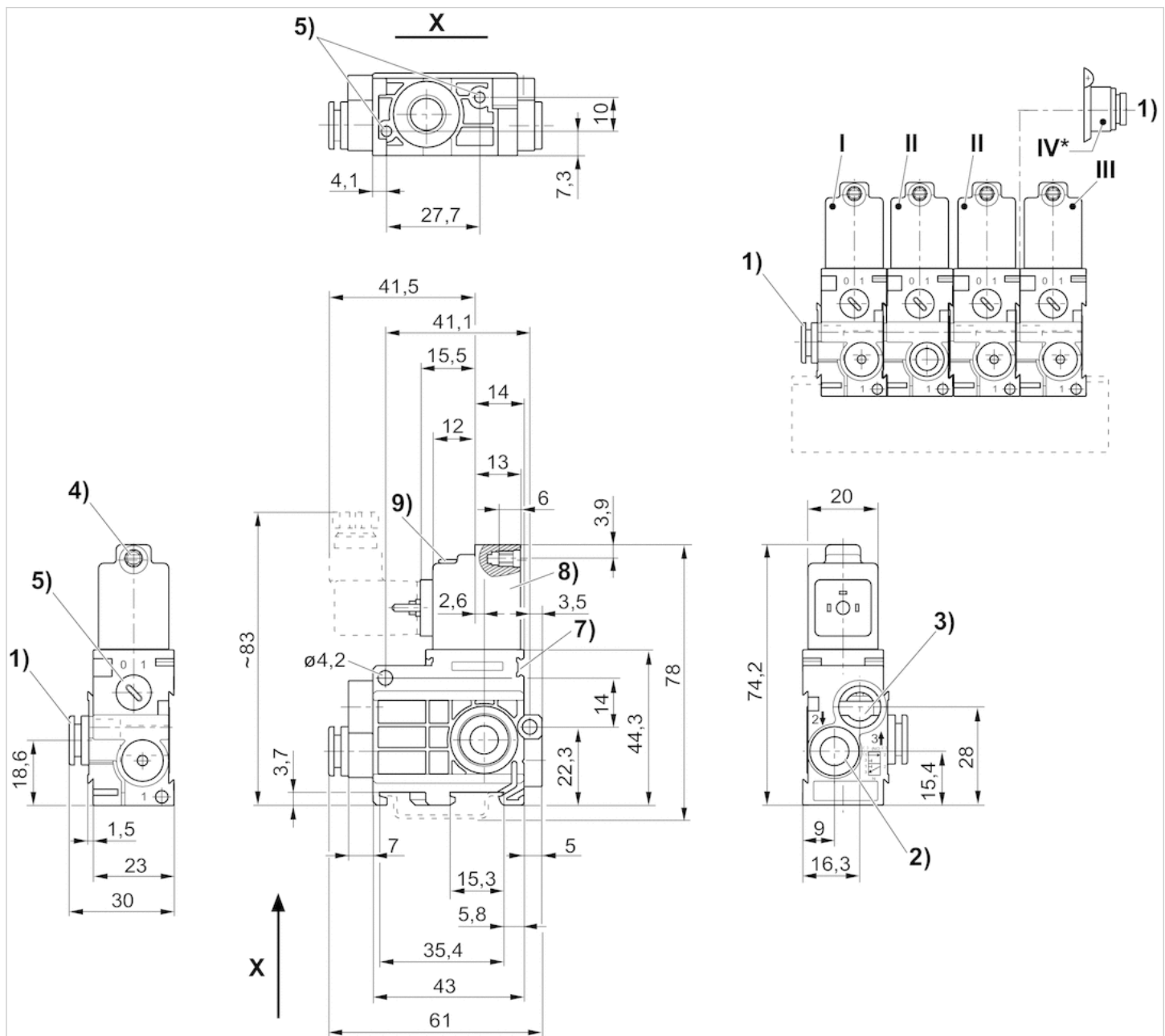
Versions with voltage of less than 50 V DC do not have a protective ground.

Technical information

| Material | |
|----------|---|
| Housing | Polyamide |
| Seals | Acrylonitrile butadiene rubber Polyurethane |

Dimensions

Dimensions



1) Port 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