Series 520









- 5/2

- Qn = 600 l/min

- Pilot valve width: 18 mm

- Pipe connection

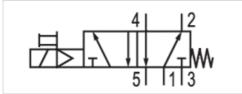
- Compressed air connection output : G 1/8

- Electrical connection: Plug, EN 175301-803, form C

- Manual override : without detent

single solenoidWith spring returnPilot : Internal





| Туре | Spool valve |
|----------------------------------|----------------|
| Activation | Electrically |
| Pilot | Internal |
| Sealing principle | Soft sealing |
| Working pressure min./max. | 1.5 8 bar |
| Control pressure min./max. | 1.5 8 bar |
| Ambient temperature min./max. | 5 50 °C |
| Medium | Compressed air |
| Max. particle size | 5 μm |
| Oil content of compressed air | 0 5 mg/m³ |
| Nominal flow Qn | 600 l/min |
| Connector standard | EN 175301-803 |
| Protection class with connection | IP65 |
| Duty cycle | 100 % |
| Typ. switch-on time | 20 ms |
| Typ. switch-off time | 30 ms |
| mounting screws | M3 |
| Weight | 0.095 kg |

Technical data

| Part No. | Compressed air connection | Compressed air connection | Operational voltage |
|----------|---------------------------|---------------------------|------------------------|
| | Input | Output | AC 50 Hz |
| 52000386 | G 1/8 | G 1/8 | - |
| 52000387 | G 1/8 | G 1/8 | - |
| 52000388 | G 1/8 | G 1/8 | - |
| 52000380 | G 1/8 | G 1/8 | 24 V |

| Part No. | Operational voltage | Power consumption | Switch-on power |
|----------|---------------------|-------------------|-----------------|
| | AC 60 Hz | DC | AC 50 Hz |
| 52000386 | 24 V | - | 2 VA |
| 52000387 | 110 V | - | 2 VA |
| 52000388 | 230 V | - | 2 VA |
| 52000380 | - | 1.6 W | - |



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 .

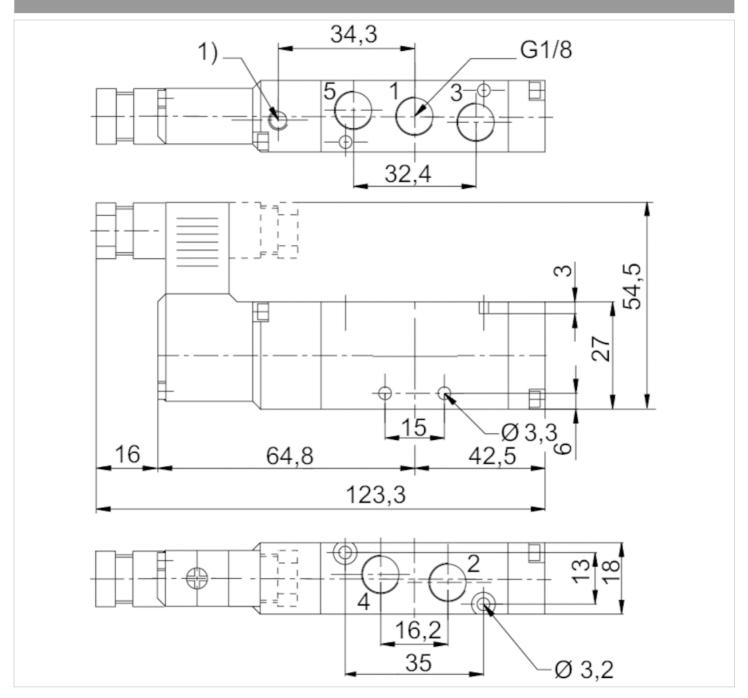
The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

| Material | |
|------------------|--------------------------|
| Housing | Aluminum, anodized |
| Seals | Nitrile butadiene rubber |
| Front plate | Polyoxymethylene |
| Threaded bushing | Aluminum |



Dimensions



1) Pilot Exhaust



Spool valve



5/2-directional valve, Series 520

Type

- 5/2

- Qn = 600 I/min

- Pilot valve width: 18 mm

- Pipe connection

- Compressed air connection output : G 1/8

- Electrical connection: Plug, EN 175301-803, form C

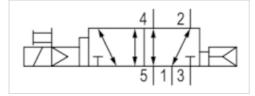
- Manual override : without detent

- single solenoid

- Air return with differential piston

- Pilot : Internal





| Туре | Opool valve |
|----------------------------------|----------------|
| Activation | Electrically |
| Pilot | Internal |
| Sealing principle | Soft sealing |
| Working pressure min./max. | 1.5 8 bar |
| Control pressure min./max. | 1.5 8 bar |
| Ambient temperature min./max. | 5 50 °C |
| Medium | Compressed air |
| Max. particle size | 5 μm |
| Oil content of compressed air | 0 5 mg/m³ |
| Nominal flow Qn | 600 l/min |
| Connector standard | EN 175301-803 |
| Protection class with connection | IP65 |
| Duty cycle | 100 % |
| Typ. switch-on time | 20 ms |
| Typ. switch-off time | 30 ms |
| mounting screws | M3 |
| Weight | 0.095 kg |
| | |

Technical data

| Part No. | Compressed air connection | Compressed air connection | Operational voltage |
|----------|---------------------------|---------------------------|------------------------|
| | Input | Output | DC |
| 52000002 | G 1/8 | G 1/8 | - |
| 52000003 | G 1/8 | G 1/8 | - |
| 52000004 | G 1/8 | G 1/8 | - |
| 52000001 | G 1/8 | G 1/8 | 24 V |

| Part No. | Operational voltage | Power consumption | Switch-on power |
|----------|---------------------|-------------------|-----------------|
| | AC 50 Hz | DC | AC 50 Hz |
| 52000002 | 24 V | - | 2 VA |
| 52000003 | 110 V | - | 2 VA |
| 52000004 | 230 V | - | 2 VA |
| 52000001 | - | 1.6 W | - |



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 .

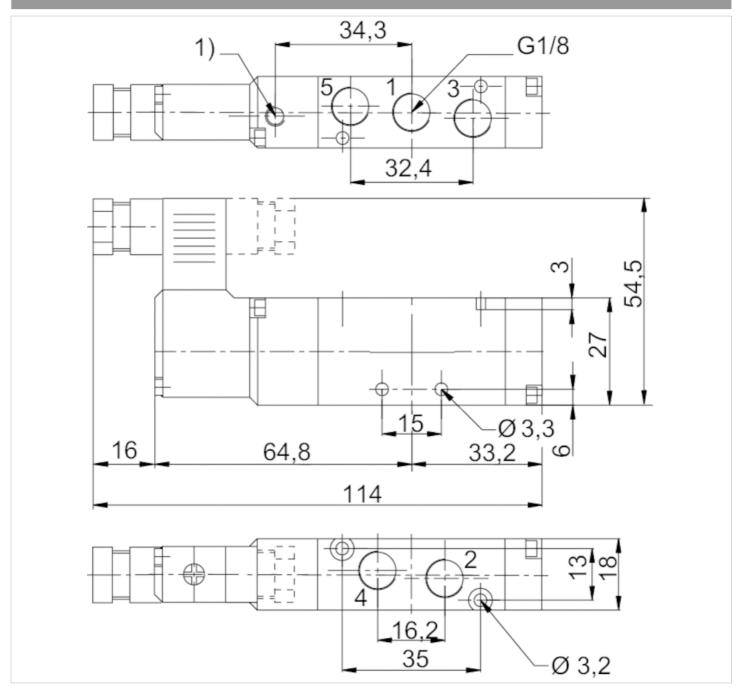
The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

| Material | |
|------------------|--------------------------|
| Housing | Aluminum, anodized |
| Seals | Nitrile butadiene rubber |
| Front plate | Polyoxymethylene |
| Threaded bushing | Aluminum |



Dimensions



1) Pilot Exhaust





- 5/2

- Qn = 600 I/min

- Pilot valve width: 18 mm

- Pipe connection

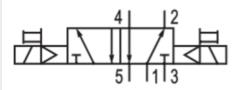
- Compressed air connection output : G 1/8

- Electrical connection : Plug, EN 175301-803, form C

- Manual override : without detent

double solenoidPilot : Internal





| Туре | Spool valve |
|----------------------------------|----------------|
| Activation | Electrically |
| Pilot | Internal |
| Sealing principle | Soft sealing |
| Working pressure min./max. | 1.5 8 bar |
| Control pressure min./max. | 1.5 8 bar |
| Ambient temperature min./max. | 5 50 °C |
| Medium | Compressed air |
| Max. particle size | 5 μm |
| Oil content of compressed air | 0 5 mg/m³ |
| Nominal flow Qn | 600 I/min |
| Connector standard | EN 175301-803 |
| Protection class with connection | IP65 |
| Duty cycle | 100 % |
| Typ. switch-on time | 20 ms |
| mounting screws | M3 |
| Weight | 0.16 kg |

Technical data

| Part No. | Compressed air connection | Compressed air connection | Operational voltage |
|----------|---------------------------|---------------------------|------------------------|
| | Input | Output | DC |
| 52000006 | G 1/8 | G 1/8 | - |
| 52000007 | G 1/8 | G 1/8 | - |
| 52000008 | G 1/8 | G 1/8 | - |
| 52000005 | G 1/8 | G 1/8 | 24 V |

| Part No. | Operational | Power consumption | Switch-on power |
|----------|---------------------|-------------------|-----------------|
| | voltage AC 50 Hz | DC | AC 50 Hz |
| 52000006 | 24 V | - | 2 VA |
| 52000007 | 110 V | - | 2 VA |
| 52000008 | 230 V | - | 2 VA |
| 52000005 | - | 1.6 W | - |



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 .

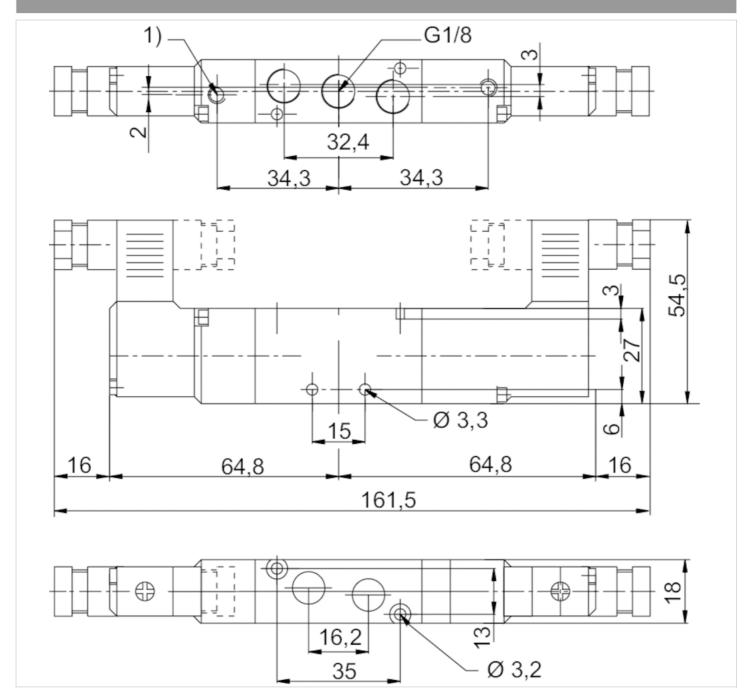
The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

| Material | |
|------------------|--------------------------|
| Housing | Aluminum, anodized |
| Seals | Nitrile butadiene rubber |
| Front plate | Polyoxymethylene |
| Threaded bushing | Aluminum |



Dimensions



1) Pilot Exhaust



- 5/3

- Qn = 600 l/min

- Pilot valve width: 18 mm

- closed center pressurized center exhausted center

- Pipe connection

- Compressed air connection output : G 1/8

- Electrical connection: Plug, EN 175301-803, form C

- Manual override : without detent

double solenoidPilot : Internal



Туре Spool valve Activation Electrically Pilot Internal Sealing principle Soft sealing 1.5 ... 8 bar Working pressure min./max. 1.5 ... 8 bar Control pressure min./max. 5 ... 50 °C Ambient temperature min./max. Medium Compressed air Max. particle size 5 µm Oil content of compressed air 0 ... 5 mg/m³ Nominal flow Qn 600 l/min EN 175301-803 Connector standard Protection class with connection IP65

Protection class with connection IP65

Duty cycle 100 %

Typ. switch-on time 20 ms

Typ. switch-off time 50 ms

mounting screws M3

Weight 0.17 kg

Technical data

| Part No. | | | Compressed air connection |
|----------|---|--------------------|---------------------------|
| | | | Input |
| 52000010 | 41 12 51 1113 | closed center | G 1/8 |
| 52000011 | 41 12 511113 | closed center | G 1/8 |
| 52000012 | 41 12 7 | closed center | G 1/8 |
| 52000009 | 41 12 51 1113 | closed center | G 1/8 |
| 52000126 | | pressurized center | G 1/8 |
| 52000127 | 7 1 2 1 A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | pressurized center | G 1/8 |
| 52000128 | | pressurized center | G 1/8 |
| 52000129 | 750 1 700 | pressurized center | G 1/8 |
| 52000087 | 787 1 12 / 13 / 13 / 13 / 13 / 13 / 13 / 13 | exhausted center | G 1/8 |
| 52000088 | 78% 1 12 / NS | exhausted center | G 1/8 |
| 52000089 | 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | exhausted center | G 1/8 |
| 52000090 | 41 12 51113 7 4 7 | exhausted center | G 1/8 |



| Part No. | Compressed air connection | Operational voltage | Operational voltage |
|----------|---------------------------|---------------------|---------------------|
| | Output | DC | AC 50 Hz |
| 52000010 | G 1/8 | - | 24 V |
| 52000011 | G 1/8 | - | 110 V |
| 52000012 | G 1/8 | - | 230 V |
| 52000009 | G 1/8 | 24 V | - |
| 52000126 | G 1/8 | - | 24 V |
| 52000127 | G 1/8 | - | 110 V |
| 52000128 | G 1/8 | - | 230 V |
| 52000129 | G 1/8 | 24 V | - |
| 52000087 | G 1/8 | - | 24 V |
| 52000088 | G 1/8 | - | 110 V |
| 52000089 | G 1/8 | - | 230 V |
| 52000090 | G 1/8 | 24 V | - |

| Part No. | Power consumption | Switch-on power |
|----------|-------------------|-----------------|
| | DC | AC 50 Hz |
| 52000010 | - | 2 VA |
| 52000011 | - | 2 VA |
| 52000012 | - | 2 VA |
| 52000009 | 1.6 W | - |
| 52000126 | - | 2 VA |
| 52000127 | - | 2 VA |
| 52000128 | - | 2 VA |
| 52000129 | 1.6 W | - |
| 52000087 | - | 2 VA |
| 52000088 | - | 2 VA |
| 52000089 | - | 2 VA |
| 52000090 | 1.6 W | - |

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 .

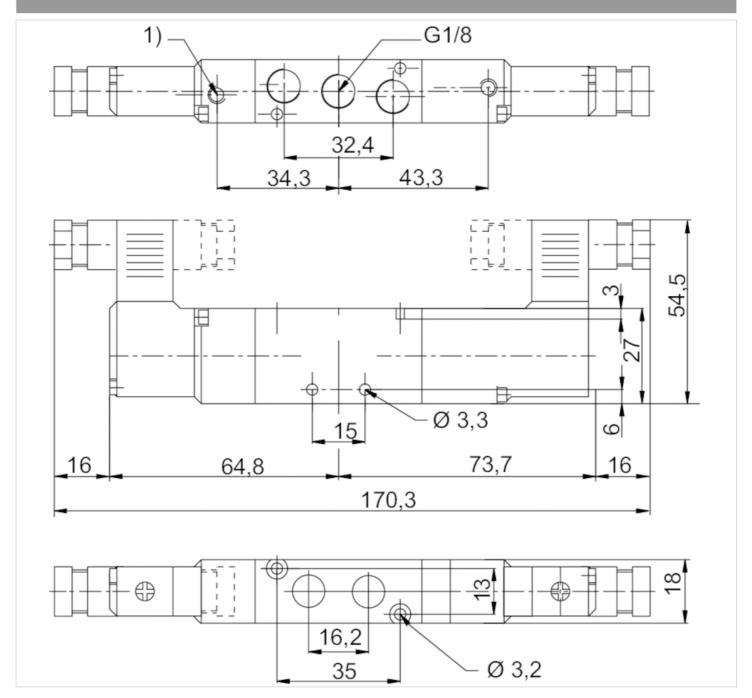
The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

| Material | |
|------------------|--------------------------|
| Housing | Aluminum, anodized |
| Seals | Nitrile butadiene rubber |
| Front plate | Polyoxymethylene |
| Threaded bushing | Aluminum |



Dimensions



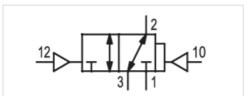
1) Pilot Exhaust





- Qn = 400 l/min
- Compressed air connection output G 1/8
- Single air pilot
- With differential piston
- Pipe connection





| Туре | Spool valve |
|-------------------------------|----------------|
| Activation | pneumatically |
| Pilot | External |
| Sealing principle | Soft sealing |
| Flow rate value Qn | 400 l/min |
| Working pressure min./max. | 1.5 8 bar |
| Control pressure min./max. | 1.5 8 bar |
| Ambient temperature min./max. | 5 50 °C |
| Medium | Compressed air |
| Max. particle size | 5 μm |
| Oil content of compressed air | 0 5 mg/m³ |
| Mounting screw | M2.5 with slot |
| Weight | 0.45 kg |

Technical data

| Part No. | Compressed air connection | Compressed air connection |
|----------|---------------------------|---------------------------|
| | Input | Output |
| 52000376 | G 1/8 | G 1/8 |

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

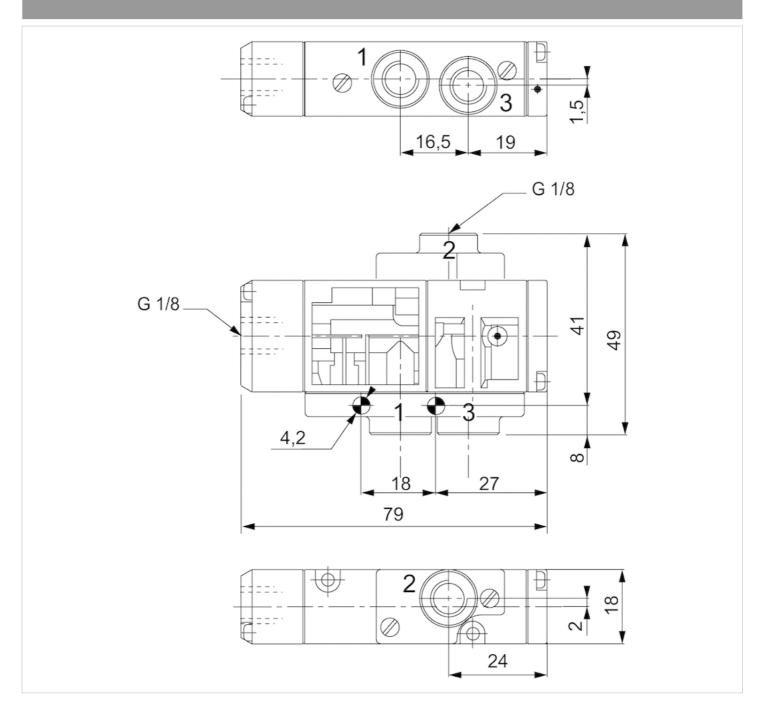
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.

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).

| Material | |
|------------------|--------------------------|
| Housing | Aluminum, anodized |
| Seals | Nitrile butadiene rubber |
| Front plate | Polyoxymethylene |
| Threaded bushing | Aluminum |

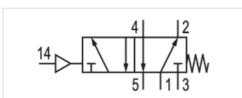






- Qn = 400 l/min
- Compressed air connection output G 1/8
- With spring return
- Pipe connection





| Type | Spool valve |
|-------------------------------|----------------|
| Activation | pneumatically |
| Pilot | External |
| Sealing principle | Soft sealing |
| Flow rate value Qn | 400 l/min |
| Working pressure min./max. | 0 8 bar |
| Control pressure min./max. | 1.5 8 bar |
| Ambient temperature min./max. | 5 50 °C |
| Medium | Compressed air |
| Max. particle size | 5 μm |

Mounting screw M3
Weight 0.065 kg

0 ... 5 mg/m³

Technical data

| Part No. | Compressed air connection | Compressed air connection |
|----------|---------------------------|---------------------------|
| | Input | Output |
| 52000330 | G 1/8 | G 1/8 |

Oil content of compressed air

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

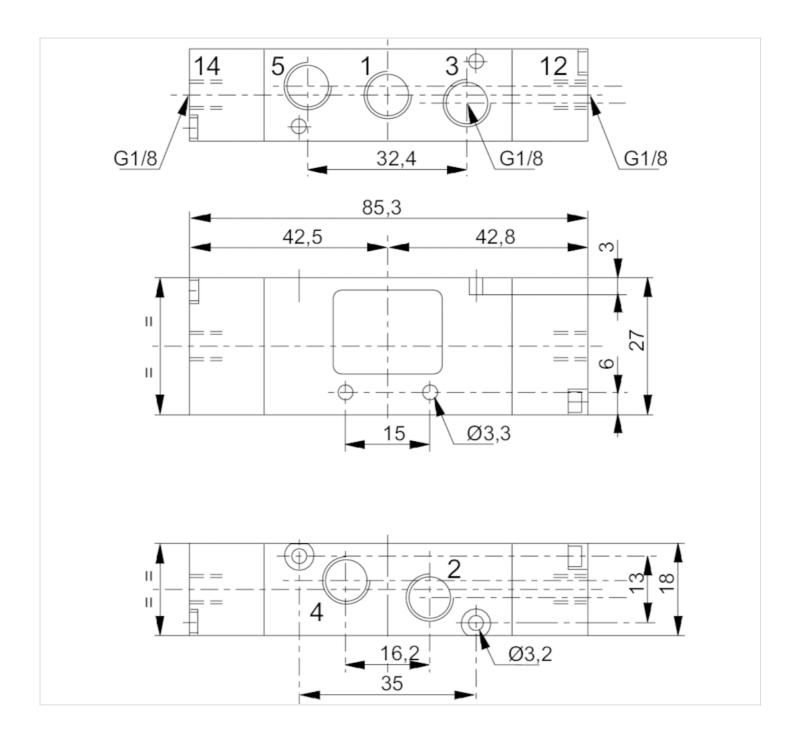
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

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).

| Material | |
|------------------|--------------------------|
| Housing | Aluminum, anodized |
| Seals | Nitrile butadiene rubber |
| Front plate | Polyoxymethylene |
| Threaded bushing | Aluminum |

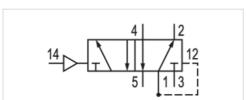






- Qn = 600 l/min
- Compressed air connection output G 1/8
- With differential piston
- Pipe connection





| Туре | Spool valve |
|-------------------------------|----------------|
| Activation | pneumatically |
| Pilot | External |
| Sealing principle | Soft sealing |
| Flow rate value Qn | 600 l/min |
| Working pressure min./max. | 1.5 8 bar |
| Control pressure min./max. | 1.5 8 bar |
| Ambient temperature min./max. | 5 50 °C |
| Medium | Compressed air |
| Max. particle size | 5 μm |
| Oil content of compressed air | 0 5 mg/m³ |
| | |

М3

0.065 kg

Technical data

| Part No. | Compressed air connection | Compressed air connection |
|----------|---------------------------|---------------------------|
| | Input | Output |
| 52000077 | G 1/8 | G 1/8 |

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 .

Mounting screw

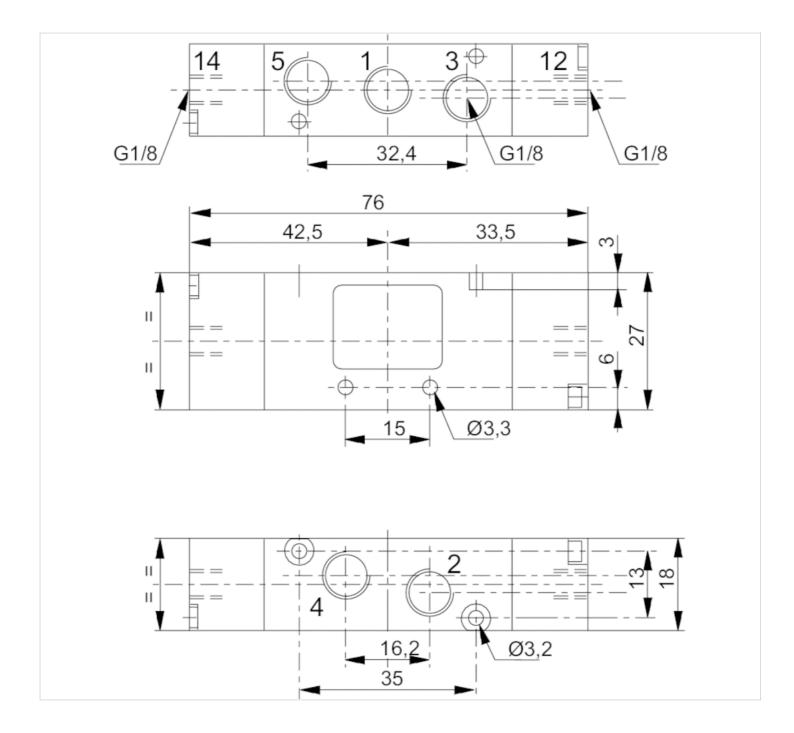
Weight

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).

| Material | |
|------------------|--------------------------|
| Housing | Aluminum, anodized |
| Seals | Nitrile butadiene rubber |
| Front plate | Polyoxymethylene |
| Threaded bushing | Aluminum |

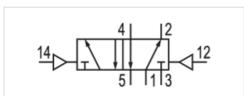






- Qn = 600 l/min
- Compressed air connection output G 1/8
- double air pilot
- Pipe connection





| Туре | Spool valve |
|-------------------------------|----------------|
| Activation | pneumatically |
| Pilot | External |
| Sealing principle | Soft sealing |
| Flow rate value Qn | 600 l/min |
| Working pressure min./max. | 0 8 bar |
| Control pressure min./max. | 1.5 8 bar |
| Ambient temperature min./max. | 5 50 °C |
| Medium | Compressed air |
| Max. particle size | 5 μm |
| Oil content of compressed air | 0 5 mg/m³ |

М3

0.065 kg

Technical data

| Part No. | Compressed air connection Compressed air connection | |
|----------|---|--------|
| | Input | Output |
| 52000078 | G 1/8 | G 1/8 |

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 .

Mounting screw

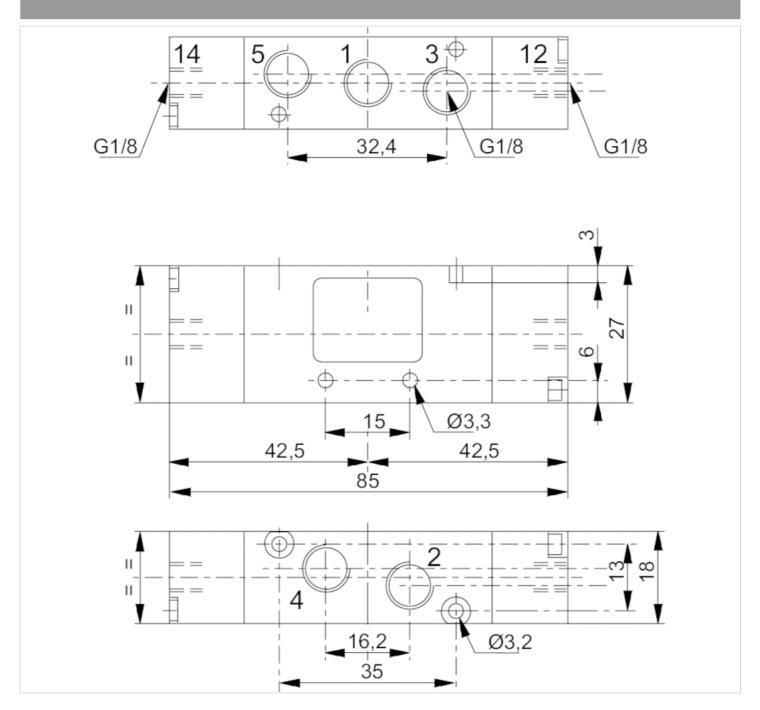
Weight

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).

| Material | |
|------------------|--------------------------|
| Housing | Aluminum, anodized |
| Seals | Nitrile butadiene rubber |
| Front plate | Polyoxymethylene |
| Threaded bushing | Aluminum |







- Qn = 600 l/min
- Compressed air connection output G 1/8
- Pipe connection



Туре Spool valve Activation pneumatically Pilot External Sealing principle Soft sealing Flow rate value Qn 600 l/min 0 ... 8 bar Working pressure min./max. Control pressure min./max. 1.5 ... 8 bar 5 ... 50 °C Ambient temperature min./max. Medium Compressed air

Max. particle size 5 μm

Oil content of compressed air 0 ... 5 mg/m³

Mounting screw M4
Weight 0.075 kg

Technical data

| Part No. | | | Compressed air connection |
|----------|--|--------------------|---------------------------|
| | | | Input |
| 52000079 | M 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | closed center | G 1/8 |
| 52000142 | ************************************** | pressurized center | G 1/8 |
| 52000082 | 14 12 14 12 14 14 14 14 14 14 14 14 14 14 14 14 14 | exhausted center | G 1/8 |

| Part No. | Compressed air connection Output |
|----------|----------------------------------|
| 52000079 | G 1/8 |
| 52000142 | G 1/8 |
| 52000082 | G 1/8 |

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

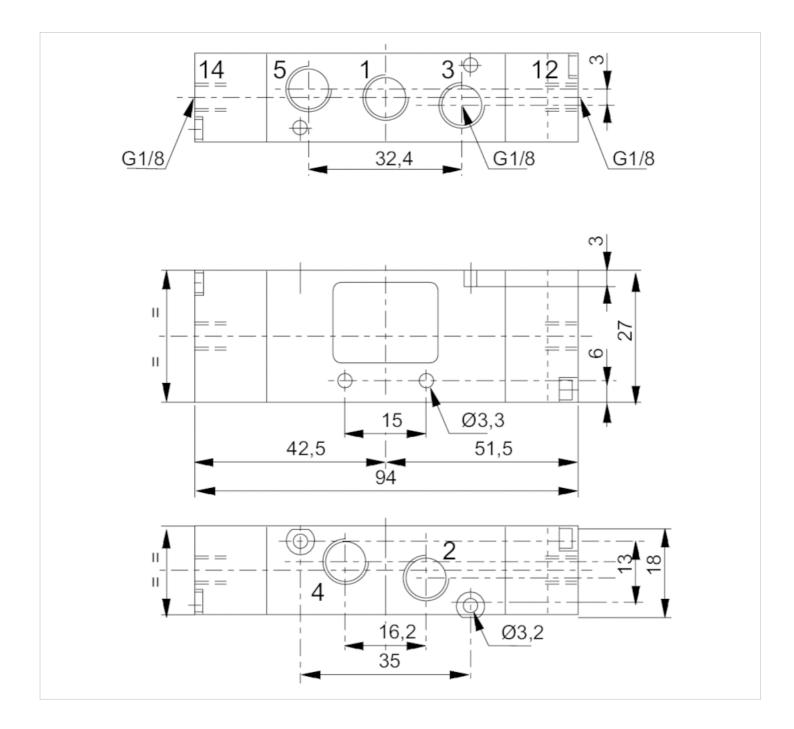
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The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

| Material | | |
|------------------|--------------------------|--|
| Housing | Aluminum, anodized | |
| Seals | Nitrile butadiene rubber | |
| Front plate | Polyoxymethylene | |
| Threaded bushing | Aluminum | |







Series 355

- for 520



Weight

See table below

Technical data

| Part No. | Suitable for Series | Port | Number of valve positions | Weight |
|----------|------------------------|-------|---------------------------|----------|
| 35500333 | aluminum base plates | G 1/8 | 2 | 0.145 kg |
| 35500334 | aluminum base plates | G 1/8 | 3 | 0.195 kg |
| 35500335 | aluminum base plates | G 1/8 | 4 | 0.24 kg |
| 35500336 | aluminum base plates | G 1/8 | 5 | 0.29 kg |
| 35500337 | aluminum base plates | G 1/8 | 6 | 0.34 kg |
| 35500338 | aluminum base plates | G 1/8 | 7 | 0.385 kg |
| 35500339 | aluminum base plates | G 1/8 | 8 | 0.435 kg |
| 35500340 | aluminum base plates | G 1/8 | 9 | 0.485 kg |
| 35500341 | aluminum base plates | G 1/8 | 10 | 0.53 kg |

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.

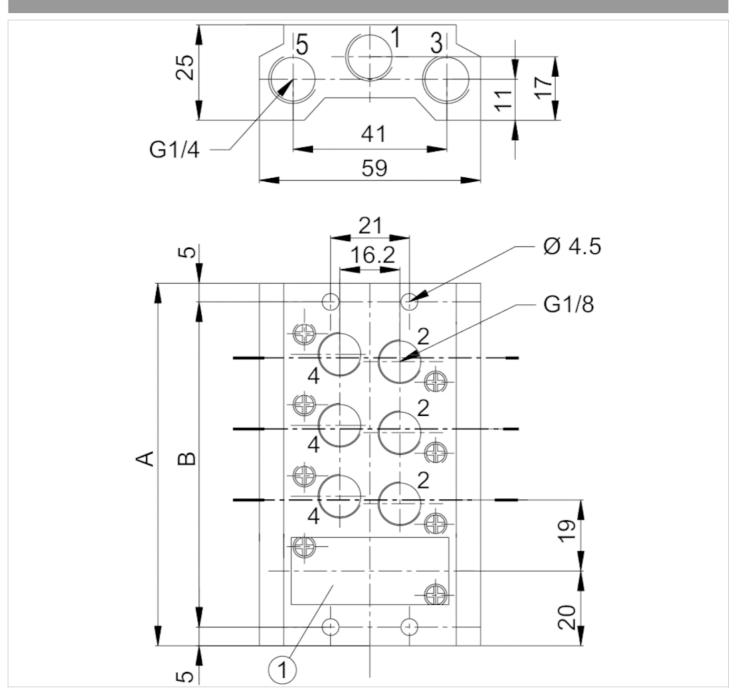
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

| Material | |
|------------|----------|
| Base plate | Aluminum |





Dimensions



1) Blanking plate

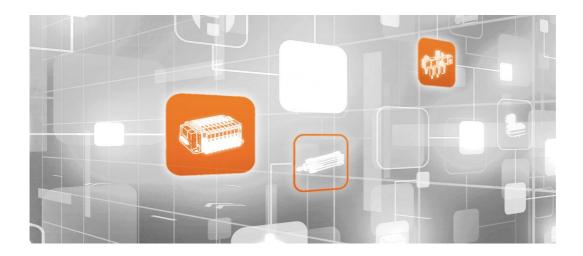
| Part No. | A | В |
|----------|-----|-----|
| 35500333 | 59 | 49 |
| 35500334 | 78 | 68 |
| 35500335 | 97 | 87 |
| 35500336 | 116 | 106 |
| 35500337 | 135 | 125 |
| 35500338 | 154 | 144 |





| Part No. | А | В |
|----------|-----|-----|
| 35500339 | 173 | 163 |
| 35500340 | 192 | 182 |
| 35500341 | 211 | 201 |

Efficient pneumatic solutions, our program: cylinders and drives, valves and valve systems, air supply management

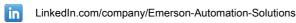


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