

Series 563, 565, 567



AVENTICS™ Series 563, 565, 567



3/2-directional valve, Series 563

- 3/2
- Q_n = 1350 l/min
- NO/NC
- Plate connection
- Electrical connection : Plug, Form B, industry
- Manual override : with detent
- Pilot : External, Internal



Version	Poppet valve
Activation	Electrically
Working pressure min./max.	3.5 ... 10 bar
Control pressure min./max.	3.5 ... 10 bar
Ambient temperature min./max.	-20 ... 50 °C
Medium temperature min./max.	-20 ... 50 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 5 mg/m ³
Nominal flow Q _n	1350 l/min
Duty cycle	100 %
Weight	0.38 kg

Technical data

Part No.		MO		Compressed air connection	Operational voltage
				Input	DC
5633011330			NO/NC	G 1/4	-
5633011340			NO/NC	G 1/4	24 V
5633050100			NO/NC	G 1/4	24 V
5633011320			NO/NC	G 1/4	-
5633011310			NO/NC	G 1/4	-
5633010000			NO/NC	G 1/4	-

Part No.	Operational voltage	Operational voltage	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC
5633011330	24 V	-	-
5633011340	-	-	-10% / +10%
5633050100	-	-	-10% / +10%
5633011320	-	110 V	-
5633011310	230 V	-	-
5633010000	-	-	-

Part No.	Voltage tolerance	Voltage tolerance	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5633011330	-10% / +10%	-	-	8 VA
5633011340	-	-	5 W	-
5633050100	-	-	2 W	-
5633011320	-	-10% / +10%	-	-

Part No.	Voltage tolerance	Voltage tolerance	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5633011310	-10% / +10%	-	-	8 VA
5633010000	-	-	-	-

Part No.	Holding power	Switch-on power	Switch-on power	Pilot
	AC 60 Hz	AC 50 Hz	AC 60 Hz	
5633011330	-	10 VA	-	External, Internal
5633011340	-	-	-	External, Internal
5633050100	-	-	-	External, Internal
5633011320	8 VA	-	10 VA	External, Internal
5633011310	-	10 VA	-	External, Internal
5633010000	-	-	-	-

Part No.	Protection class	basic valve with electrical connector	Power consumption
	with connection		
5633011330	IP65	-	-
5633011340	IP65	-	-
5633050100	IP65	-	Low power consumption
5633011320	IP65	-	-
5633011310	IP65	-	-
5633010000	-	Basic valve without coil	-

Nominal flow Q_n at 6 bar and Δp = 1 bar, MO = Manual override

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).

Min./max. operating pressure for external pilot: - 1 bar / 10 bar

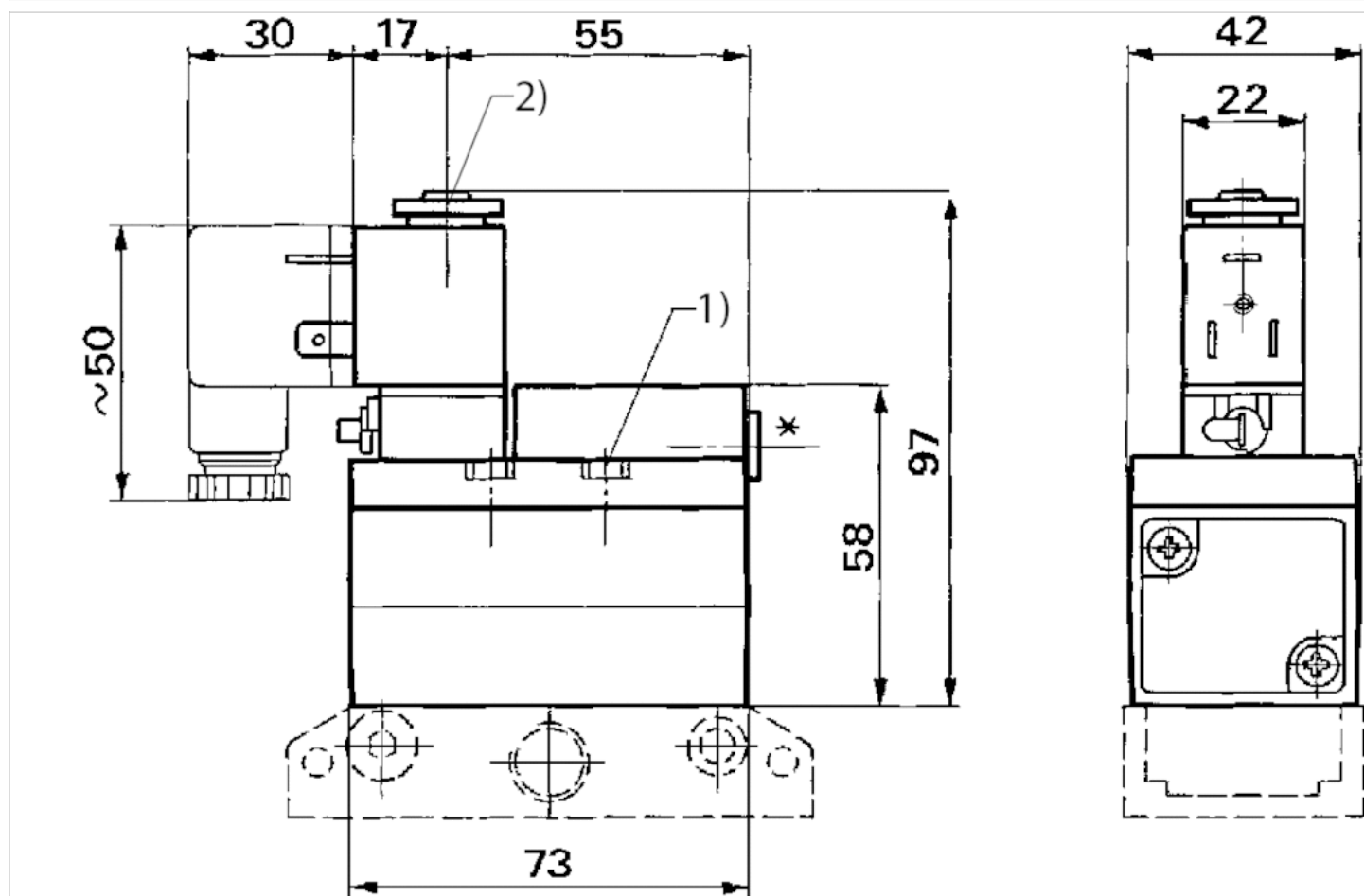
The valves can be energized via the port closed with a plug on the front side of the cover.

Technical information

Material	
Housing	Aluminum
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) Tightening torque for mounting screws: 2.7 ± 0.3 Nm

2) Tightening torque for lock nut: 1 ± 0.2 Nm

Base plate not included in the scope of delivery

* Plugged port G 1/8 for external pilot

3/2-directional valve, Series 565

- 3/2
- $Q_n = 4240 \text{ l/min}$
- NO/NC
- Plate connection
- Electrical connection : Plug, EN 175301-803, form A
- Manual override : with detent
- Pilot : External, Internal



Version	Poppet valve
Activation	Electrically
Working pressure min./max.	3.5 ... 10 bar
Control pressure min./max.	3.5 ... 10 bar
Ambient temperature min./max.	-20 ... 50 °C
Medium temperature min./max.	-20 ... 50 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 5 mg/m³
Nominal flow Q_n	4240 l/min
Duty cycle	100 %
Weight	See table below

Technical data

Part No.		MO		Compressed air connection	Operational voltage
				Input	DC
5653011330			NO/NC	G 1/2	-
5653011340			NO/NC	G 1/2	24 V
5653011320			NO/NC	G 1/2	-
5653011310			NO/NC	G 1/2	-
5653010000			NO/NC	G 1/2	-

Part No.	Operational voltage	Operational voltage	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC
5653011330	24 V	-	-
5653011340	-	-	-10% / +10%
5653011320	-	110 V	-
5653011310	230 V	-	-
5653010000	-	-	-

Part No.	Voltage tolerance	Voltage tolerance	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5653011330	-10% / +10%	-	-	16 VA
5653011340	-	-	10 W	-
5653011320	-	-10% / +10%	-	-
5653011310	-10% / +10%	-	-	16 VA
5653010000	-	-	-	-

Part No.	Holding power	Switch-on power	Switch-on power	Pilot
	AC 60 Hz	AC 50 Hz	AC 60 Hz	
5653011330	-	26 VA	-	External, Internal
5653011340	-	-	-	External, Internal
5653011320	16 VA	-	26 VA	External, Internal
5653011310	-	26 VA	-	External, Internal
5653010000	-	-	-	-

Part No.	Protection class	basic valve with electrical connector	Weight
	with connection		
5653011330	IP65	-	0.8 kg
5653011340	IP65	-	0.8 kg
5653011320	IP65	-	0.8 kg
5653011310	IP65	-	0.8 kg
5653010000	-	Basic valve without coil	0.75 kg

Nominal flow Q_n at 6 bar and $\Delta p = 1$ bar, MO = Manual override

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).

Min./max. operating pressure for external pilot: - 1 bar / 10 bar

The valves can be energized via the port closed with a plug on the front side of the cover.

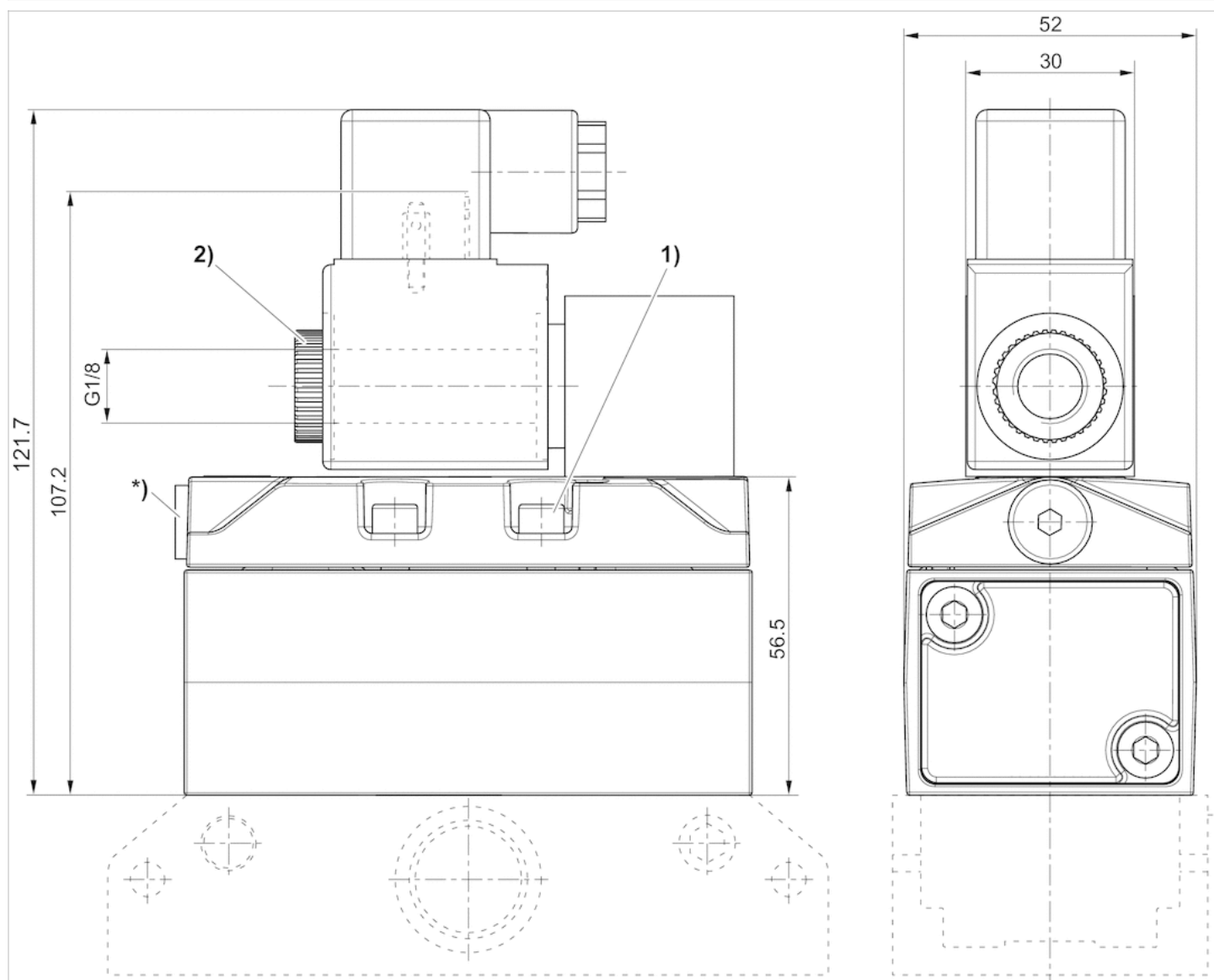
The size of the compressed air connection output for series 563, 565, 567 can vary due to optional use of the base plate. The base plate can be found under "Mechanical accessories".

Technical information

Material	
Housing	Aluminum
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) Tightening torque for mounting screws: 2.2 ± 0.2 Nm

2) Tightening torque for lock nut: 1 ± 0.2 Nm

* Plugged port G 1/8 for external pilot

Base plate not included in the scope of delivery

3/2-directional valve, Series 567

- 3/2
- Q_n = 13620 l/min
- NO/NC
- Plate connection
- Electrical connection : Plug, EN 175301-803, form A
- Manual override : with detent
- Pilot : External, Internal



Version	Poppet valve
Activation	Electrically
Working pressure min./max.	3.5 ... 10 bar
Control pressure min./max.	3.5 ... 10 bar
Ambient temperature min./max.	-20 ... 50 °C
Medium temperature min./max.	-20 ... 50 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 5 mg/m ³
Nominal flow Q _n	13620 l/min
Duty cycle	100 %
Weight	See table below

Technical data

Part No.		MO		Compressed air connection	Operational voltage
				Input	DC
5673011330			NO/NC	G 1	-
5673011340			NO/NC	G 1	24 V
5673011320			NO/NC	G 1	-
5673011310			NO/NC	G 1	-
5673010000			NO/NC	G 1	-

Part No.	Operational voltage	Operational voltage	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC
5673011330	24 V	-	-
5673011340	-	-	-10% / +10%
5673011320	-	110 V	-
5673011310	230 V	-	-
5673010000	-	-	-

Part No.	Voltage tolerance	Voltage tolerance	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5673011330	-10% / +10%	-	-	16 VA
5673011340	-	-	10 W	-
5673011320	-	-10% / +10%	-	-
5673011310	-10% / +10%	-	-	16 VA
5673010000	-	-	-	-

Part No.	Holding power	Switch-on power	Switch-on power	Pilot
	AC 60 Hz	AC 50 Hz	AC 60 Hz	
5673011330	-	26 VA	-	External, Internal
5673011340	-	-	-	External, Internal
5673011320	16 VA	-	26 VA	External, Internal
5673011310	-	26 VA	-	External, Internal
5673010000	-	-	-	-

Part No.	Protection class	basic valve with electrical connector	Weight
	with connection		
5673011330	IP65	-	2 kg
5673011340	IP65	-	2 kg
5673011320	IP65	-	2 kg
5673011310	IP65	-	2 kg
5673010000	-	Basic valve without coil	1.95 kg

Nominal flow Q_n at 6 bar and $\Delta p = 1$ bar, MO = Manual override

Technical information

The min. control pressure must be adhered to and should be equal or higher than the working pressure. 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).

Min./max. operating pressure for external pilot: - 1 bar / 10 bar

The valves can be energized via the port closed with a plug on the front side of the cover.

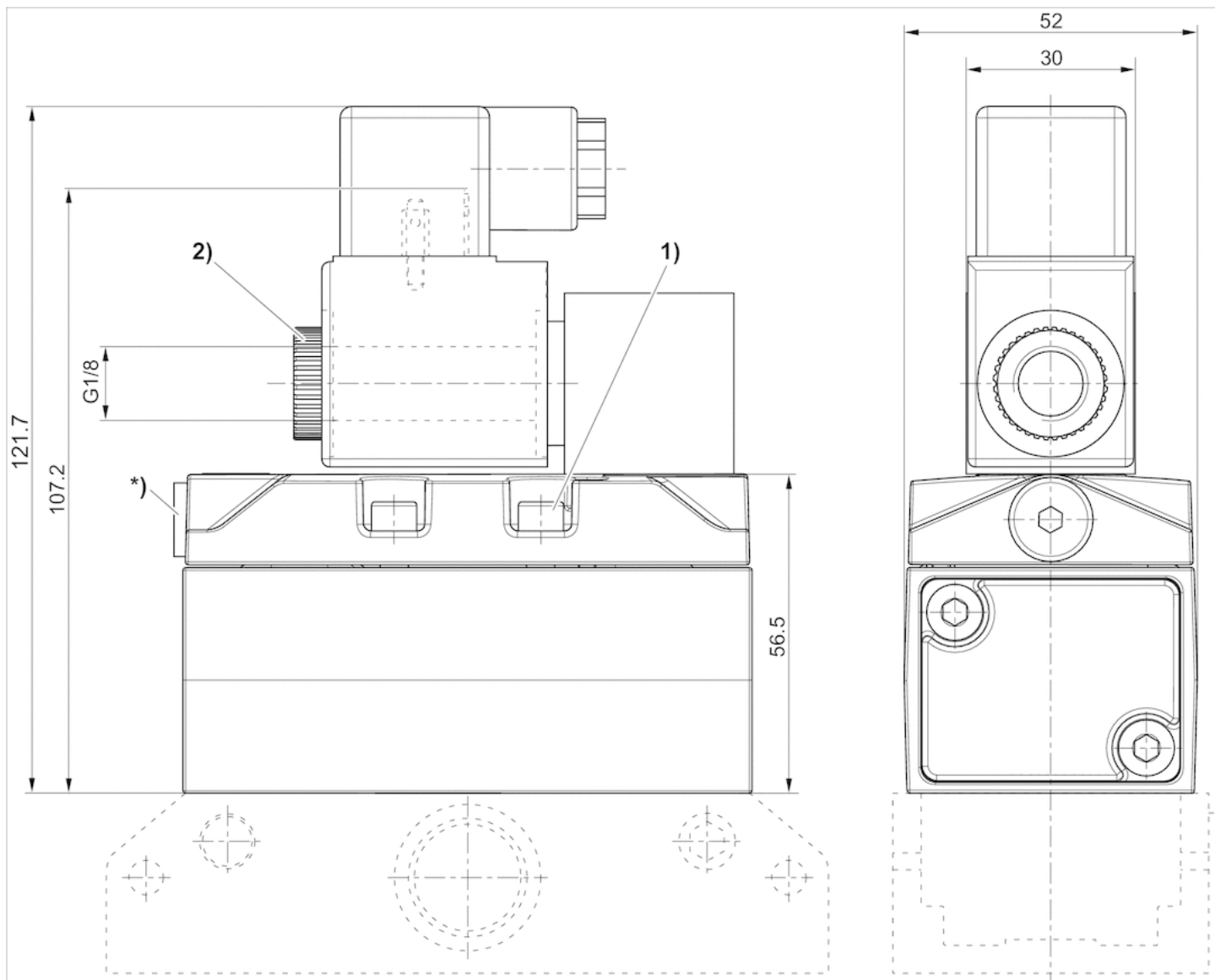
The size of the compressed air connection output for series 563, 565, 567 can vary due to optional use of the base plate. The base plate can be found under "Mechanical accessories".

Technical information

Material	
Housing	Aluminum
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) Tightening torque for mounting screws: 2.2 ± 0.2 Nm

2) Tightening torque for lock nut: 1 ± 0.2 Nm

* Plugged port G 1/8 for external pilot

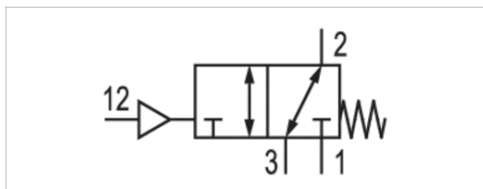
Base plate not included in the scope of delivery

3/2-directional valve, Series 563

- $Q_n = 1350 \text{ l/min}$
- Compressed air connection output G 1/4
- Plate connection



Version	Poppet valve
Activation	pneumatically
Flow rate value Q_n	1350 l/min
Working pressure min./max.	See table below
Control pressure min./max.	See table below
Ambient temperature min./max.	See table below
Medium temperature min./max.	See table below
Medium	Compressed air
Max. particle size	5 μm
Oil content of compressed air	0 ... 5 mg/m ³
Weight	0.3 kg



Technical data

Part No.	Compressed air connection		Working pressure min./max.
	Input	Output	
5632010000	G 1/4	G 1/4	-1 ... 10 bar
5632310000	G 1/4	G 1/4	-1 ... 30 bar
5632510000	G 1/4	G 1/4	-1 ... 10 bar

Part No.	Control pressure min./max.	Ambient temperature min./max.	Medium temperature min./max.	
5632010000	3.5 ... 10 bar	-20 ... 70 °C	-20 ... 70 °C	-
5632310000	5.5 ... 10 bar	-20 ... 70 °C	-20 ... 70 °C	1)
5632510000	3.5 ... 10 bar	-20 ... 120 °C	-20 ... 120 °C	2)

Nominal flow Q_n at 6 bar and $\Delta p = 1 \text{ bar}$

1) The valves are available either with "pressurizing" or "exhaust" function. The 30 bar version can only be switched to "pressurizing" mode.

2) Seal: Fluorocautchouc

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.

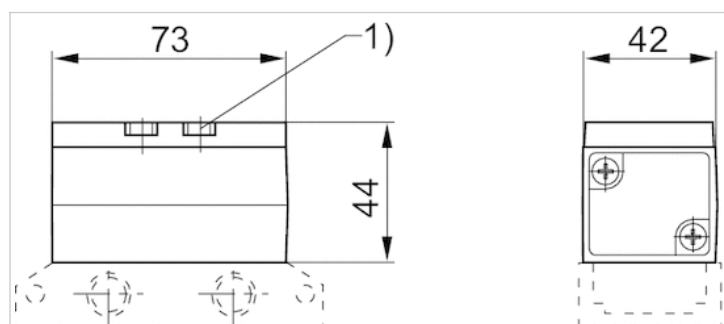
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Housing	Aluminum
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Dimensions

Dimensions



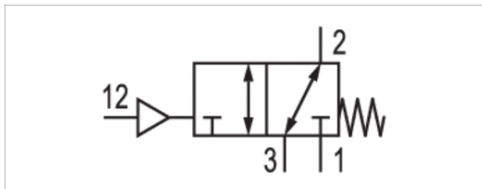
1) Tightening torque for mounting screws: 2.7 ± 0.3 Nm
Base plate not included in the scope of delivery

3/2-directional valve, Series 565

- $Q_n = 4240 \text{ l/min}$
- Compressed air connection output G 1/2
- Plate connection



Version	Poppet valve
Activation	pneumatically
Flow rate value Q_n	4240 l/min
Working pressure min./max.	See table below
Control pressure min./max.	See table below
Ambient temperature min./max.	-20 ... 70 °C
Medium temperature min./max.	See table below
Medium	Compressed air
Max. particle size	5 μm
Oil content of compressed air	0 ... 5 mg/m ³
Weight	0.55 kg



Technical data

Part No.	Compressed air connection		Working pressure min./max.
	Input	Output	
5652010000	G 1/2	G 1/2	-1 ... 10 bar
5652310000	G 1/2	G 1/2	-1 ... 30 bar
5652510000	G 1/2	G 1/2	-1 ... 10 bar

Part No.	Control pressure min./max.	Medium temperature min./max.	
5652010000	3.5 ... 10 bar	-20 ... 70 °C	-
5652310000	5.5 ... 10 bar	-20 ... 70 °C	1)
5652510000	3.5 ... 10 bar	-20 ... 120 °C	2)

Nominal flow Q_n at 6 bar and $\Delta p = 1 \text{ bar}$

1) The valves are available either with "pressurizing" or "exhaust" function. The 30 bar version can only be switched to "pressurizing" mode.

2) Seal: Fluorocautchouc

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.

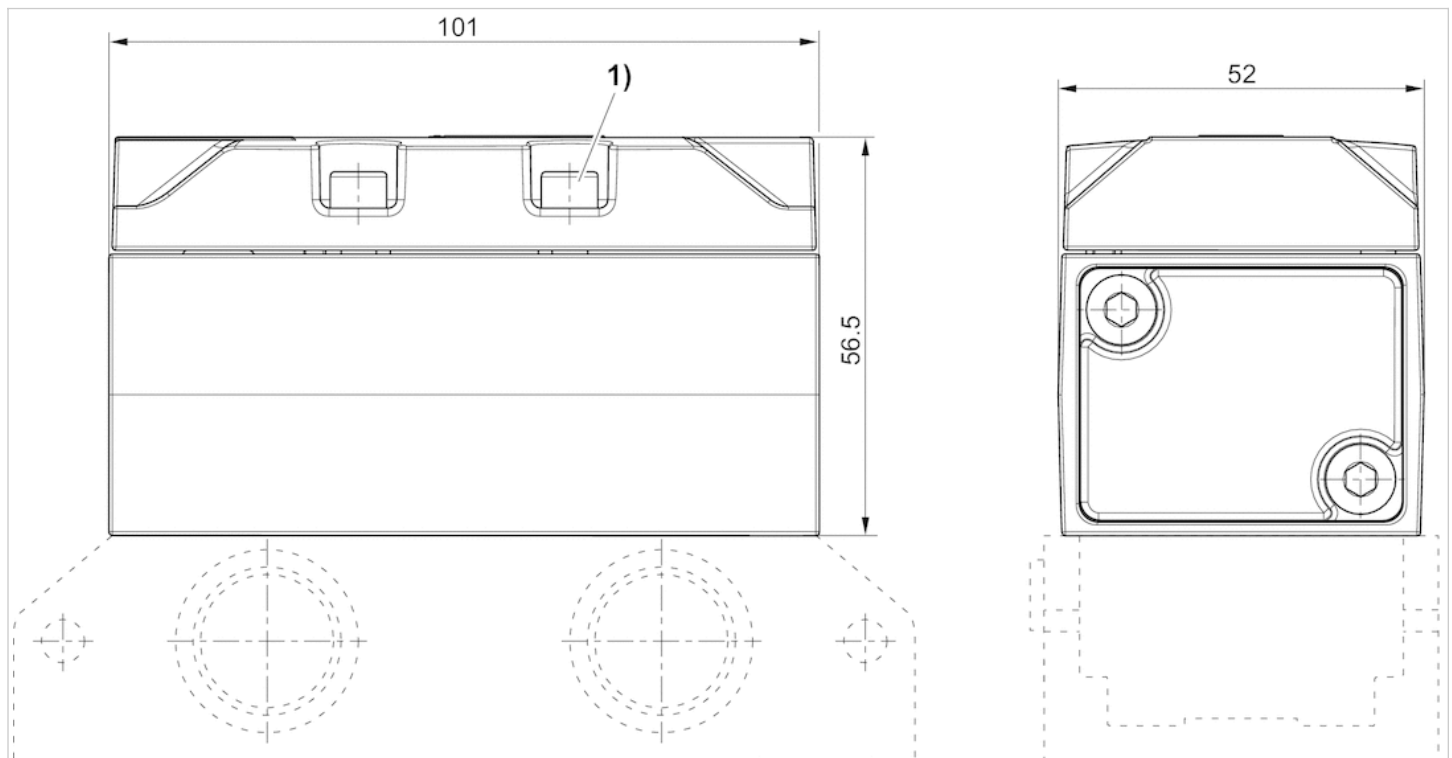
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Housing	Aluminum
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Dimensions

Dimensions



1) Tightening torque for mounting screws: 5.5 ± 0.5 Nm

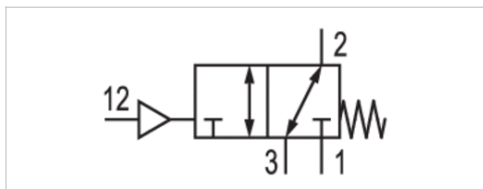
Base plate not included in the scope of delivery

3/2-directional valve, Series 567

- $Q_n = 13620$ l/min
- Compressed air connection output G 1
- Plate connection



Version	Poppet valve
Activation	pneumatically
Flow rate value Q_n	13620 l/min
Working pressure min./max.	See table below
Control pressure min./max.	See table below
Ambient temperature min./max.	See table below
Medium temperature min./max.	See table below
Medium	Compressed air
Max. particle size	5 μm
Oil content of compressed air	0 ... 5 mg/m ³
Weight	1.8 kg



Technical data

Part No.	Compressed air connection		Working pressure min./max.
	Input	Output	
5672010000	G 1	G 1	-1 ... 10 bar
5672310000	G 1	G 1	-1 ... 30 bar
5672510000	G 1	G 1	-1 ... 10 bar

Part No.	Control pressure min./max.	Ambient temperature min./max.	Medium temperature min./max.	
5672010000	3.5 ... 10 bar	-20 ... 70 °C	-20 ... 70 °C	-
5672310000	5.5 ... 10 bar	-20 ... 70 °C	-20 ... 70 °C	1)
5672510000	3.5 ... 10 bar	-20 ... 120 °C	-20 ... 120 °C	2)

Nominal flow Q_n at 6 bar and $\Delta p = 1$ bar

1) The valves are available either with "pressurizing" or "exhaust" function. The 30 bar version can only be switched to "pressurizing" mode.

2) Seal: Fluorocautchouc

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.

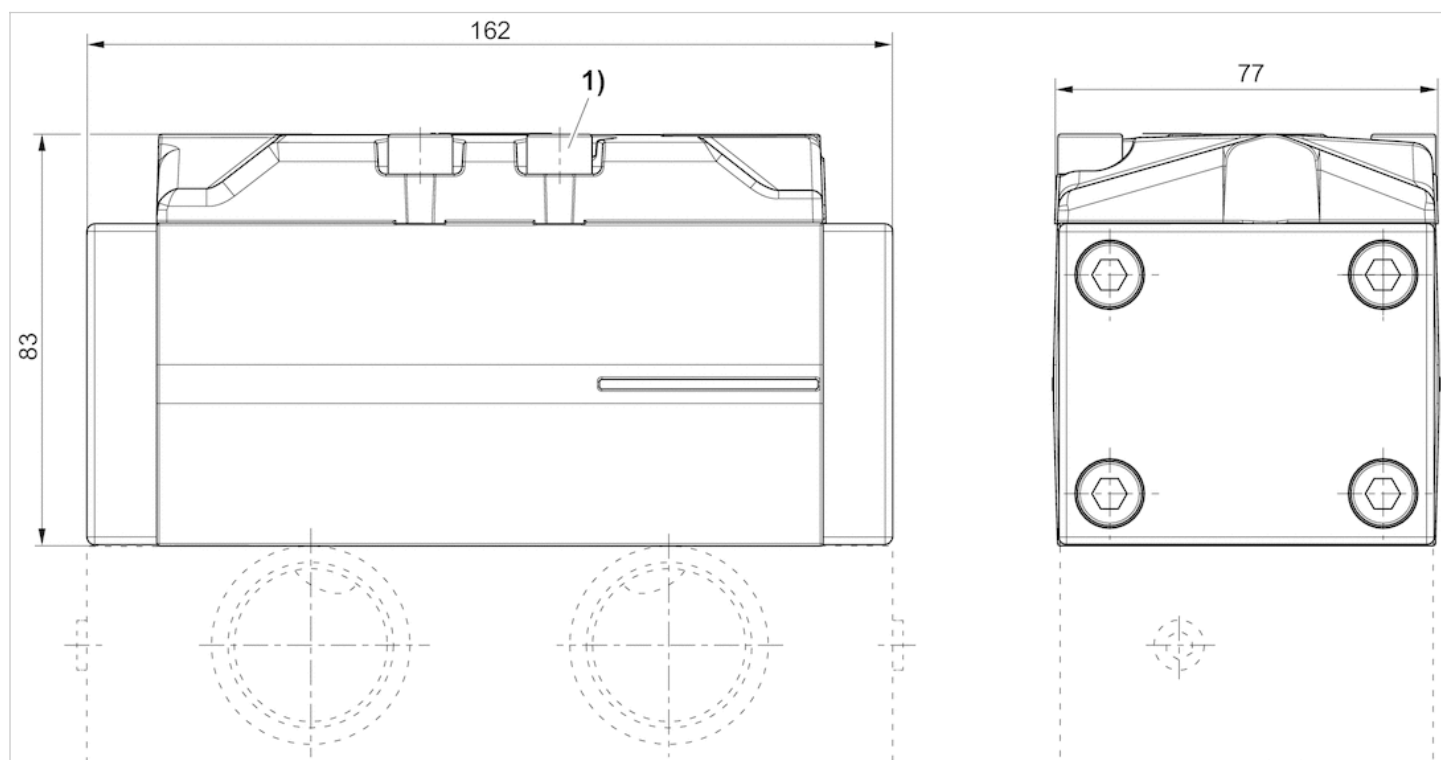
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Housing	Aluminum
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Dimensions

Dimensions



1) Tightening torque for mounting screws: 22 ± 2 Nm

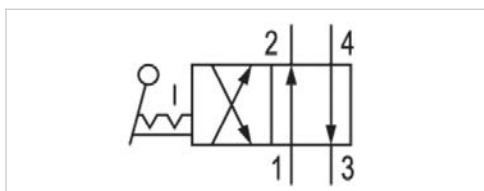
Base plate not included in the scope of delivery

4/2-directional valve, Series 563 018

- $Q_n = 300 \text{ l/min}$
- Compressed air connection output G 1/8
- single solenoid
- Pipe connection



Version	Poppet valve
Activation	Mechanical
Lock type	not lockable
Actuating element	Hand lever, with detent
Switching principle	4/2
Sealing principle	Soft sealing
Nominal flow Q_n	300 l/min
Working pressure min./max.	0 ... 10 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Max. particle size	50 μm
Oil content of compressed air	0 ... 5 mg/m ³
Weight	0.24 kg



Technical data

Part No.	Compressed air connection type	Compressed air connection Input	Compressed air connection Output
5630180100	Internal thread	G 1/8	G 1/8

Part No.	Compressed air connection Exhaust
5630180100	G 1/8

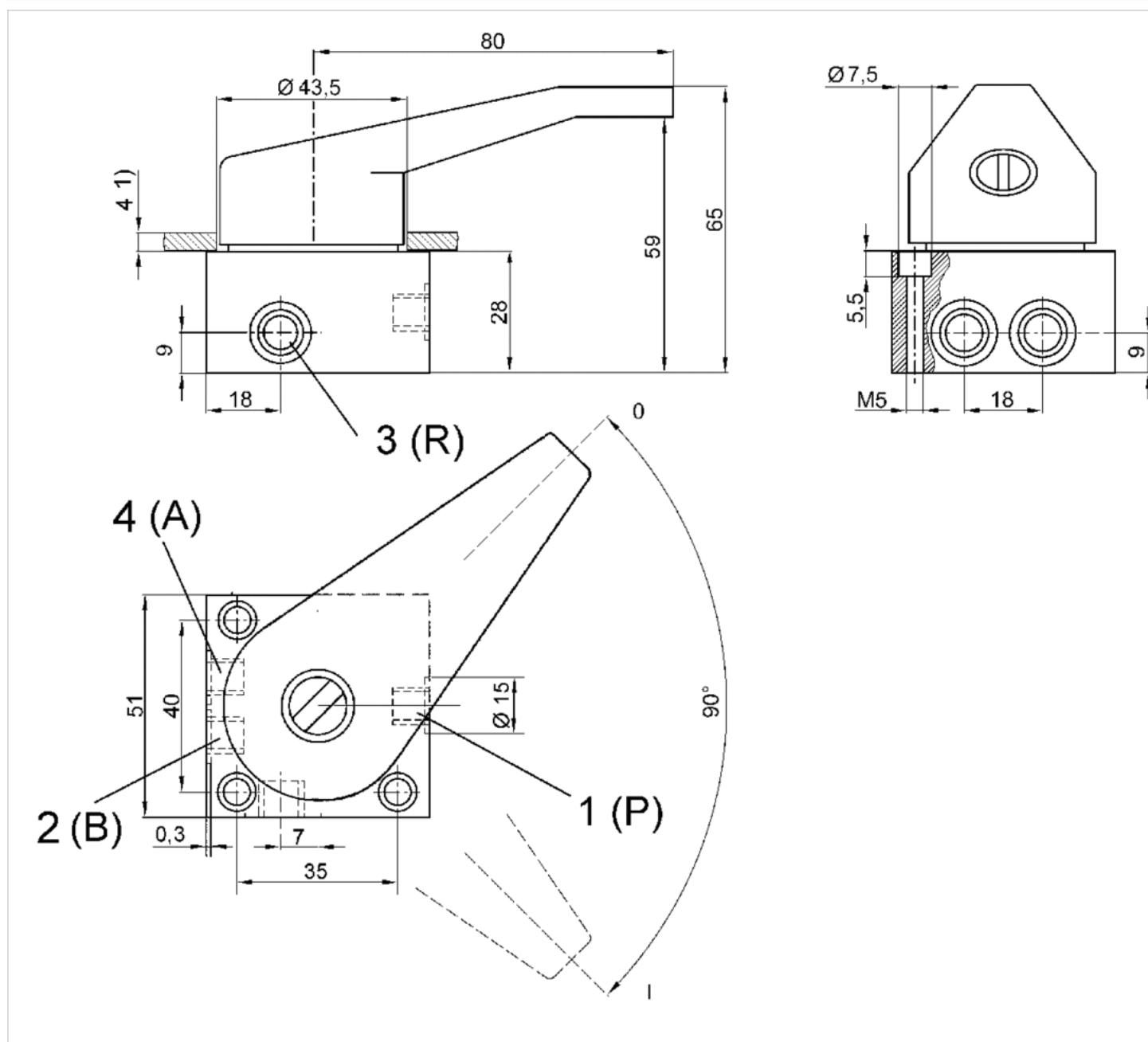
Nominal flow Q_n at 6 bar and $\Delta p = 1 \text{ bar}$

Technical information

Material	
Housing	Die cast zinc
Seals	Acrylonitrile butadiene rubber
Actuating element	Polyarylamide

Dimensions

Dimensions



1) Max.

Pos. 0: port 1 ► port 4, port 2 ► port 3

pos. I: port 1 ► port 2, port 4 ► port 3

4/3-directional valve, Series 563 018

- Qn = 300 l/min
- Compressed air connection output G 1/8
- single solenoid
- Pipe connection



Version	Poppet valve
Activation	Mechanical
Lock type	not lockable
Actuating element	Hand lever, with detent
Switching principle	4/3
Sealing principle	Soft sealing
Nominal flow Qn	300 l/min
Working pressure min./max.	0 ... 10 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Weight	0.24 kg

Technical data

Part No.		Version	Compressed air connection type	Compressed air connection Input
5630181100		exhausted center	Internal thread	G 1/8
5630182100		closed center	Internal thread	G 1/8

Part No.	Compressed air connection Output	Compressed air connection Exhaust
5630181100	G 1/8	G 1/8
5630182100	G 1/8	G 1/8

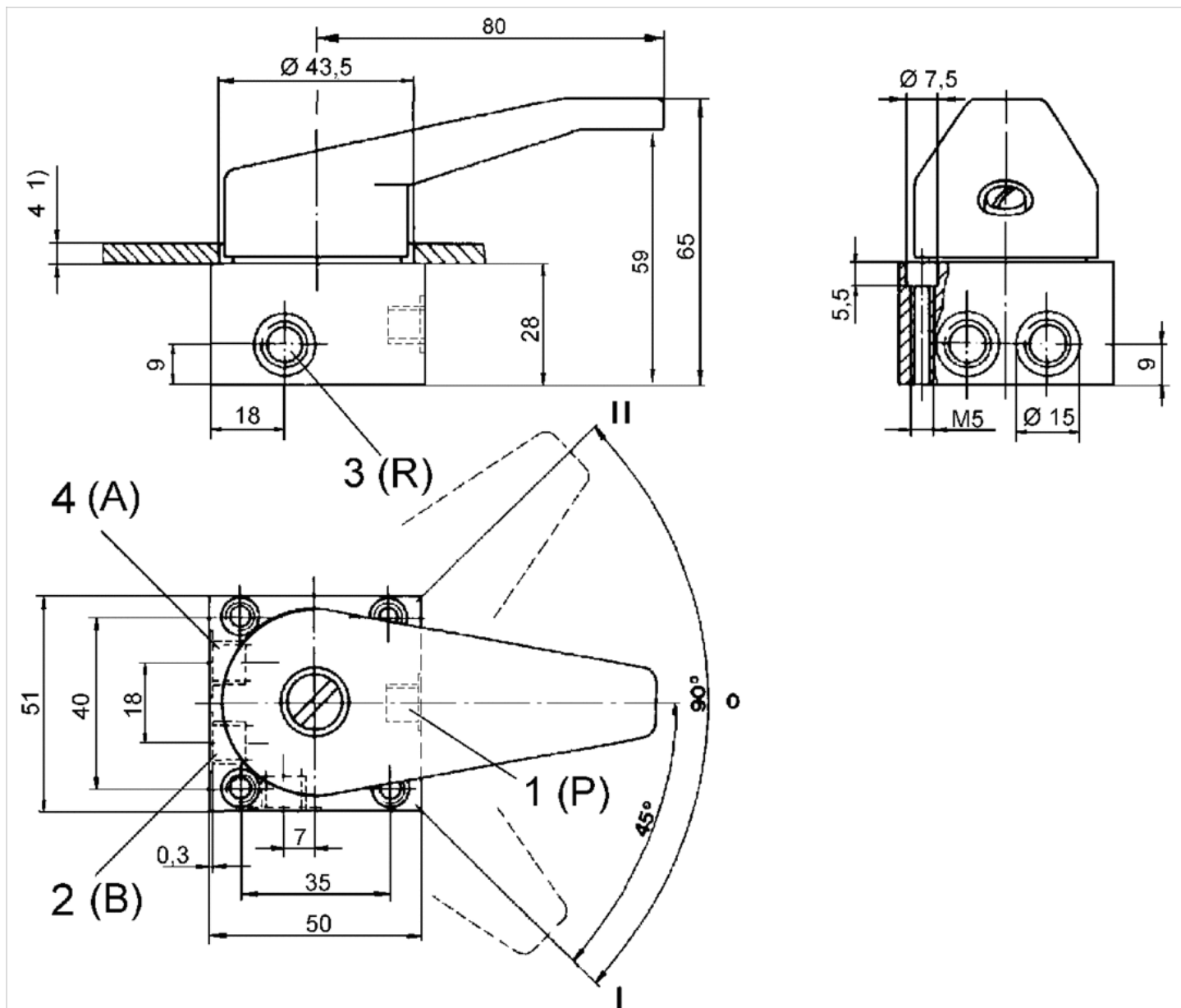
Nominal flow Qn at 6 bar and $\Delta p = 1$ bar

Technical information

Material	
Housing	Die cast zinc
Seals	Acrylonitrile butadiene rubber
Actuating element	Polyarylamide

Dimensions

Dimensions



1) Max.

item 0 (5630181100): port 2, 4 ▶ 3

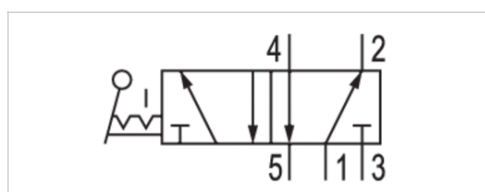
item 0 (5630182100): closed center

item I: port 1 ► port 2, port 4 ► port 3

item II: port 1 ► port 4, port 2 ► port 3

5/2-directional valve, Series 563 131

- $Q_n = 1100 \text{ l/min}$
- Compressed air connection output G 1/4
- single solenoid
- Pipe connection



Version	Poppet valve
Activation	Mechanical
Lock type	not lockable
Actuating element	Hand lever, with detent
Switching principle	5/2
Sealing principle	Soft sealing
Nominal flow Q_n	1100 l/min
Working pressure min./max.	0 ... 10 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m ³
Weight	0.71 kg

Technical data

Part No.	Compressed air connection type	Compressed air connection Input	Compressed air connection Output
5631310100	Internal thread	G 1/4	G 1/4

Part No.	Compressed air connection Exhaust
5631310100	G 1/4

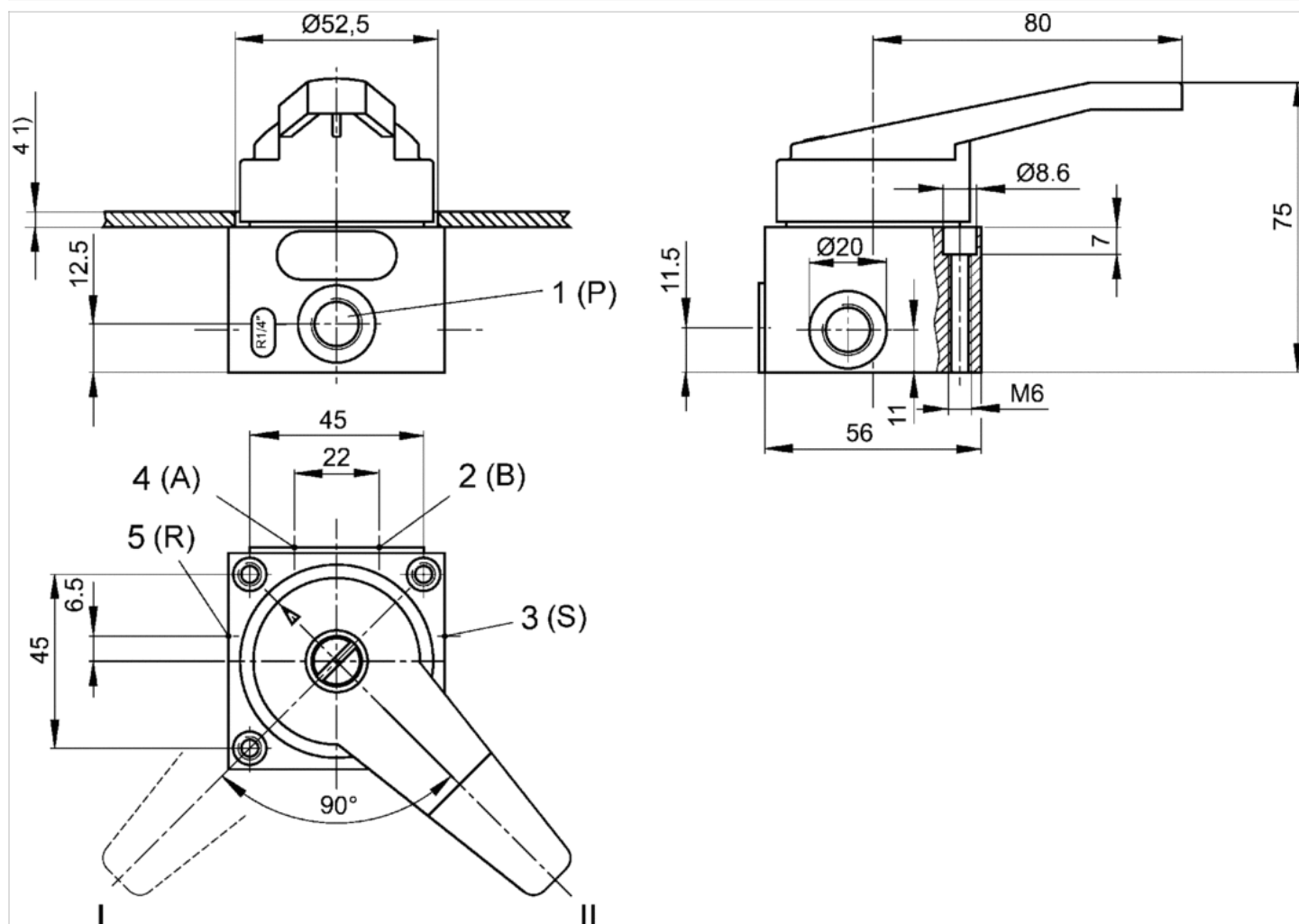
Nominal flow Q_n at 6 bar and $\Delta p = 1 \text{ bar}$

Technical information

Material	
Housing	Die cast zinc
Seals	Acrylonitrile butadiene rubber
Actuating element	Polyarylamide

Dimensions

Dimensions



1) Max.

Pos. I: port 1 ► port 4, port 2 ► port 3

pos. II: port 1 ► port 2, port 4 ► port 5

5/3-directional valve, Series 563 131

- Qn = 1100 l/min
- Compressed air connection output G 1/4
- single solenoid
- Pipe connection



Version	Poppet valve
Activation	Mechanical
Lock type	not lockable
Actuating element	Hand lever, with detent
Switching principle	5/3
Sealing principle	Soft sealing
Nominal flow Qn	1100 l/min
Working pressure min./max.	0 ... 10 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Weight	0.71 kg

Technical data

Part No.		Version	Compressed air connection type	Compressed air connection Input
5631311100		exhausted center	Internal thread	G 1/4
5631312100		closed center	Internal thread	G 1/4

Part No.	Compressed air connection Output	Compressed air connection Exhaust
5631311100	G 1/4	G 1/4
5631312100	G 1/4	G 1/4

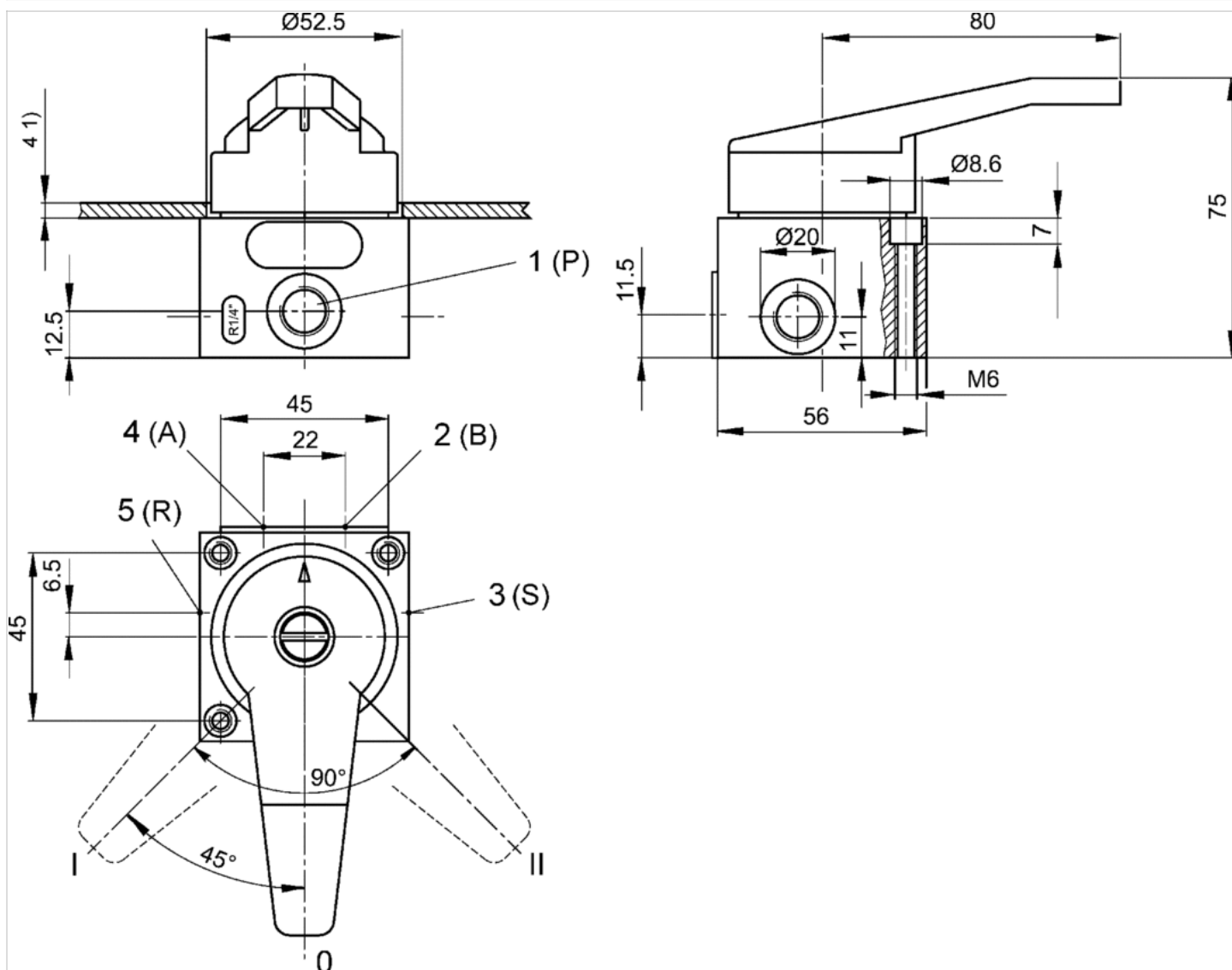
Nominal flow Qn at 6 bar and $\Delta p = 1$ bar

Technical information

Material	
Housing	Die cast zinc
Seals	Acrylonitrile butadiene rubber
Actuating element	Polyarylamide

Dimensions

Dimensions



1) Max.

item 0 (5631311100): port 2 ► port 3, port 4 ► port 5

item 0 (5631312100): closed center

item I: port 1 ► port 4, port 2 ► port 3

item II: port 4 ► port 5, port 1 ► port 2

Valve plug connector, series CON-VP

- Socket, 2+E, angled, 90°
- EN 175301-803
- unshielded
- with LED Yellow Red



Connection type	Screws
Ambient temperature min./max.	-40 ... 90 °C
Operational voltage	See table below
Protection class	IP65
Mounting screw tightening torque	0.4 Nm
Weight	See table below

Technical data

Part No.		Operational voltage	Protective circuit	Contact assignment	LED status display
1834484101		24 V AC/DC	Z-diode	2+E	Yellow
1834484102		110 V AC	Varistor	2+E	Red
1834484103		230 V AC	Varistor	2+E	Red

Part No.	suitable cable-Ø min./max	Seal	Weight	
1834484101	6 / 8 mm	Silicone caoutchouc	0.03 kg	1)
1834484102	6 / 8 mm	caoutchouc/butadiene caoutchouc	0.03 kg	2)
1834484103	6 / 8 mm	Silicone caoutchouc	0.025 kg	2)

1) Flat gasket

2) Profile seal

Technical information

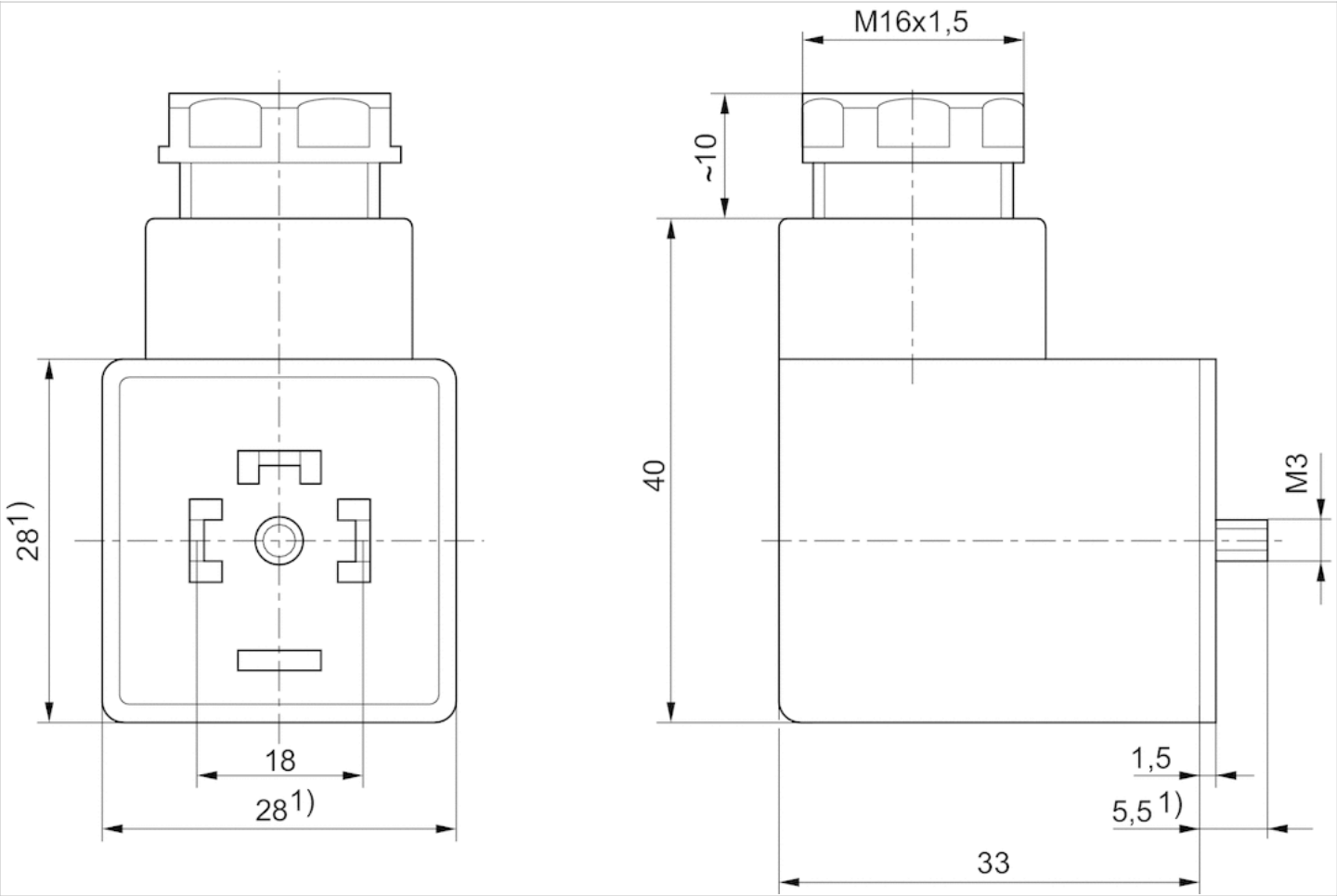
The specified protection class is only valid in assembled and tested state.

Technical information

Material	
Seals	Silicone caoutchouc caoutchouc/butadiene caoutchouc

Dimensions

Dimensions



1) Max.

Valve plug connector, series CON-VP

- Socket form A 2+E angled 90°
- open cable ends 3-pin
- with cable
- unshielded



Ambient temperature min./max.	-20 ... 80 °C
Operational voltage	See table below
Protection class	IP67
Wire cross-section	0.75 mm ²
Mounting screw tightening torque	0.4 Nm
Weight	See table below

Technical data

Part No.		Operational voltage	Protective circuit	Contact assignment	LED status display
1834484160		230 V AC/DC	-	2+E	-
1834484162		24 V AC/DC	Z-diode	2+E	Yellow
1834484163		24 V AC/DC	Z-diode	2+E	Yellow
1834484164		230 V AC/DC	Varistor	2+E	Red
1834484165		230 V AC/DC	Varistor	2+E	Red

Part No.	Number of wires	Cable-Ø	Cable length	Weight	Fig.	
1834484160	3	5.9 mm	3 m	0.2 kg	Fig. 1	1)
1834484162	3	5.9 mm	3 m	0.2 kg	Fig. 2	-
1834484163	3	5.9 mm	5 m	0.31 kg	Fig. 2	-
1834484164	3	5.9 mm	3 m	0.2 kg	Fig. 2	-
1834484165	3	5.9 mm	5 m	0.31 kg	Fig. 2	-

1) Scope of delivery incl. flat gasket

Technical information

The specified protection class is only valid in assembled and tested state.

Technical information

Material	
Seals	caoutchouc/butadiene caoutchouc
Cable sheath	Polyvinyl chloride

Dimensions

Fig. 1

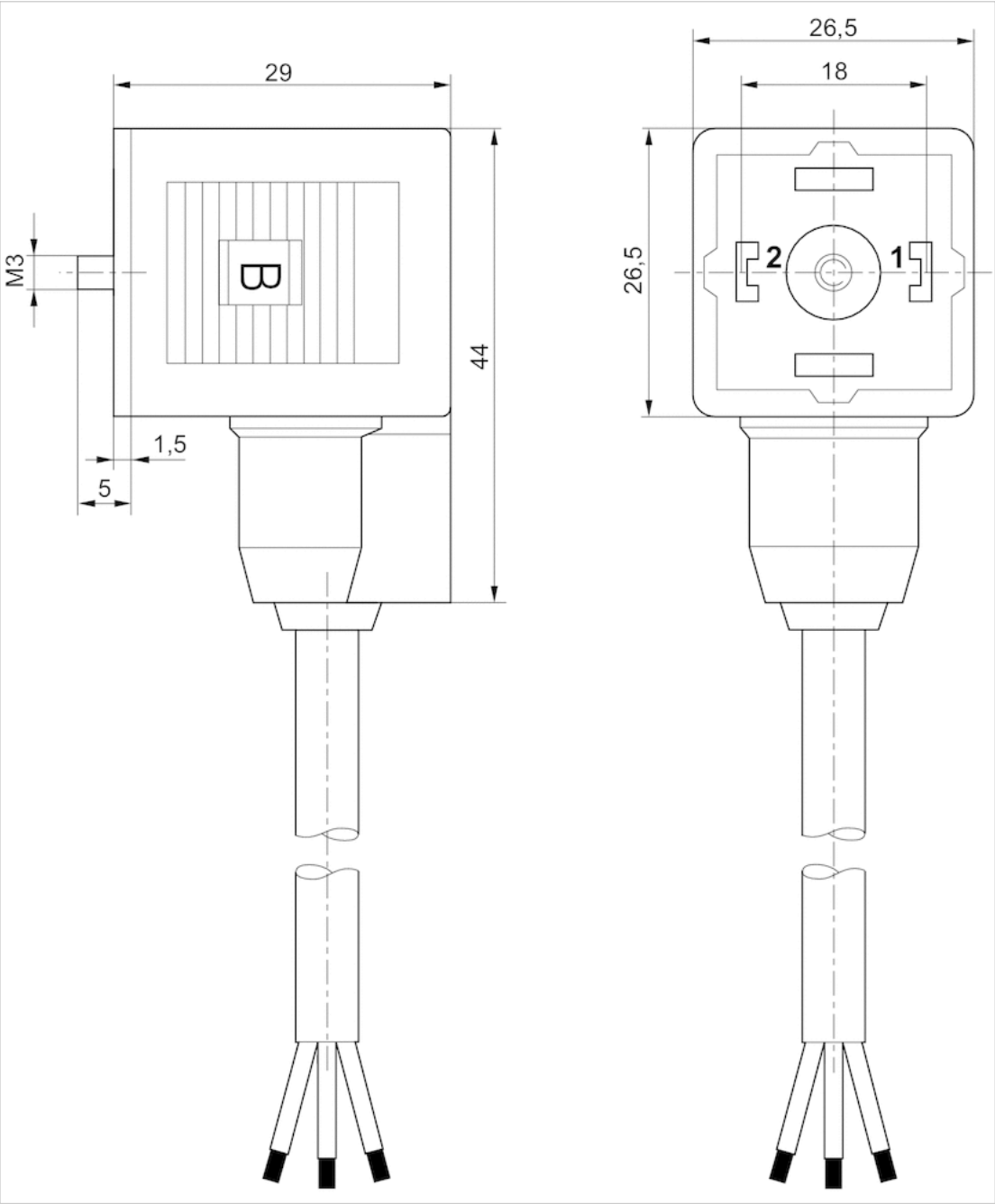
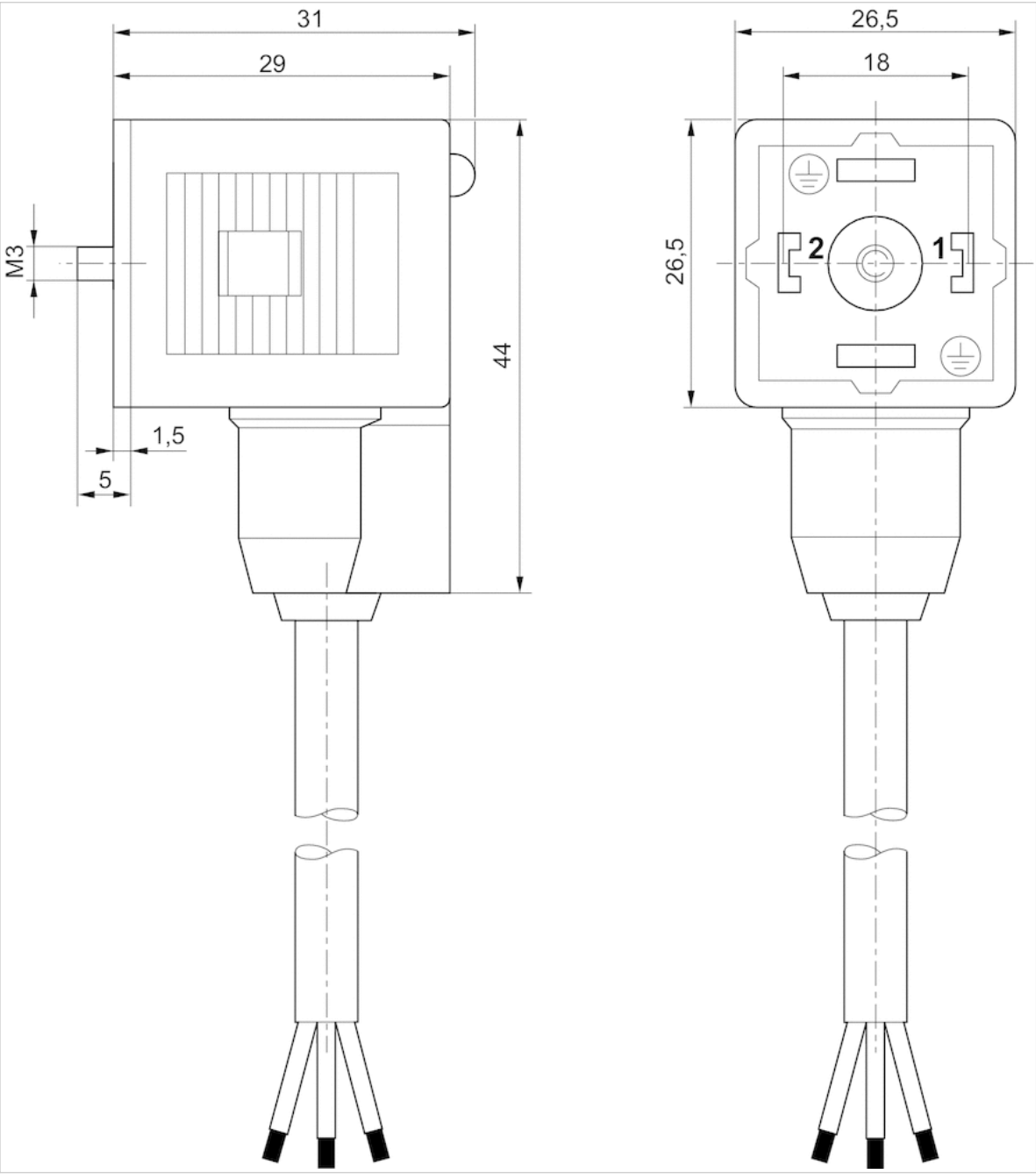


Fig. 2



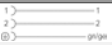
Valve plug connector, series CON-VP

- Socket, Form B, industry, 2+E, angled, 90°
- Industry standard
- unshielded
- with LED Yellow Red



Connection type	Screws
Ambient temperature min./max.	-25 ... 50 °C
Operational voltage	See table below
Protection class	IP65
Mounting screw tightening torque	0.4 Nm
Weight	0.02 kg

Technical data

Part No.		Operational voltage	Max. current	Protective circuit	Contact assignment
1834484051		-	10 A	-	2+E
1834484107		24 V AC/DC	-	Z-diode	2+E
1834484108		110 V AC	-	Varistor	2+E
1834484109		230 V AC	-	Varistor	2+E

Part No.	LED status display	suitable cable-Ø min./max	Seal	Fig.	
1834484051	-	4 / 8 mm	caoutchouc/butadiene caoutchouc	Fig. 1	1)
1834484107	Yellow	6 / 8 mm	Silicone caoutchouc	Fig. 2	2)
1834484108	Red	6 / 8 mm	Silicone caoutchouc	Fig. 2	1)
1834484109	Red	4 / 8 mm	Silicone caoutchouc	Fig. 2	2)

1) Profile seal

2) Flat gasket,

Technical information

For security reasons, the valve plug connector must be plugged properly and centrally.
The specified protection class is only valid in assembled and tested state.

Technical information

Material	
Seals	caoutchouc/butadiene caoutchouc Silicone caoutchouc

Dimensions

Fig. 1

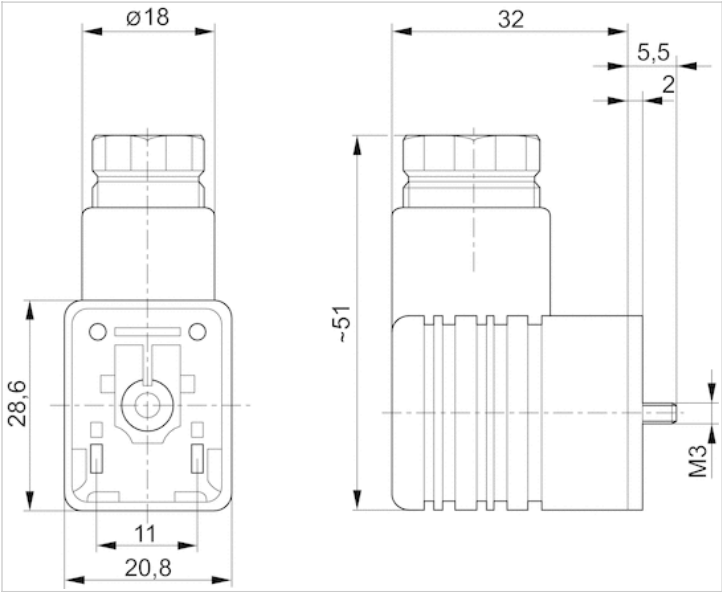
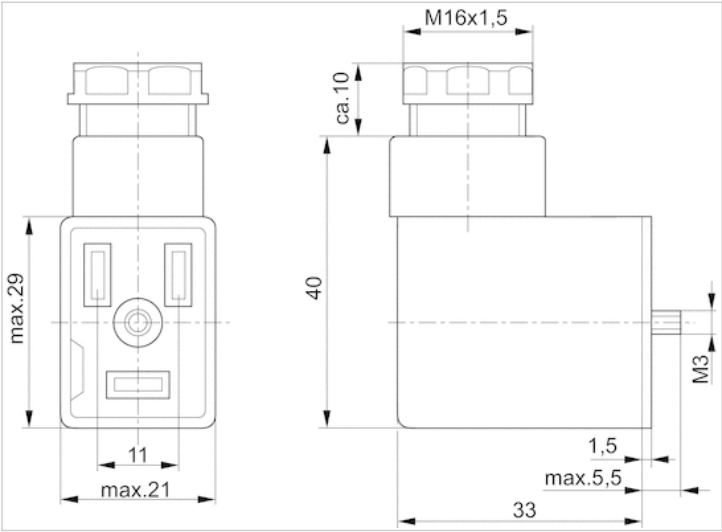


Fig. 2



Valve plug connector, series CON-VP

- Socket Form B, industry 2+E angled 90°
- open cable ends 3-pin
- with cable
- unshielded



Ambient temperature min./max.	-20 ... 80 °C
Protection class	IP67
Wire cross-section	0.75 mm²
Mounting screw tightening torque	0.4 Nm
Weight	0.02 kg



Technical data

Part No.	Max. current	Contact assignment	Number of wires	Cable-Ø	Cable length
8946201912	4 A	2+E	3	5.9 mm	3 m

Technical information

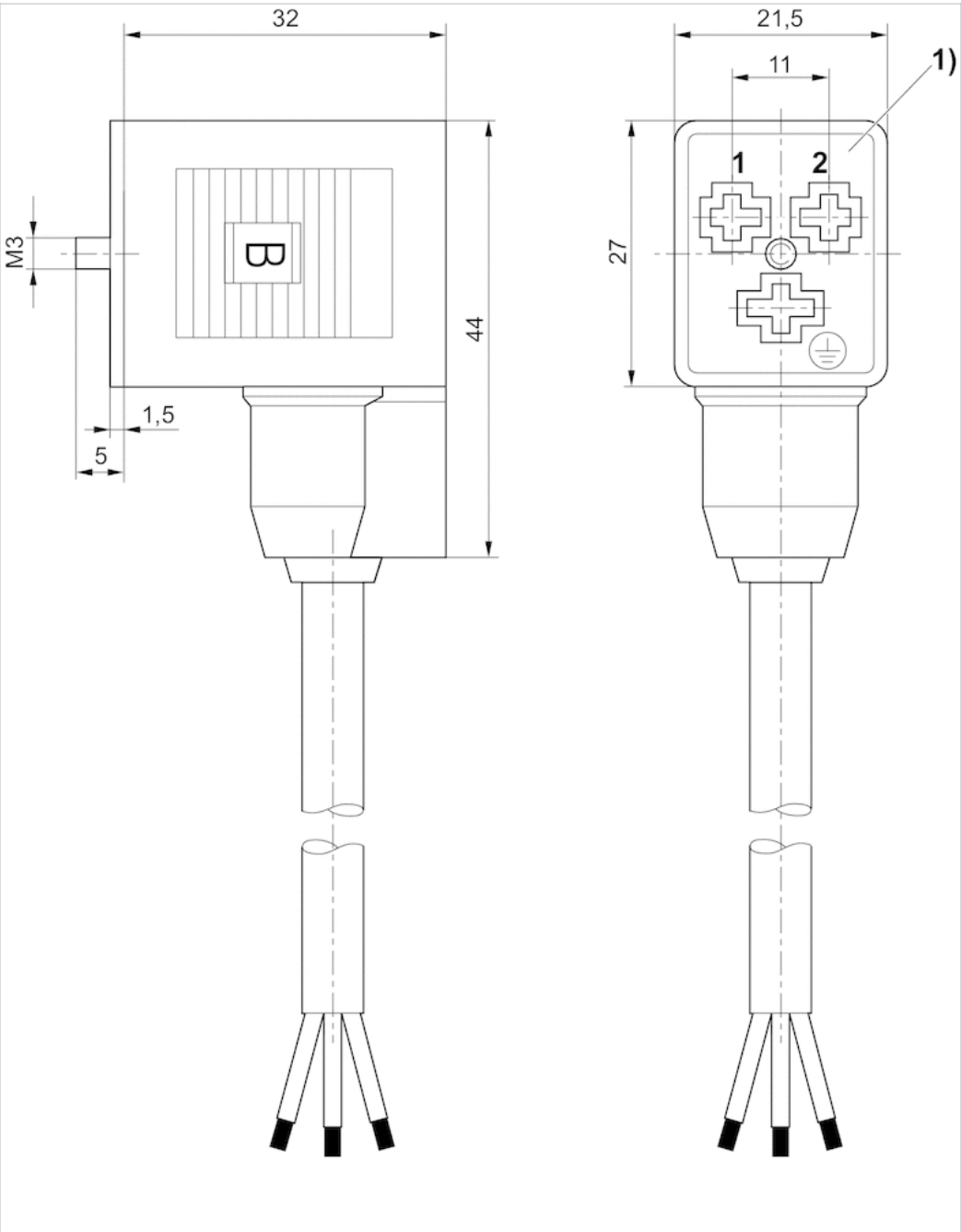
For security reasons, the valve plug connector must be plugged properly and centrally.
The specified protection class is only valid in assembled and tested state.

Technical information

Material	
Cable sheath	Polyvinyl chloride

Dimensions

Dimensions



1) 0° female insert

Coil, Series CO1

- Form B, industry
- Coil width 22 mm
- Power consumption DC 2-5 W
- Holding power AC 8 VA
- Switch-on power AC 10 VA



Connector standard
electrical connections
Ambient temperature min./max.
Protection class With valve plug
connector/plug
Duty cycle ED
Weight

ISO 6952
Plug, Form B, industry
50 °C
IP65

100 %
See table below
An example configuration is illustrated.
The delivered product may thus deviate
from the illustration.

Technical data

Part No.	Operational voltage	Operational voltage	Voltage tolerance
	DC	AC 50 Hz	DC
0498317405	12 V	-	-
0498317502	24 V	-	-10% / +10%
0498318800	24 V	-	-10% / +10%
0498317618	48 V	-	-
0498317707	110 V	-	-10% / +10%
0498317804	220 V	-	-10% / +10%
0498316905	-	24 V	-
0498317006	-	48 V	-
0498317103	-	110 V	-
0498322506	-	230 V	-

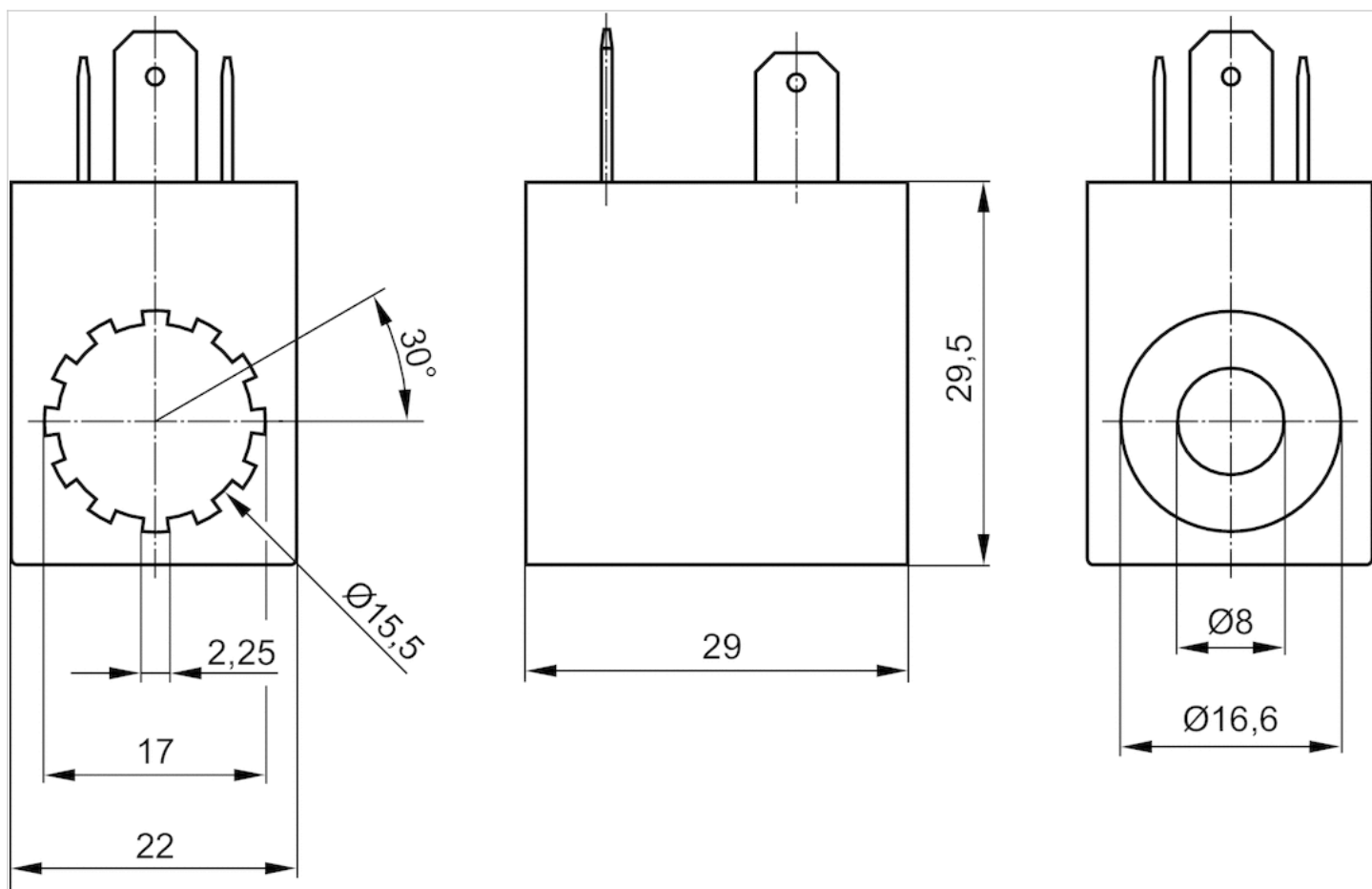
Part No.	Voltage tolerance	Power consumption	Holding power	Switch-on power
	AC 50 Hz	DC	AC 50 Hz	AC 50 Hz
0498317405	-	5 W	-	-
0498317502	-	5 W	-	-
0498318800	-	2 W	-	-
0498317618	-	5 W	-	-
0498317707	-	5 W	-	-
0498317804	-	5 W	-	-
0498316905	-10% / +10%	-	8 VA	10 VA
0498317006	-10% / +10%	-	8 VA	10 VA
0498317103	-10% / +10%	-	8 VA	10 VA
0498322506	-10% / +10%	-	8 VA	10 VA

0498317405	0.054 kg	-
0498318800	0.051 kg	1)
0498317707	0.054 kg	-
0498316905	0.054 kg	-
0498317103	0.051 kg	-

1) Low power consumption

Dimensions

Dimensions

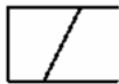


Coil, Series CO1

- form A
- Coil width 30 mm
- Power consumption DC 10 W
- Holding power AC 17 VA
- Switch-on power AC 30 VA



Connector standard	EN 175301-803, form A
electrical connections	Plug, 3-pin
Ambient temperature min./max.	-20 ... 50 °C
Protection class With valve plug connector/plug	IP65
Duty cycle ED	100 %
Compatibility index	33



Technical data

Part No.	Operational voltage	Operational voltage	Operational voltage
	DC	AC 50 Hz	AC 60 Hz
0498320503	12 V	-	-
0498319718	24 V	-	-
0498320406	48 V	-	-
0498320309	110 V	-	-
0498320201	220 V	-	-
0498319807	-	24 V	24 V
0498319904	-	110 V	110 V
0498322409	-	230 V	230 V

Part No.	Voltage tolerance	Voltage tolerance	Voltage tolerance	Power consumption
	DC	AC 50 Hz	AC 60 Hz	DC
0498320503	-10% / +10%	-	-	10 W
0498319718	-10% / +10%	-	-	10 W
0498320406	-10% / +10%	-	-	10 W
0498320309	-10% / +10%	-	-	10 W
0498320201	-10% / +10%	-	-	10 W
0498319807	-	-10% / +10%	-10% / +10%	-
0498319904	-	-10% / +10%	-10% / +10%	-
0498322409	-	-10% / +10%	-10% / +10%	-

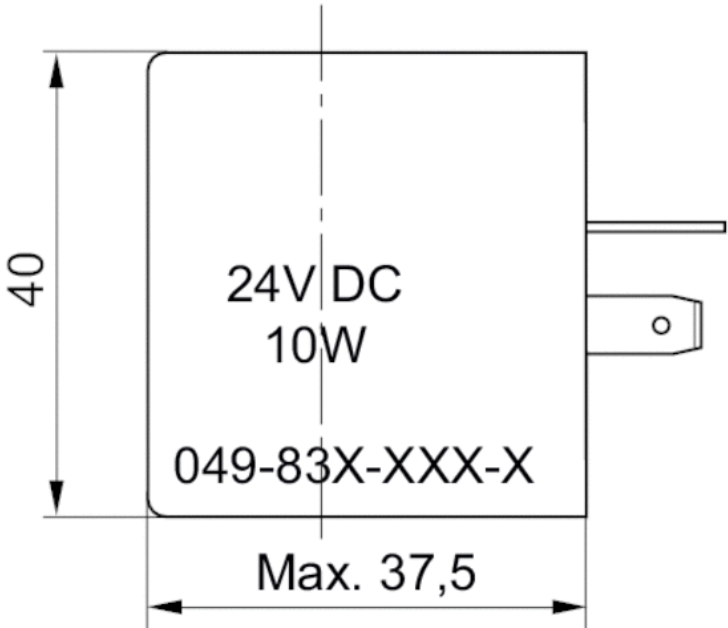
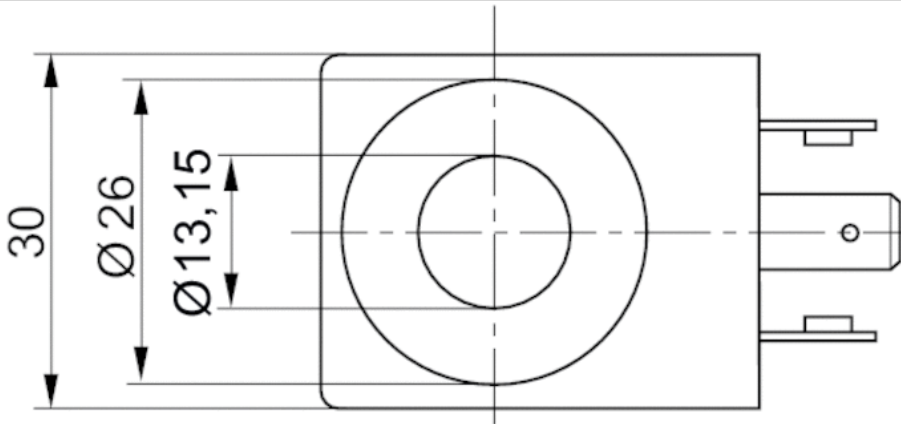
Part No.	Holding power	Holding power	Switch-on power	Switch-on power
	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
0498320503	-	-	-	-
0498319718	-	-	-	-
0498320406	-	-	-	-
0498320309	-	-	-	-
0498320201	-	-	-	-
0498319807	17 VA	14.5 VA	30 VA	25 VA
0498319904	17 VA	14.5 VA	30 VA	25 VA
0498322409	17 VA	14.5 VA	30 VA	25 VA

Technical information

Material	
Housing	Thermoplastic elastomer

Dimensions

Dimensions

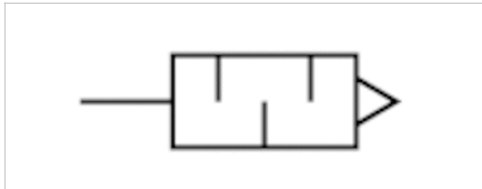


Silencers, series SI1

- G 1/4
- Sintered bronze



Working pressure min./max.	0 ... 10 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Sound pressure level	See table below
Weight	See table below
Comment	Flow characteristic curves can be found under "Diagrams".



Technical data

Part No.	Compressed air connection	Sound pressure level	Flow	Delivery unit	Weight
			Qn		
R412004817	G 1/4	-	5950 l/min	10 piece	0.013 kg
1827000001	G 1/4	79 dB	3390 l/min	10 piece	0.02 kg

Weight per piece

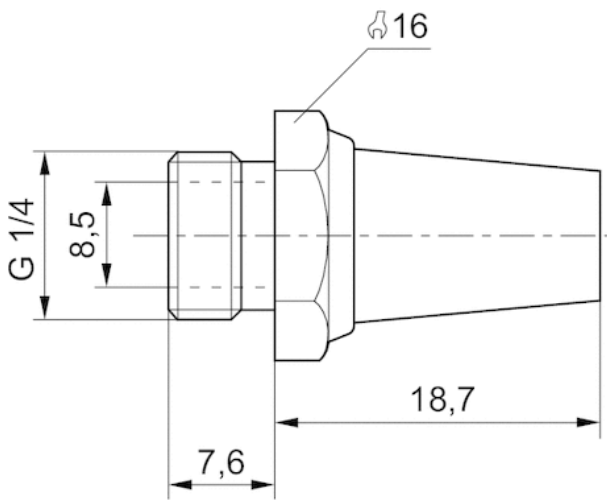
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

Technical information

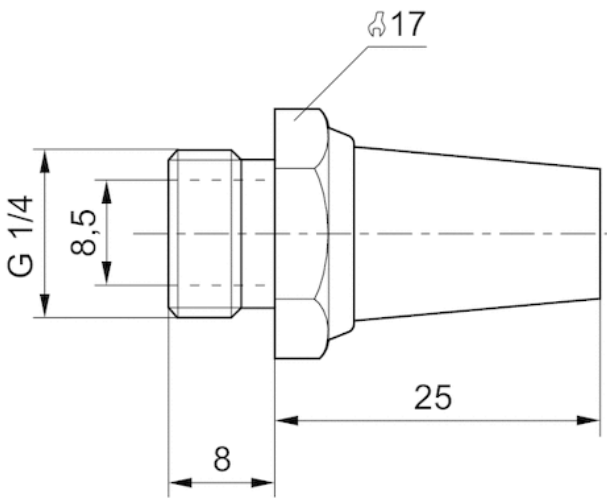
Material	
Silencer	Sintered bronze
Thread	Brass

Dimensions

Dimensions in mm



Dimensions in mm

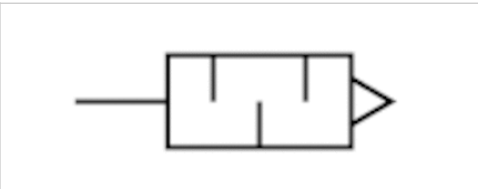


silencers, series SI1

- G 3/8
- Sintered bronze



Working pressure min./max.	0 ... 10 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Sound pressure level	84 dB
Weight	0.05 kg
Comment	Flow characteristic curves can be found under "Diagrams".



Technical data

Part No.	Compressed air connection	Flow	Delivery unit
		Qn	
1827000002	G 3/8	6554 l/min	5 piece

Weight per piece

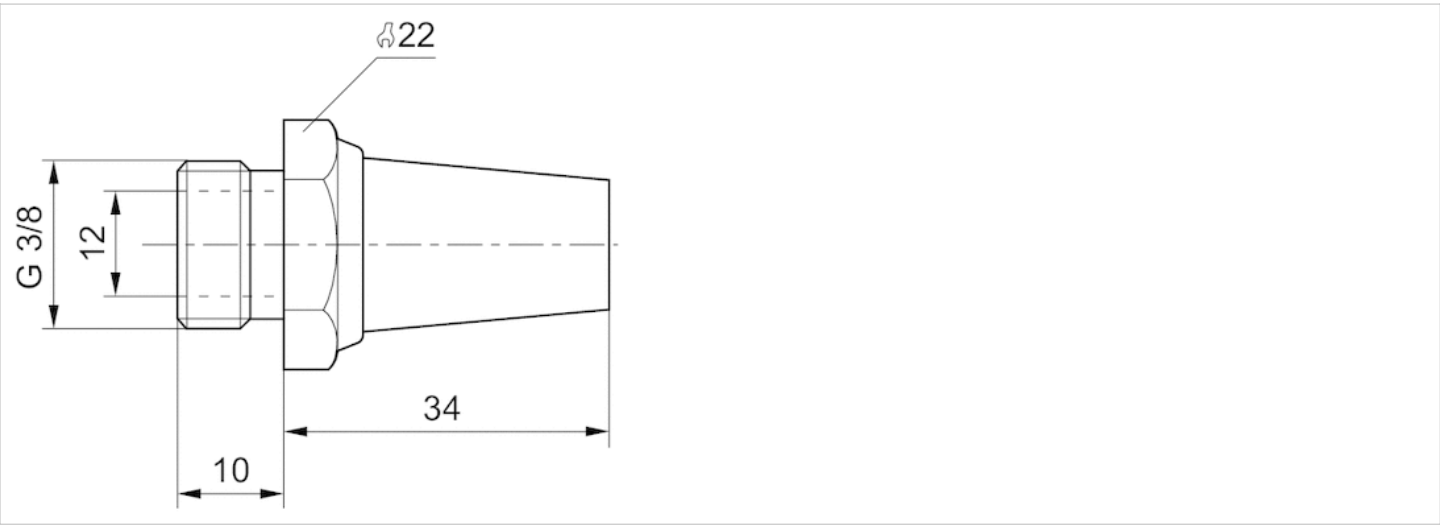
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

Technical information

Material	
Silencer	Sintered bronze
Thread	Brass

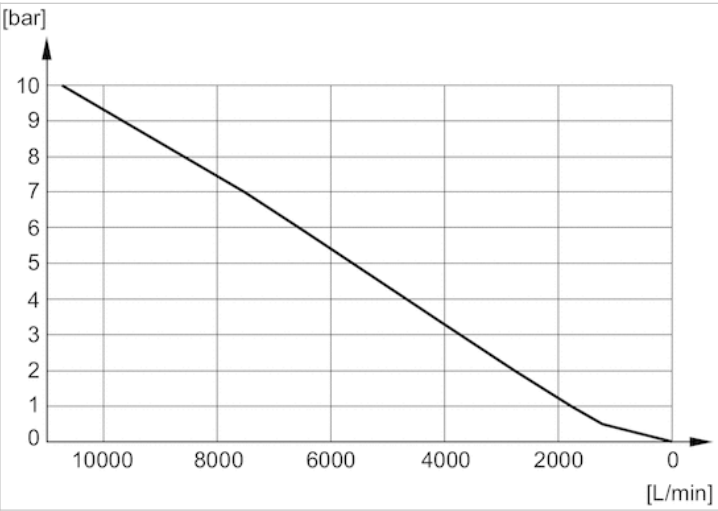
Dimensions

Dimensions in mm



Diagrams

Flow diagram, 1827000002

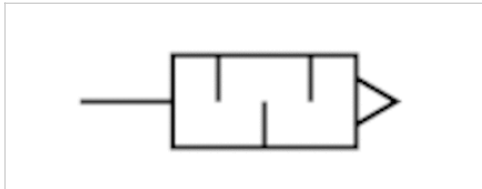


Silencers, series SI1

- G 1/2
- Sintered bronze



Working pressure min./max.	0 ... 10 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Sound pressure level	90 dB
Weight	0.08 kg
Comment	Flow characteristic curves can be found under "Diagrams".



Technical data

Part No.	Compressed air connection	Flow	Delivery unit
		Qn	
1827000003	G 1/2	7223 l/min	2 piece

Weight per piece

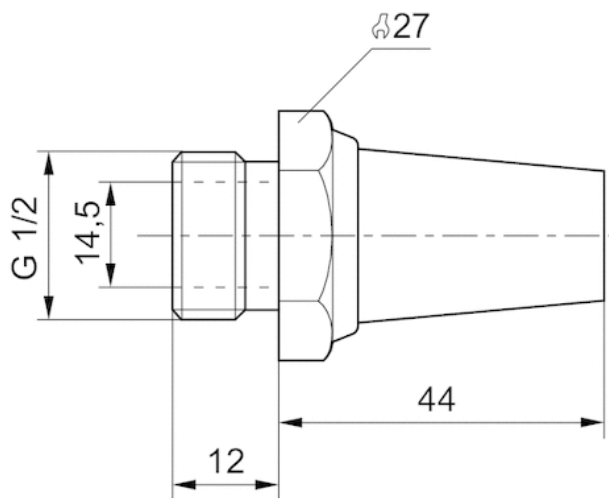
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

Technical information

Material	
Silencer	Sintered bronze
Thread	Brass

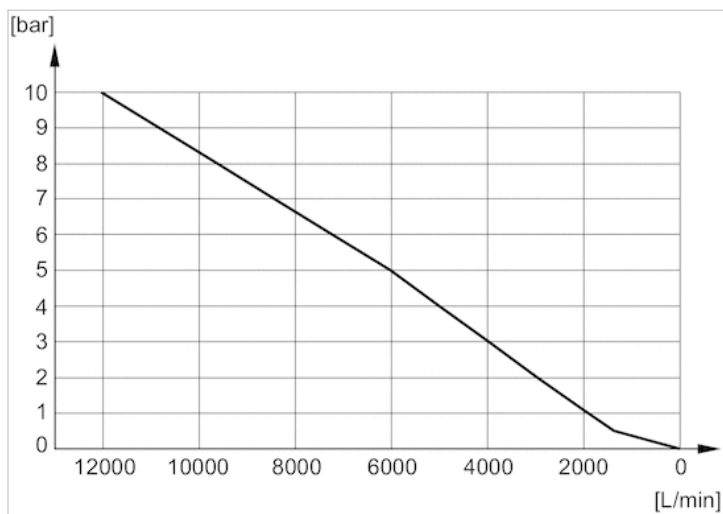
Dimensions

Dimensions in mm



Diagrams

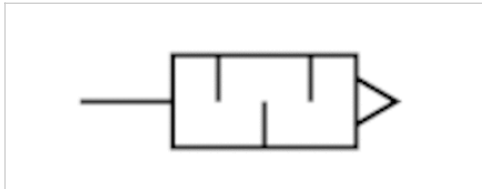
Flow diagram, 1827000003



Silencers, series SI1

- G 1/4 G 3/8 G 1/2

- Sintered bronze



Working pressure min./max.

0 ... 10 bar

Ambient temperature min./max.

-25 ... 80 °C

Medium

Compressed air

Sound pressure level

See table below

Weight

See table below

Comment

Flow characteristic curves can be found under "Diagrams".

Technical data

Part No.	Compressed air connection	Sound pressure level	Flow	Delivery unit	Weight
			Qn		
1827000033	G 1/4	88 dB	1116 l/min	10 piece	0.01 kg
1827000034	G 3/8	90 dB	1706 l/min	5 piece	0.016 kg
1827000035	G 1/2	85 dB	2568 l/min	2 piece	0.035 kg

Weight per piece

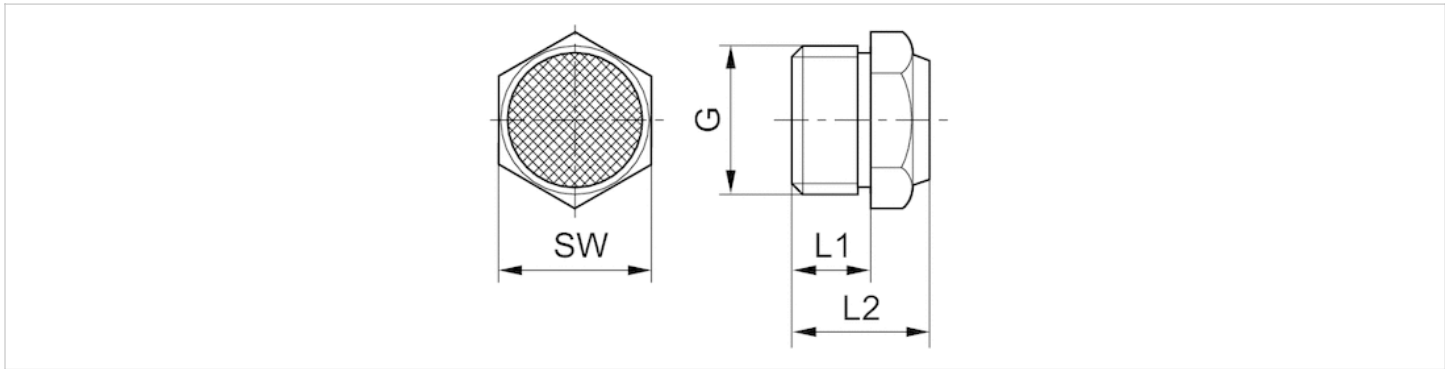
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

Technical information

Material	
Silencer	Sintered bronze
Thread	Brass

Dimensions

Dimensions



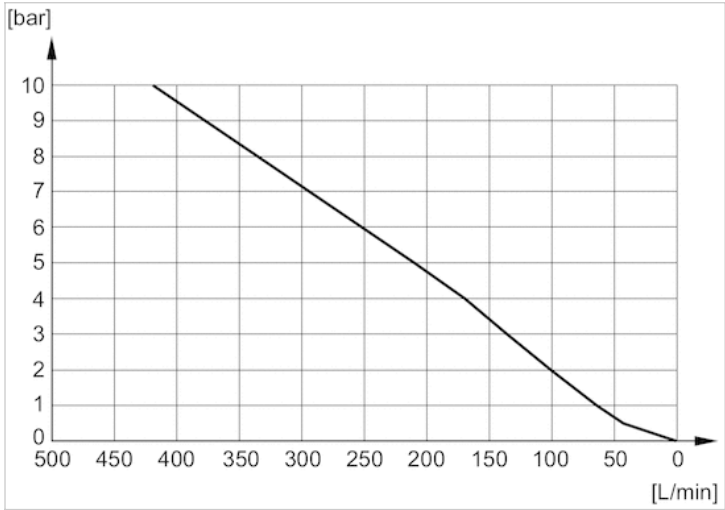
Dimensions

1827000033	G 1/4	8	13.5	17
1827000035	G 1/2	12	19.5	27

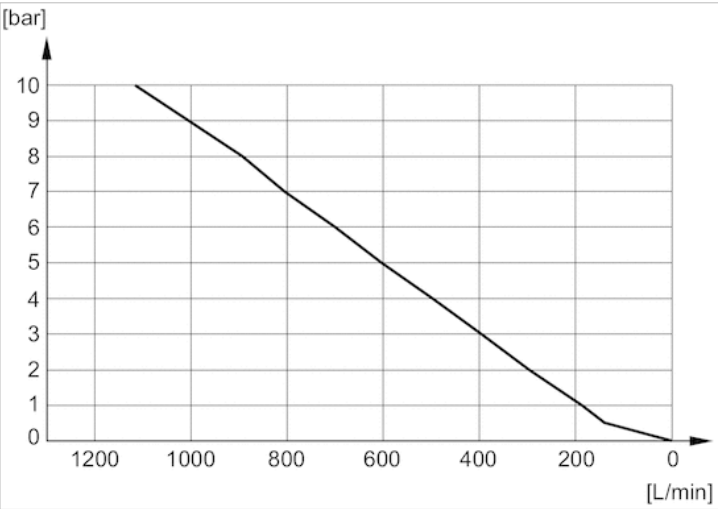
Sound pressure level measured at 6 bar at 1 m distance

Diagrams

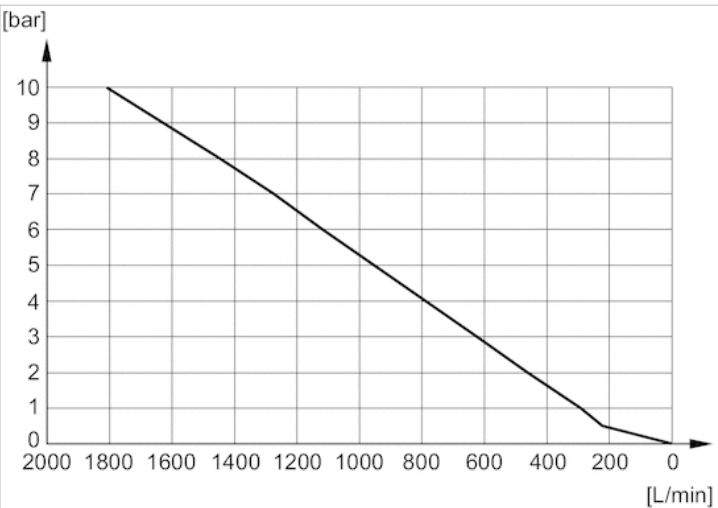
Flow diagram, 1827000032



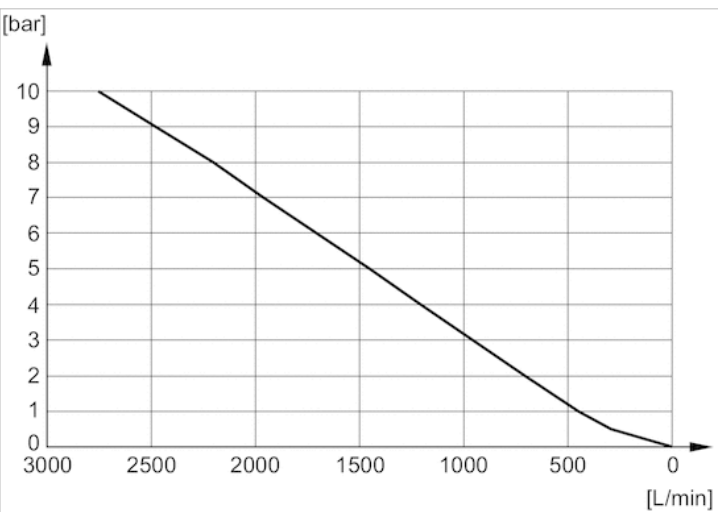
Flow diagram, 1827000031



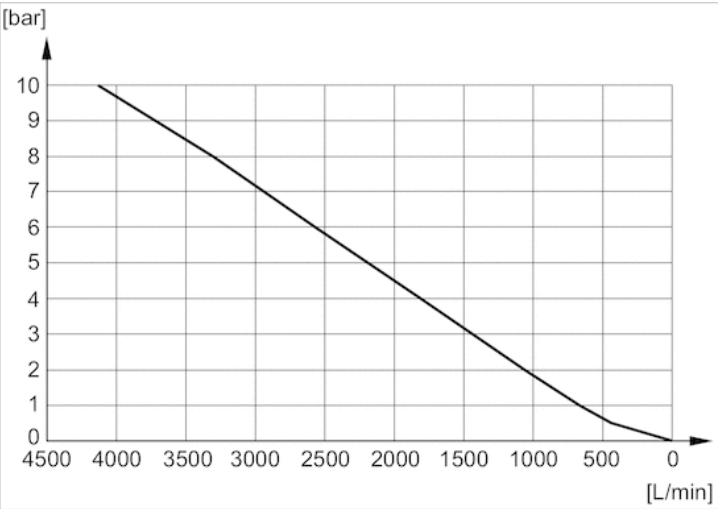
Flow diagram, 1827000033



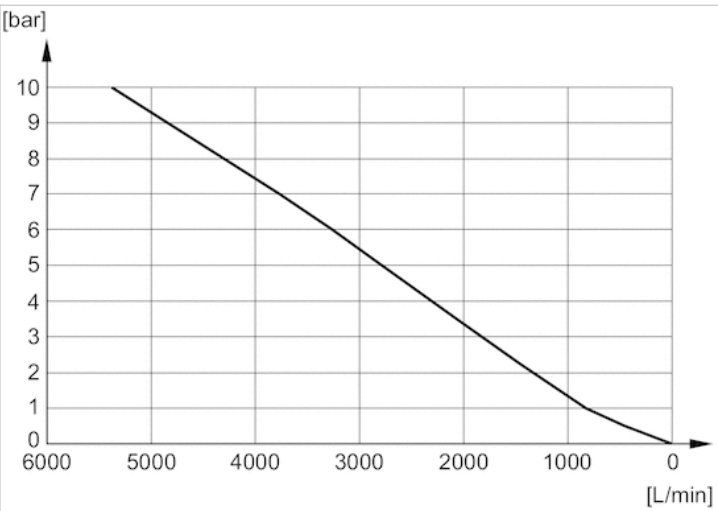
Flow diagram, 1827000034



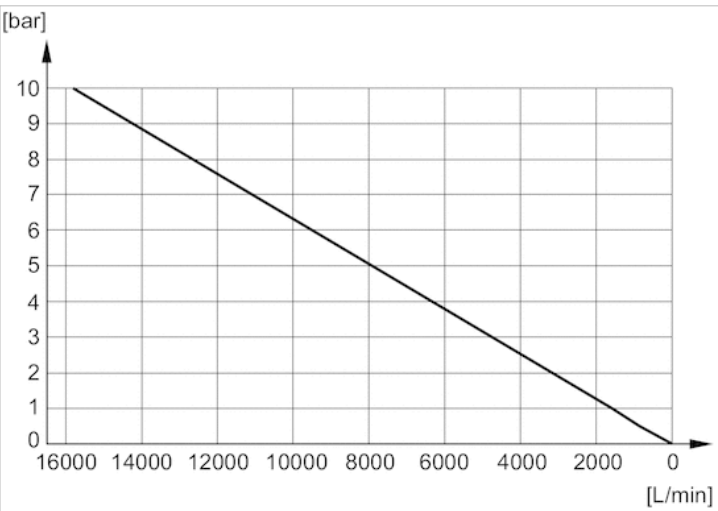
Flow diagram, 1827000035



Flow diagram, 8145003400



Flow diagram, 8145001000



Single subbase, for series 563-565

- thread connections on the bottom
- Compressed air connection output G 1/4 G 3/8 G 1/2



Working pressure min./max.	-1 ... 30 bar
Ambient temperature min./max.	-20 ... 120 °C
Medium temperature min./max.	-20 ... 120 °C
Medium	Compressed air
Number of valve positions max.	1
Direction of pneumatic port (1)	Down
Direction of pneumatic port (3,5)	Down
Direction of pneumatic port (2,4)	Down
Direction of pneumatic port (12)	Down
Direction of pneumatic port (14)	Down
Weight	See table below

Technical data

Part No.	Suitable for Series	Compressed air connection Input [1]	Compressed air connection Output [2 / 4]
R402003177	563	G 1/4	G 1/4
5644410000	565	G 3/8	G 3/8
5654410000	565	G 1/2	G 1/2

Part No.	Compressed air connection Exhaust [3 / 5]	Compressed air connection Pilot connection [X]	Weight
R402003177	G 1/4	G 1/8	0.16 kg
5644410000	G 3/8	G 1/8	0.39 kg
5654410000	G 1/2	G 1/8	0.37 kg

Technical information

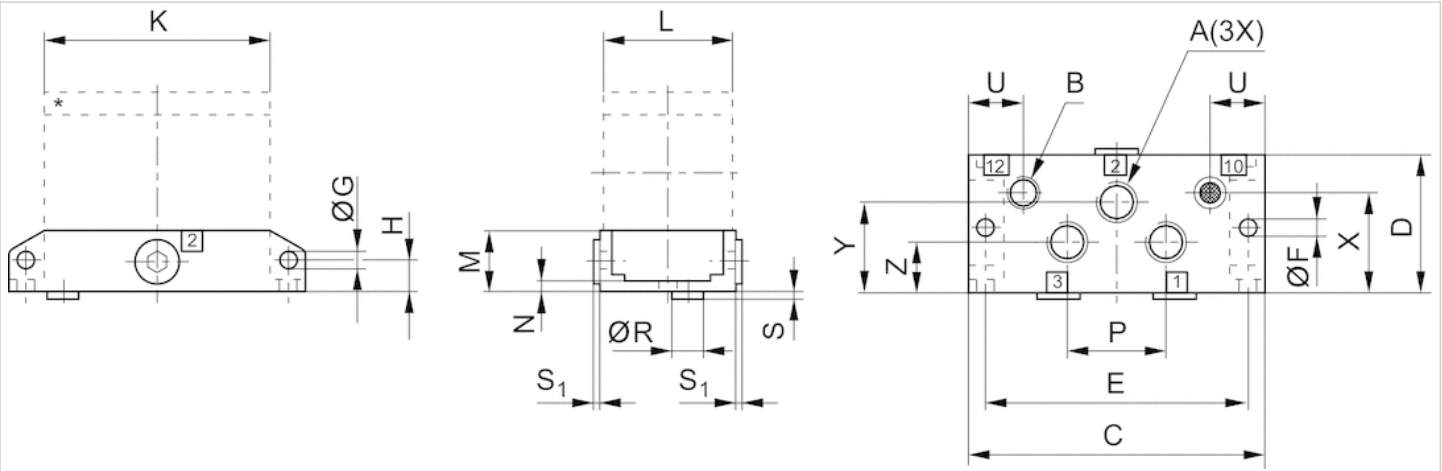
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
 The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
 The oil content of compressed air must remain constant during the life cycle.
 Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Surface	painted
Base plate	Die-cast aluminum, black painted

Dimensions

Dimensions



Dimensions

Part No.	A	B	C	D	E	F	G	H	K	L	M	N	P	R	S	S1	U	X	Y	Z
R402003177	G 1/4	G 1/8	96	44	85	5.3	5.1	10	73	42	20	4	32	11	2	3	17.5	28.5	28.5	15.5
5644410000	G 3/8	G 1/8	128	56	114	6.5	6.1	17	100	52	32	6	56	11	2	3.5	21.5	40	36	20
5654410000	G 1/2	G 1/8	128	56	114	6.5	6.1	17	100	52	32	6	56	11	2	3.5	21.5	40	36	20

Single subbase, Series 563, 565, 567

- thread connections on the side

- Compressed air connection output G 1/4 G 3/8 G 1/2 G 3/4 G 1 G 1 1/2



Working pressure min./max.

Ambient temperature min./max.

Medium temperature min./max.

Medium

Number of valve positions max.

Direction of pneumatic port (1)

Direction of pneumatic port (3,5)

Direction of pneumatic port (2,4)

Direction of pneumatic port (12)

Direction of pneumatic port (14)

Weight

See table below

-20 ... 120 °C

-20 ... 120 °C

Compressed air

1

On the side

On the side

On the side

On the side

On the side

See table below

Technical data

Part No.	Suitable for Series	Compressed air connection Input [1]	Compressed air connection Output [2 / 4]
5634420000	563	G 1/4	G 1/4
5644420000	565	G 3/8	G 3/8
5654420000	565	G 1/2	G 1/2
5664420000	567	G 3/4	G 3/4
5674420000	567	G 1	G 1
5684420000	2x 567	G 1 1/2	G 1 1/2

Part No.	Compressed air connection Exhaust [3 / 5]	Compressed air connection Pilot connection [X]
5634420000	G 1/4	G 1/8
5644420000	G 3/8	G 1/8
5654420000	G 1/2	G 1/8
5664420000	G 3/4	G 1/8
5674420000	G 1	G 1/8
5684420000	G 1 1/2	G 1/4

Part No.	Working pressure min./max.	Weight	Fig.
5634420000	-1 ... 30 bar	0.13 kg	Fig. 1
5644420000	-1 ... 30 bar	0.37 kg	Fig. 1
5654420000	-1 ... 30 bar	0.32 kg	Fig. 1
5664420000	-1 ... 30 bar	1.1 kg	Fig. 2
5674420000	-1 ... 42 bar	1 kg	Fig. 2
5684420000	-1 ... 30 bar	3.7 kg	Fig. 3

Technical information

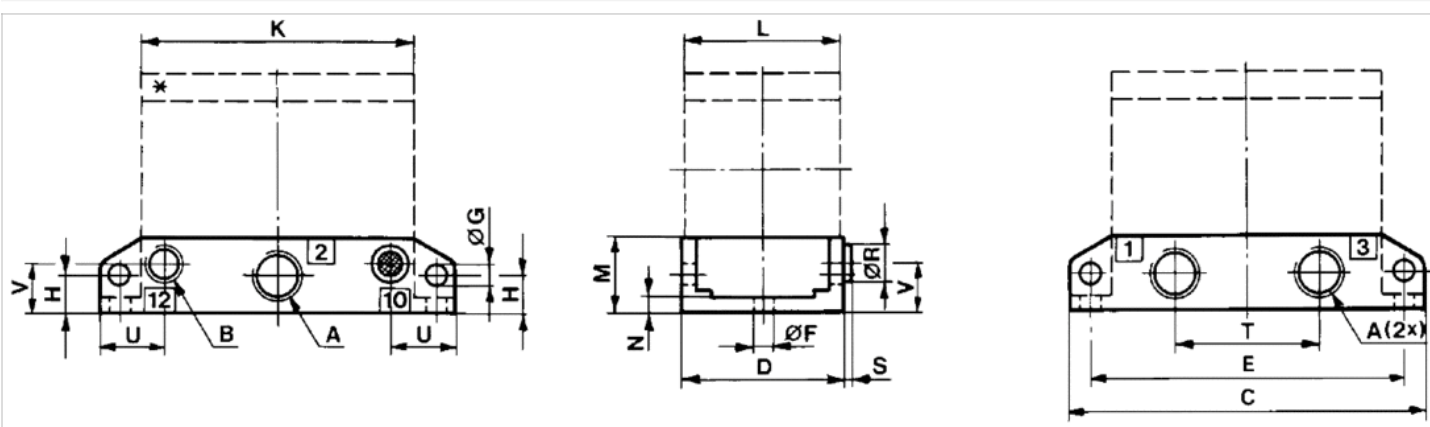
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

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.

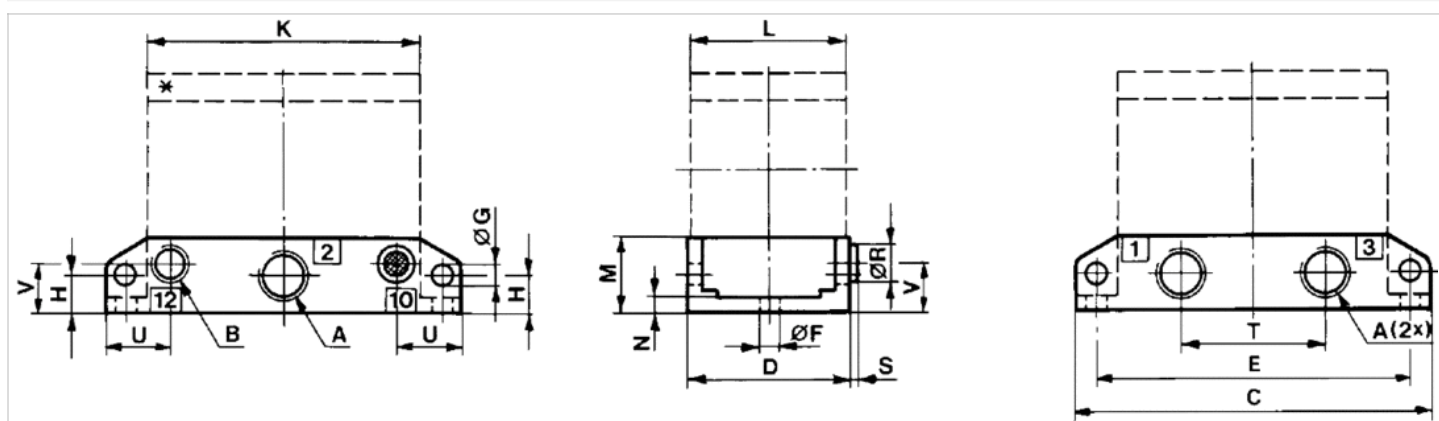
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Surface	
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Dimensions

Fig. 1

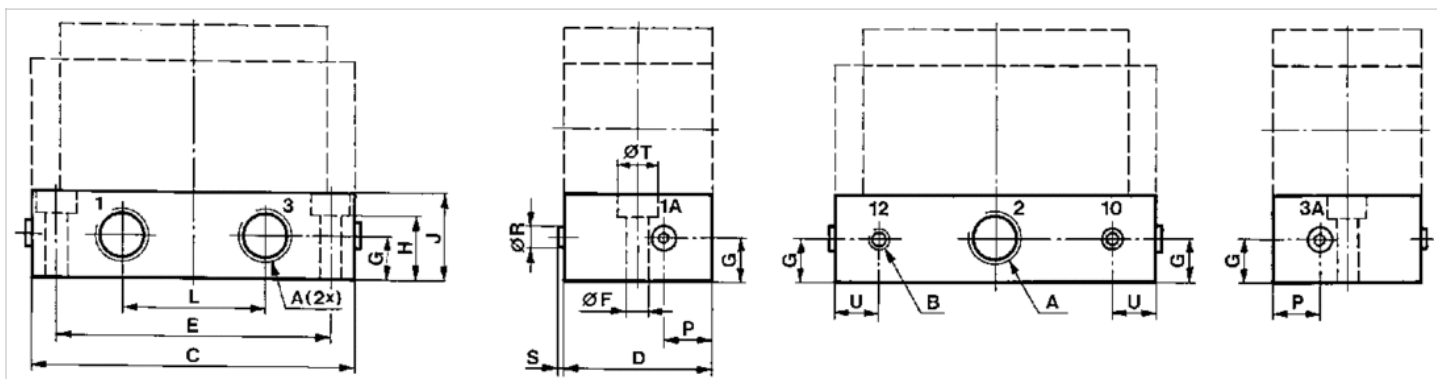


Dimensions

Part No.	A	B	C	D	E	F	G	H	K	L	M	N	R	S	T	U	V
5634420000	G 1/4	G 1/8	96	44	85	5.3	5.1	10	73	42	20	4	10	2	39	17.5	13
5644420000	G 3/8	G 1/8	128	56	114	6.5	6.1	17	100	52	32	6	10	2	56	21.5	23.5
5654420000	G 1/2	G 1/8	128	56	114	6.5	6.1	17	100	52	32	6	10	2	56	21.5	23.5

Dimensions

Fig. 2

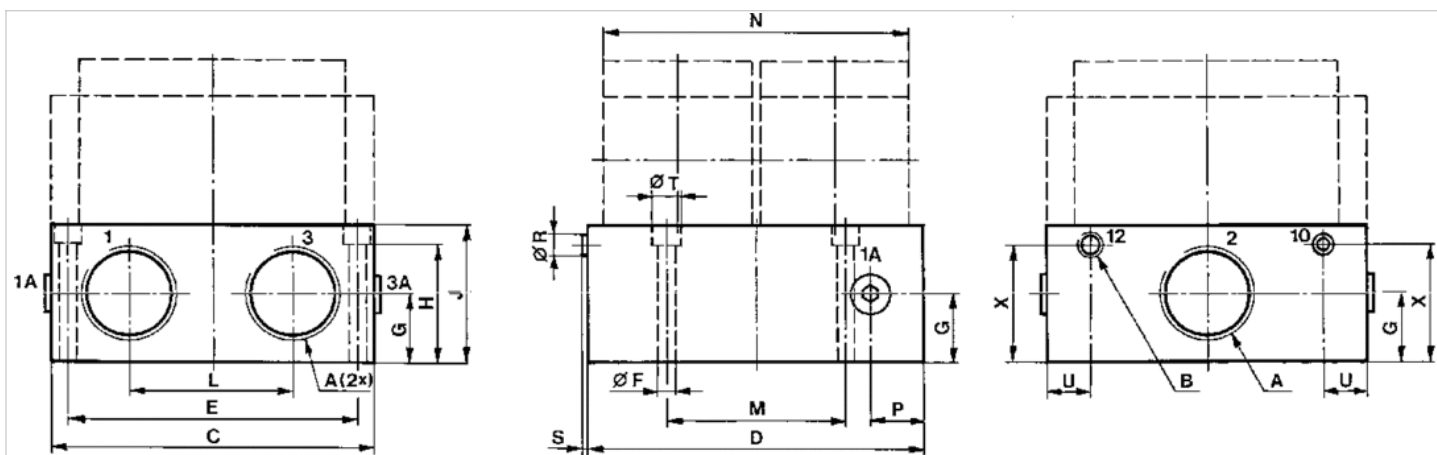


Dimensions

5664420000	G 3/4	G 1/8	162	75	138	11	24	32	44	72	24	10	2	20	22
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Dimensions

Fig. 3



Dimensions

Part No.	A	B	C	D	E	F	G	H	J	L	M	N	P	R	S	T	U	X
5684420000	G 1 1/2	G 1/4	162	170	146	9	35	60	70	84	90	154	27	10	2	14	22	60

Base plate, Series 563, 565

- Compressed air connection output G 1/4 G 3/8 G 1/2
- Can be assembled into blocks



Working pressure min./max.	-1 ... 30 bar
Ambient temperature min./max.	-20 ... 120 °C
Medium temperature min./max.	-20 ... 120 °C
Medium	Compressed air
Number of valve positions max.	1
Direction of pneumatic port (2,4)	Down
Direction of pneumatic port (12)	Down
Direction of pneumatic port (14)	Down
Weight	See table below

Technical data

Part No.	Suitable for Series	Compressed air connection Input [1]	Compressed air connection Output [2 / 4]
5634510000	563	-	G 1/4
5644510000	565	G 3/4	G 3/8
5654510000	565	-	G 1/2

Part No.	Compressed air connection Exhaust [3 / 5]	Compressed air connection Pilot connection [X]	Weight
5634510000	-	G 1/8	0.15 kg
5644510000	G 3/4	G 1/8	0.36 kg
5654510000	-	G 1/8	0.33 kg

Technical information

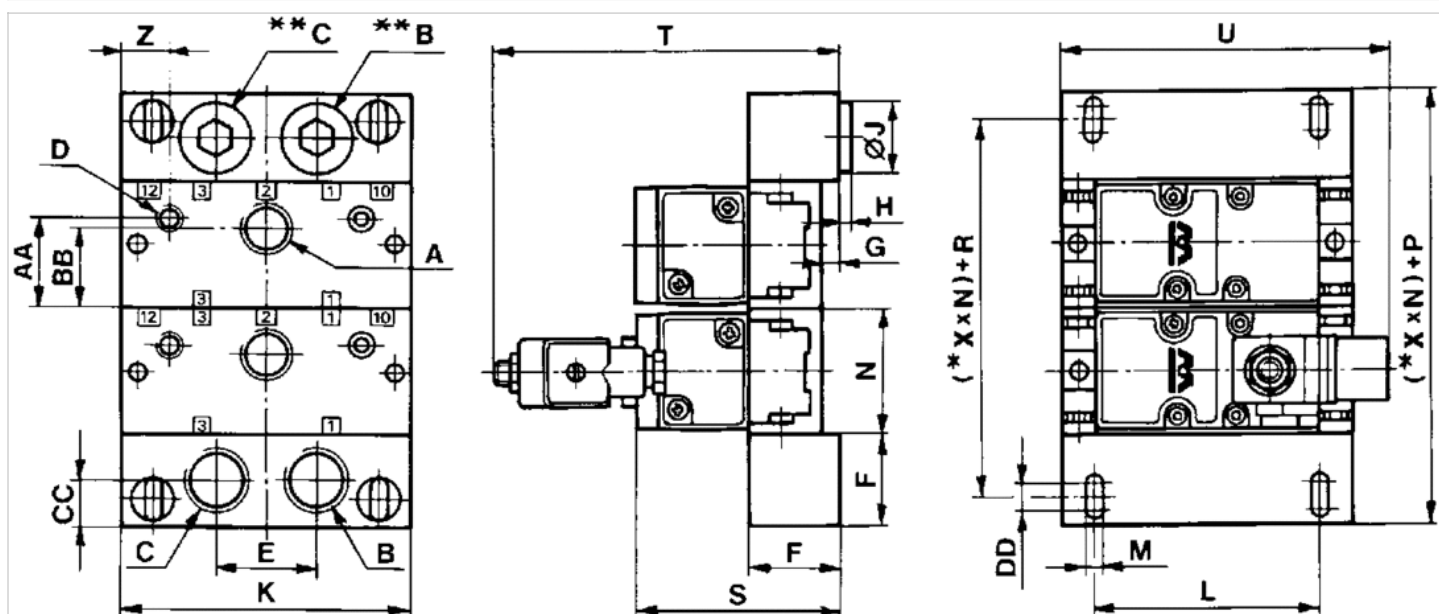
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
 The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
 The oil content of compressed air must remain constant during the life cycle.
 Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Surface	painted
Base plate	Die-cast aluminum, black painted
Seal	Acrylonitrile butadiene rubber

Dimensions

Dimensions



* N = number of subbases

** Blanking plug

Dimensions

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	Z	AA
5634510000	G 1/4	G 3/8	G 3/8	G 1/8	30	25	5	3	17	96	74	6.5	44	50	25	68	119	114	17.5	28.5
5644510000	G 3/8	G 3/4	G 3/4	G 1/8	44	40	8	4.5	27	128	100	7	56	80	56	90	159	135	21.5	40
5654510000	G 1/2	G 3/4	G 3/4	G 1/8	44	40	8	4.5	27	128	100	7	56	80	56	90	159	135	21.5	40

BB	CC	DD	Weight
28.5	12.5	12	0.15 kg
36	20	12	0.36 kg
36	20	12	0.33 kg

End plate kit, Series 563, 565

- Can be assembled into blocks



Working pressure min./max.	-1 ... 30 bar
Ambient temperature min./max.	-20 ... 120 °C
Medium temperature min./max.	-20 ... 120 °C
Medium	Compressed air
Direction of pneumatic port (1)	Down
Direction of pneumatic port (3,5)	Down
Weight	See table below

Technical data

Part No.	Suitable for Series	Compressed air connection Input [1]	Compressed air connection Exhaust [3 / 5]
5634800000	563	G 3/8	G 3/8
5654800000	565	G 3/4	G 3/4

Part No.	Delivery unit	Weight
5634800000	2 piece	0.34 kg
5654800000	2 piece	1 kg

Scope of delivery incl. seal and mounting screws

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).

Technical information

Material	
Housing	Die-cast aluminum, black painted
Surface	painted
Seal	Acrylonitrile butadiene rubber

Blanking plate, for series 563-565



Working pressure min./max.	-1 ... 30 bar
Ambient temperature min./max.	-20 ... 120 °C
Medium temperature min./max.	-20 ... 120 °C
Medium	Compressed air
Number of valve positions max.	1
Weight	See table below

Technical data

Part No.	Suitable for Series	Weight
5634530000	563	0.07 kg
5654530000	565	0.11 kg

Scope of delivery incl. seal and mounting screws

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).

Technical information

Material	
Housing	Die-cast aluminum, black painted
Surface	painted
Seal	Acrylonitrile butadiene rubber

Separator

- for 563, 565



Ambient temperature min./max.
 Weight

-20 ... 120 °C
 See table below
 The delivered product may vary from that
 in the illustration.

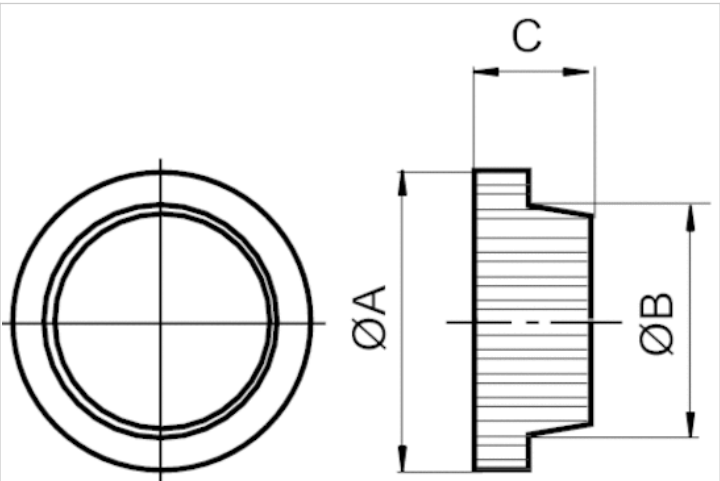
Technical data

Part No.	Type	Thread connection	Weight
5634810000	563	G 1/4	0.004 kg
5654810000	565	G 1/2	0.045 kg

Technical information

Material	
Housing	Brass
Seal	Acrylonitrile butadiene rubber

Dimensions



Dimensions

Part No.	Type	ØA	ØB	C
5634810000	563	14.6	12	6
5654810000	565	22.9	18.9	8

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