

3/2-directional valve, Series 563

- Qn = 1350 l/min
- 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 Qn	1350 l/min
Duty cycle	100 %
Weight	0,38 kg

Technical data

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

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

Part No.	Voltage tolerance	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5633011330	-	-	8 VA	-
5633011340	-	5 W	-	-
5633050100	-	2 W	-	-
5633011320	-10% / +10%	-	-	8 VA
5633011310	-	-	8 VA	-
5633010000	-	-	-	-

Part No.	Switch-on power	Switch-on power	Pilot	Protection class
	AC 50 Hz	AC 60 Hz		with connection
5633011330	10 VA	-	external, internal	IP65
5633011340	-	-	external, internal	IP65
5633050100	-	-	external, internal	IP65
5633011320	-	10 VA	external, internal	IP65
5633011310	10 VA	-	external, internal	IP65
5633010000	-	-	-	-

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

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

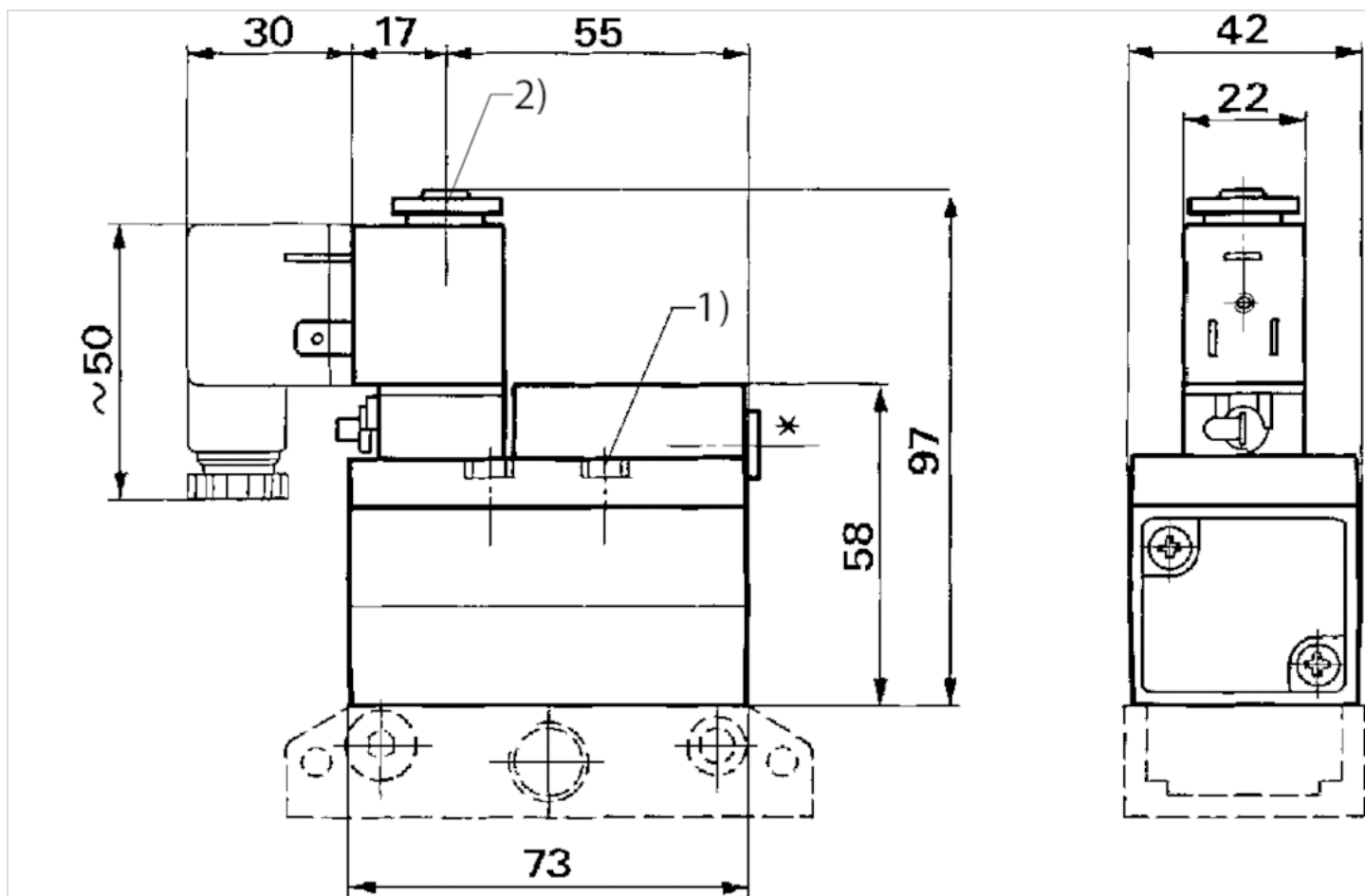
The valves can be energized via the port closed with a plug on the front side of the cover.

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

- Qn = 4240 l/min
- 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 Qn	4240 l/min
Duty cycle	100 %
Weight	See table below

Technical data

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

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

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

Part No.	Switch-on power	Switch-on power	Pilot	Protection class
	AC 50 Hz	AC 60 Hz		with connection
5653011330	26 VA	-	external, internal	IP65
5653011340	-	-	external, internal	IP65

Part No.	Switch-on power	Switch-on power	Pilot	Protection class
	AC 50 Hz	AC 60 Hz		with connection
5653011320	-	26 VA	external, internal	IP65
5653011310	26 VA	-	external, internal	IP65
5653010000	-	-	-	-

Part No.	basic valve with electrical connector	Weight
5653011330	-	0,8 kg
5653011340	-	0,8 kg
5653011320	-	0,8 kg
5653011310	-	0,8 kg
5653010000	Basic valve without coil	0,75 kg

Nominal flow Qn 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.

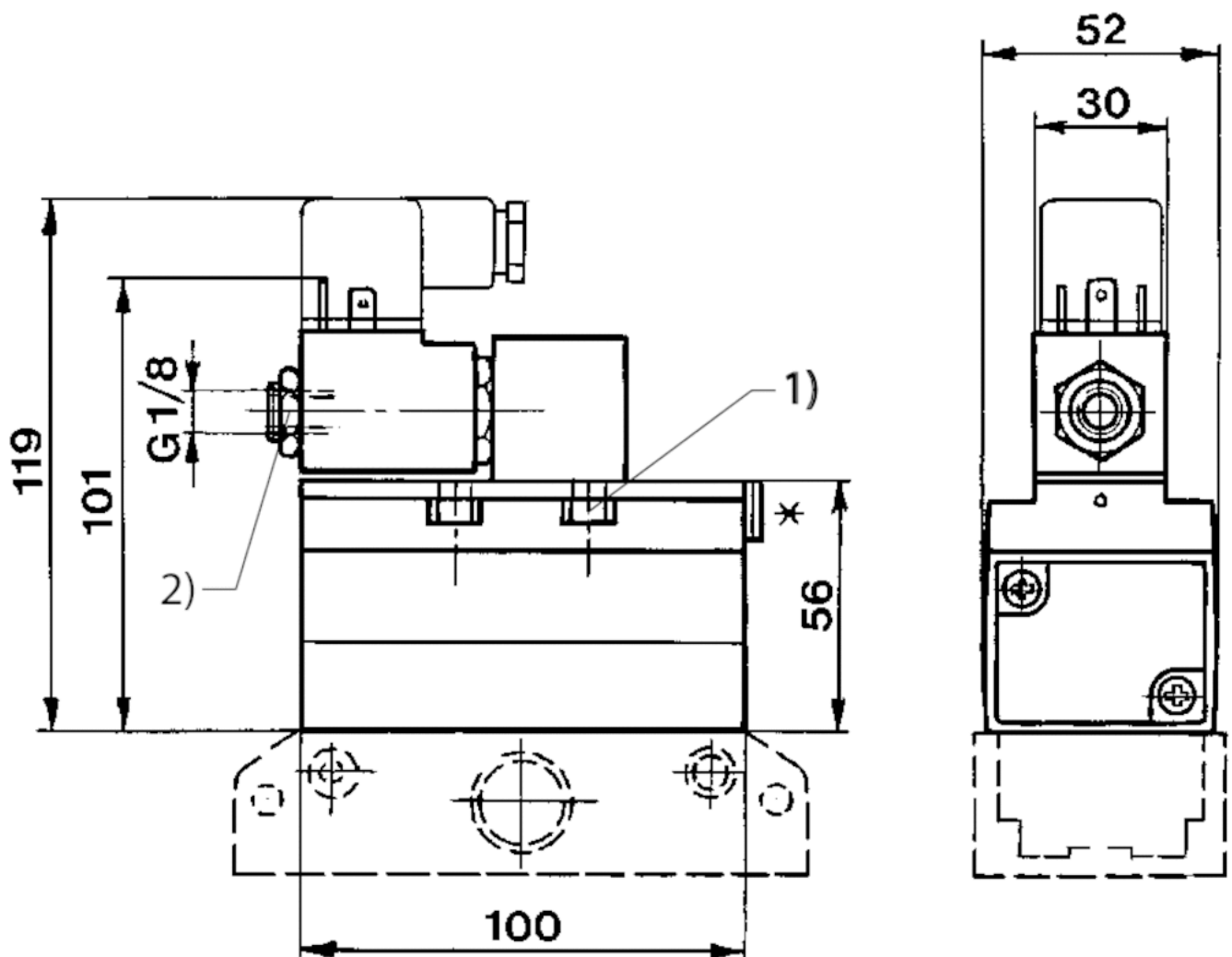
The size of the compressed air connection output for series 563, 565, 567 can vary due to optional use of the base plate. The base plate can be found under "Mechanical accessories".

Technical information

Material	
Housing	Aluminum
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) Tightening torque for mounting screws: 5.5 ± 0.5 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 567

- Qn = 13620 l/min
- 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 Qn	13620 l/min
Duty cycle	100 %
Weight	See table below

Technical data

Part No.		MO	Compressed air connection	Operationalvoltage
			Input	DC
5673011330			G 1	-
5673011340			G 1	24 V
5673011320			G 1	-
5673011310			G 1	-
5673010000			G 1	-

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

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

Part No.	Switch-on power	Switch-on power	Pilot	Protection class
	AC 50 Hz	AC 60 Hz		with connection
5673011330	26 VA	-	external, internal	IP65
5673011340	-	-	external, internal	IP65

Part No.	Switch-on power	Switch-on power	Pilot	Protection class
	AC 50 Hz	AC 60 Hz		with connection
5673011320	-	26 VA	external, internal	IP65
5673011310	26 VA	-	external, internal	IP65
5673010000	-	-	-	-

Part No.	basic valve with electrical connector	Weight
5673011330	-	2 kg
5673011340	-	2 kg
5673011320	-	2 kg
5673011310	-	2 kg
5673010000	Basic valve without coil	1,95 kg

Nominal flow Q_n at 6 bar and Δp = 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.

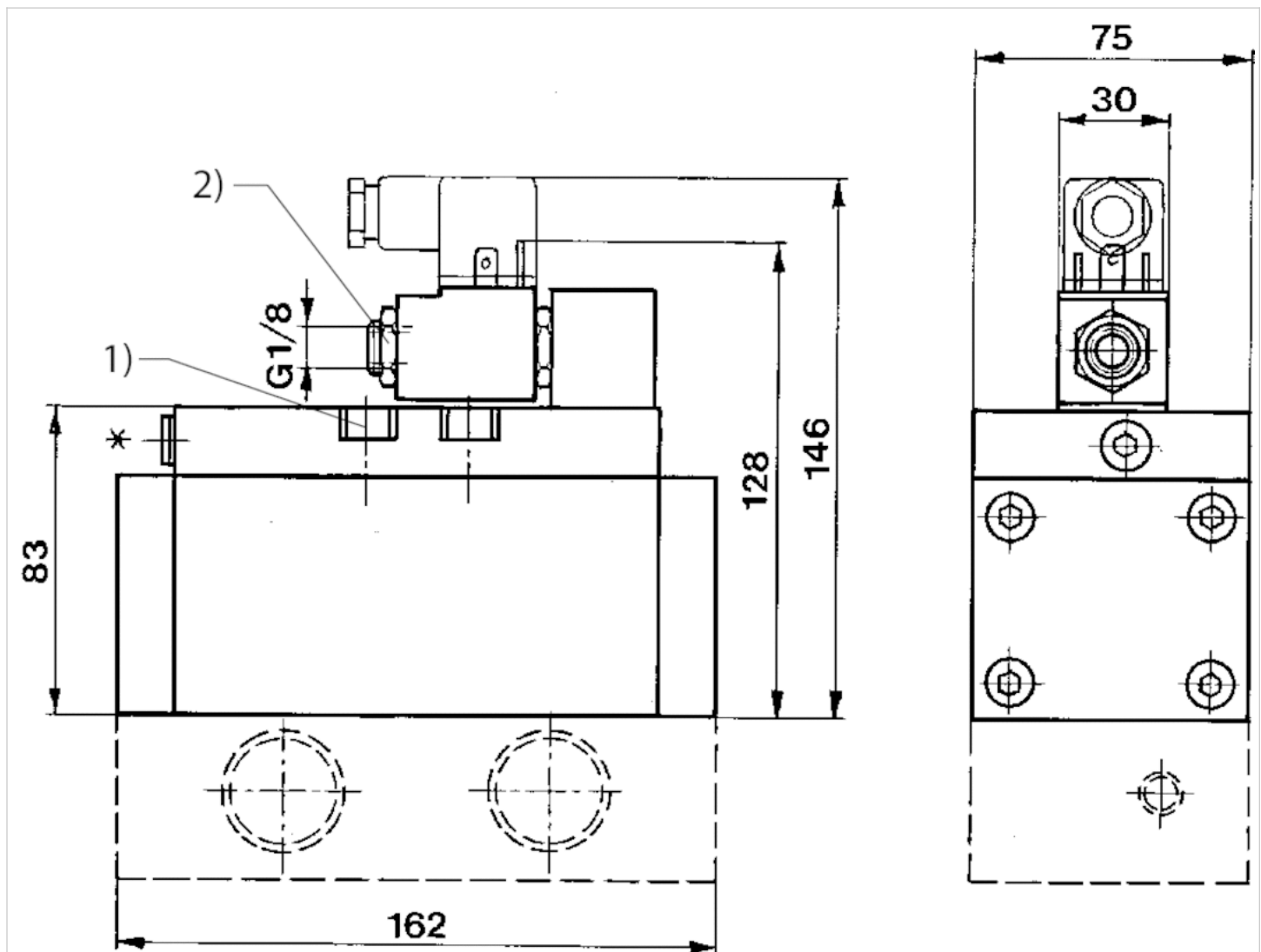
The size of the compressed air connection output for series 563, 565, 567 can vary due to optional use of the base plate. The base plate can be found under "Mechanical accessories".

Technical information

Material	
Housing	Aluminum
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



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

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

Base plate not included in the scope of delivery

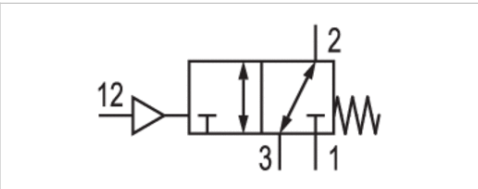
* Plugged port G 1/8 for external pilot

3/2-directional valve, Series 563

- Qn = 1350 l/min
- Compressed air connection output G 1/4
- Plate connection



Version	Poppet valve
Activation	Pneumatically
Flow rate value Qn	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/m³
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	-
5632510000	3,5 ... 10 bar	-20 ... 120 °C	-20 ... 120 °C	1)

Nominal flow Qn at 6 bar and Δp = 1 bar

1) Seal: Fluorocaoutchouc

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.

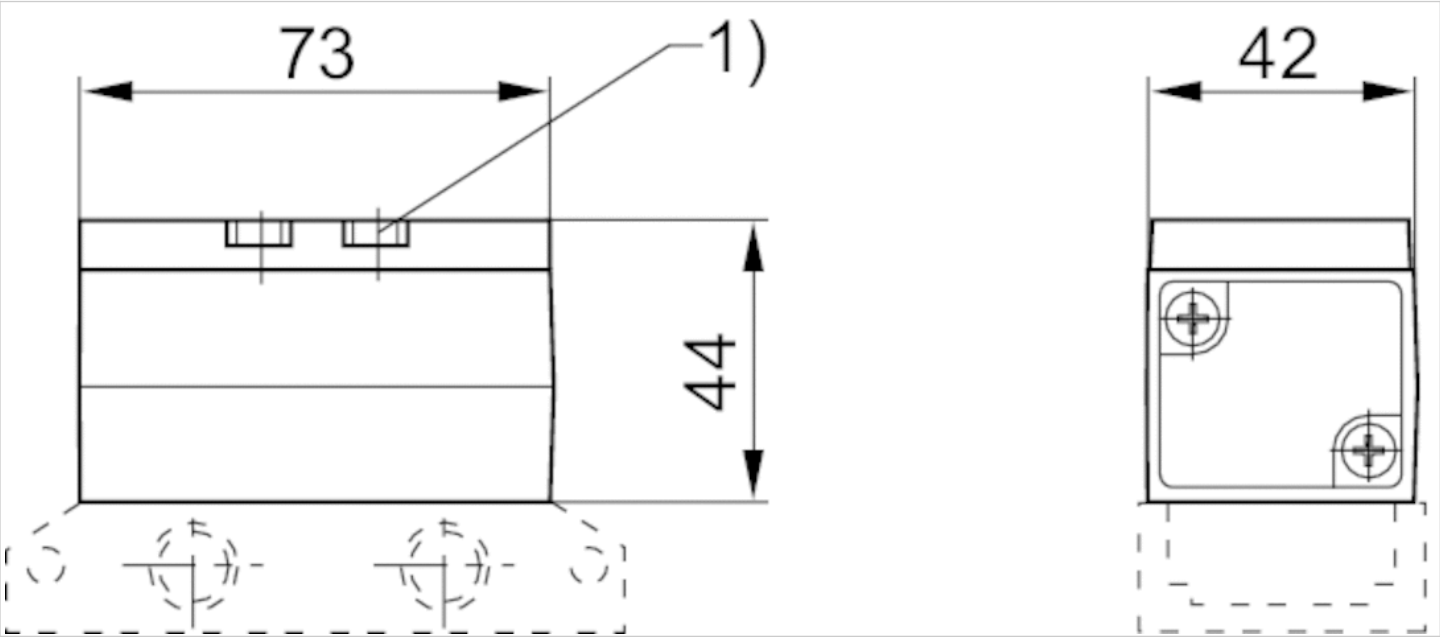
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Housing	Aluminum
Seals	Acrylonitrile butadiene styrene, Fluorocaoutchouc

Dimensions

Dimensions



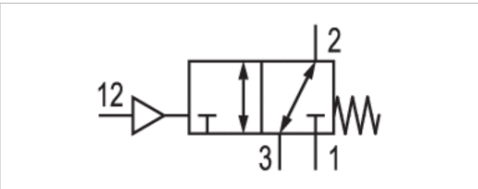
1) Tightening torque for mounting screws: 2.7 ± 0.3 Nm
 Base plate not included in the scope of delivery

3/2-directional valve, Series 565

- Qn = 4240 l/min
- Compressed air connection output G 1/2
- Plate connection



Version	Poppet valve
Activation	Pneumatically
Flow rate value Qn	4240 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/m³
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.	Ambient temperature min./max.	Medium temperature min./max.	
5652010000	3,5 ... 10 bar	-20 ... 70 °C	-20 ... 70 °C	-
5652310000	5,5 ... 10 bar	-20 ... 70 °C	-20 ... 70 °C	-
5652510000	3,5 ... 10 bar	-20 ... 120 °C	-20 ... 120 °C	1)

Nominal flow Qn at 6 bar and Δp = 1 bar

1) Seal: Fluorocaoutchouc

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.

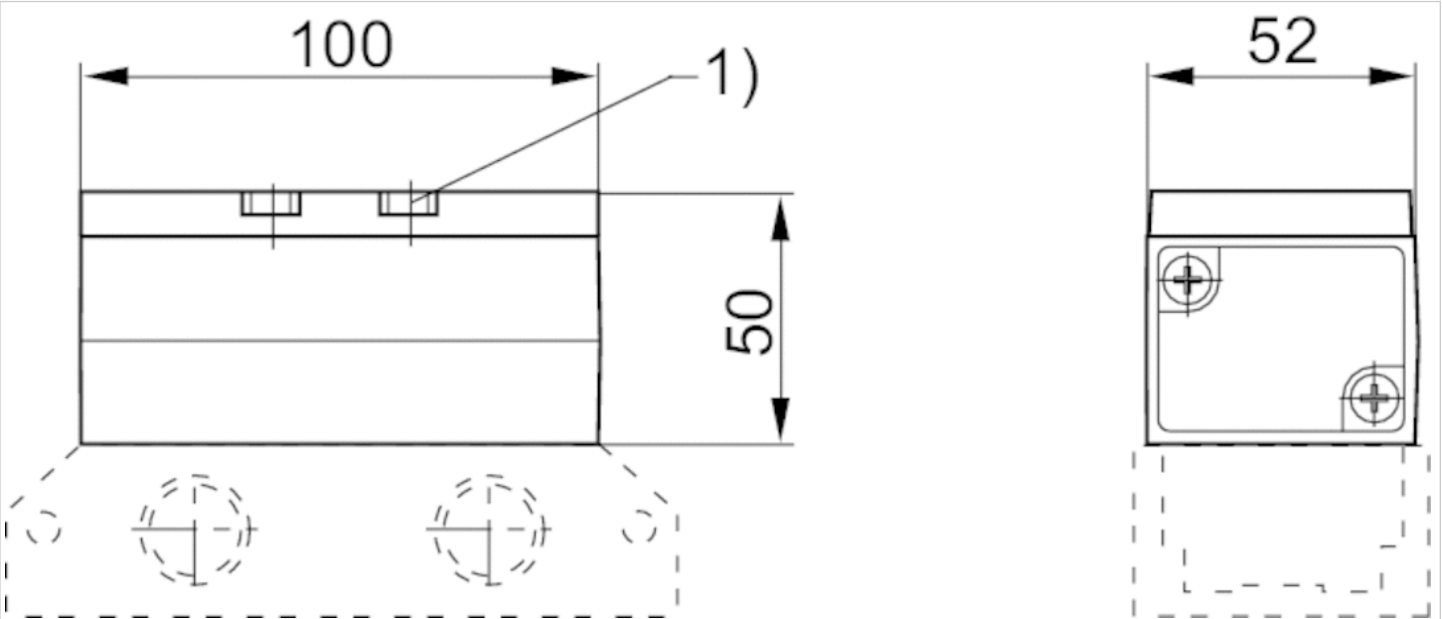
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Housing	Aluminum
Seals	Acrylonitrile butadiene styrene, Fluorocaoutchouc

Dimensions

Dimensions



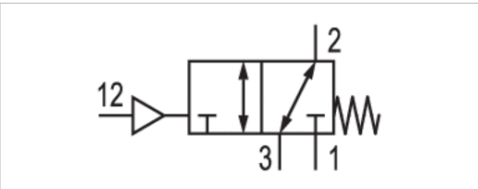
1) Tightening torque for mounting screws: 5.5 ± 0.5 Nm
 Base plate not included in the scope of delivery

3/2-directional valve, Series 567

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



Version	Poppet valve
Activation	Pneumatically
Flow rate value Qn	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/m³
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	-
5672510000	3,5 ... 10 bar	-20 ... 120 °C	-20 ... 120 °C	1)

Nominal flow Qn at 6 bar and Δp = 1 bar

1) Seal: Fluorocaoutchouc

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	Aluminum
Seals	Acrylonitrile butadiene styrene, Fluorocaoutchouc

Fig. 2

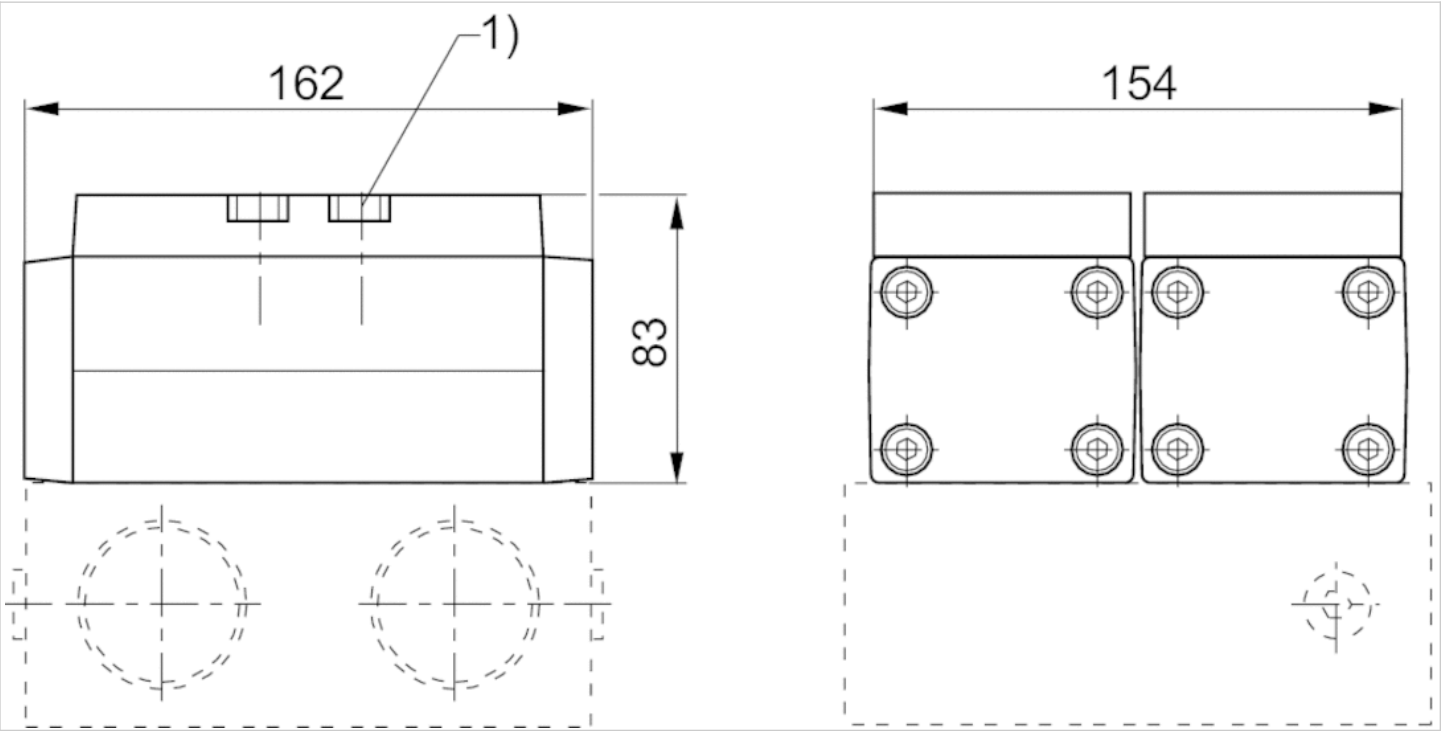
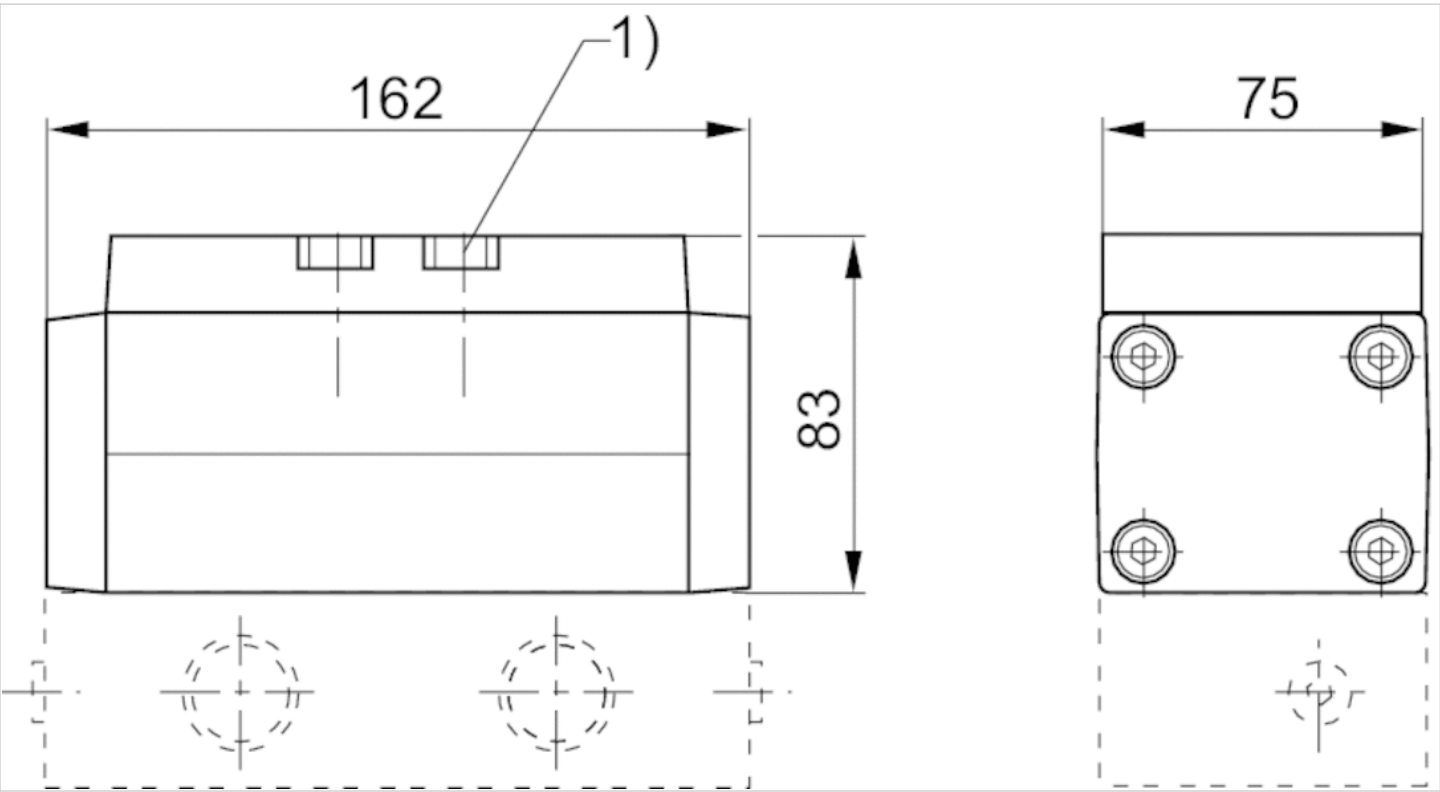


Fig. 1: valve 567, G1Fig. 2: 2 x valve 567, G 1 1/2. Two parallel 567 valves on subbase 568-442.
 1) Tightening torque for mounting screws: 22 ± 2 Nm
 Base plate not included in the scope of delivery

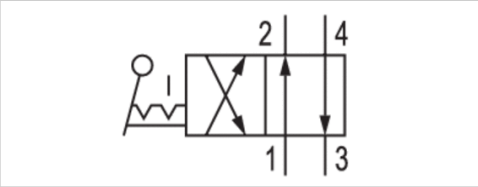
Dimensions

Fig. 1



4/2-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	4/2
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.	Compressed air connection	
	Input	Output
5630180100	G 1/8	G 1/8

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

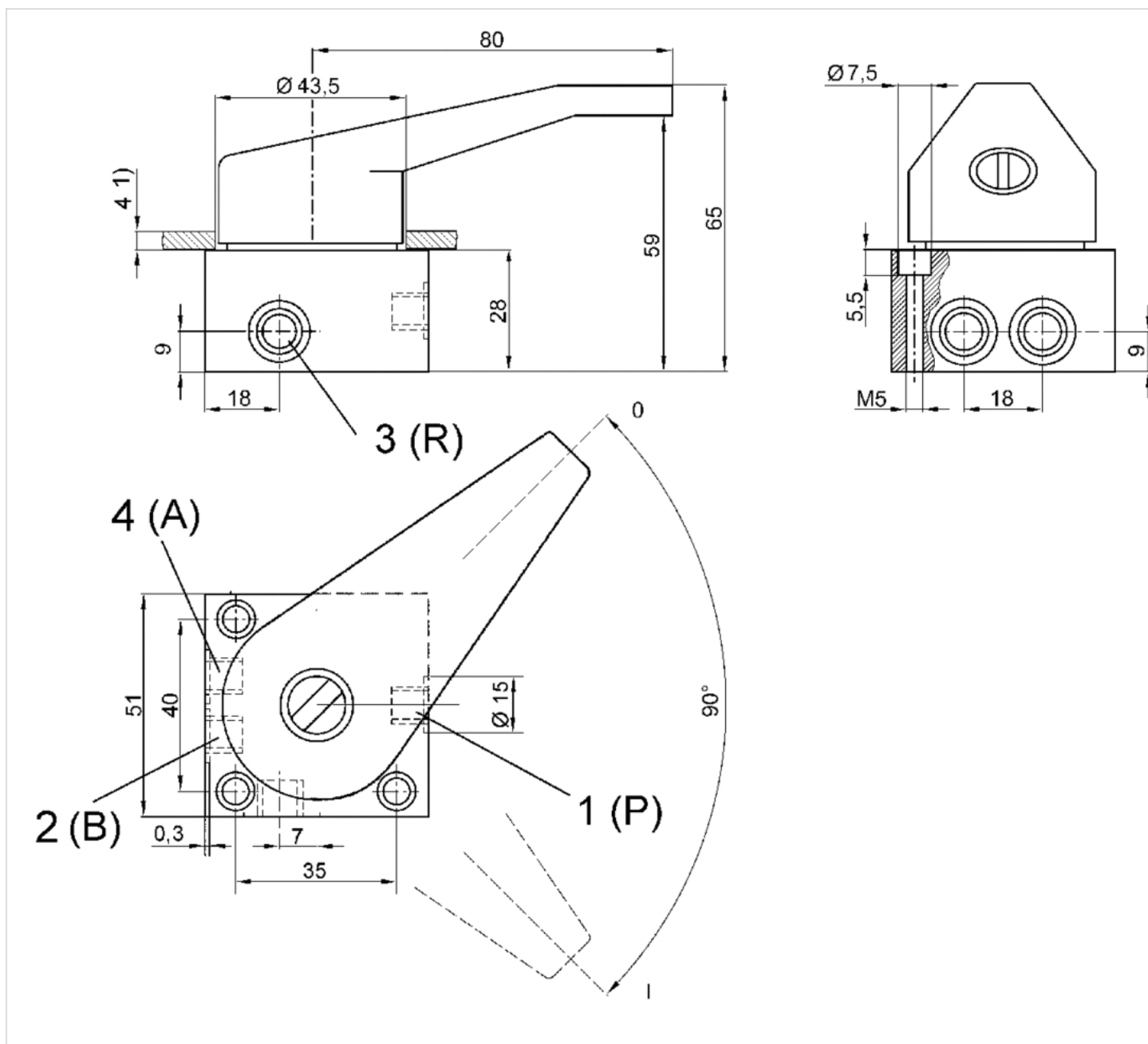
Nominal flow Qn at 6 bar and Δp = 1 bar

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
			Input
5630181100		exhausted center	G 1/8
5630182100		closed center	G 1/8

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

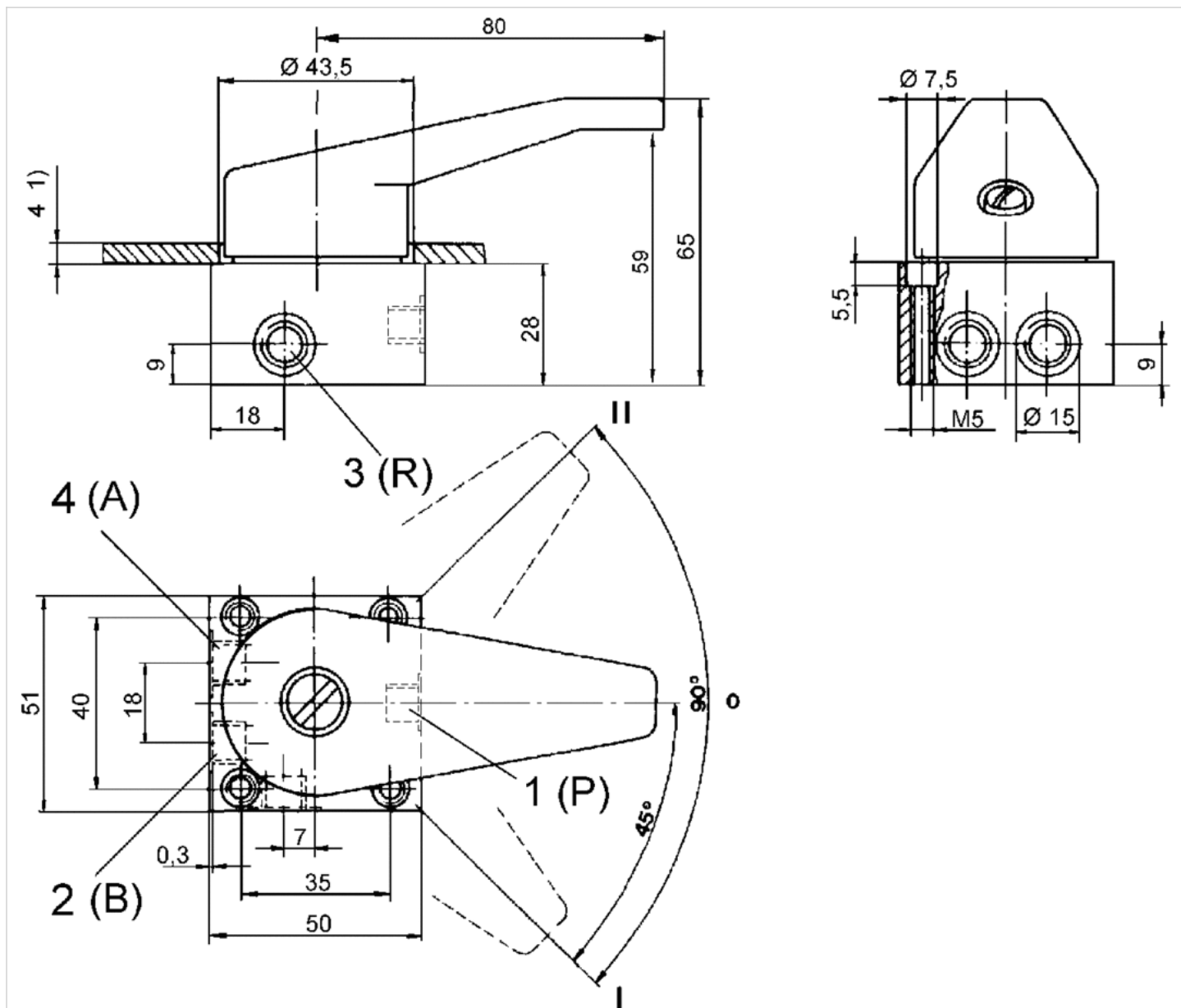
Nominal flow Qn at 6 bar and $\Delta p = 1$ bar

Technical information

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

Dimensions

Dimensions

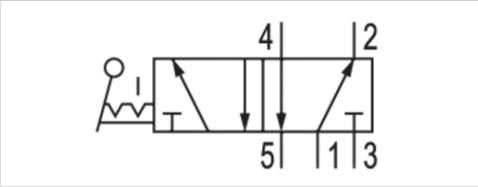


1) Max.

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

- 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	5/2
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.	Compressed air connection	
	Input	Output
5631310100	G 1/4	G 1/4

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

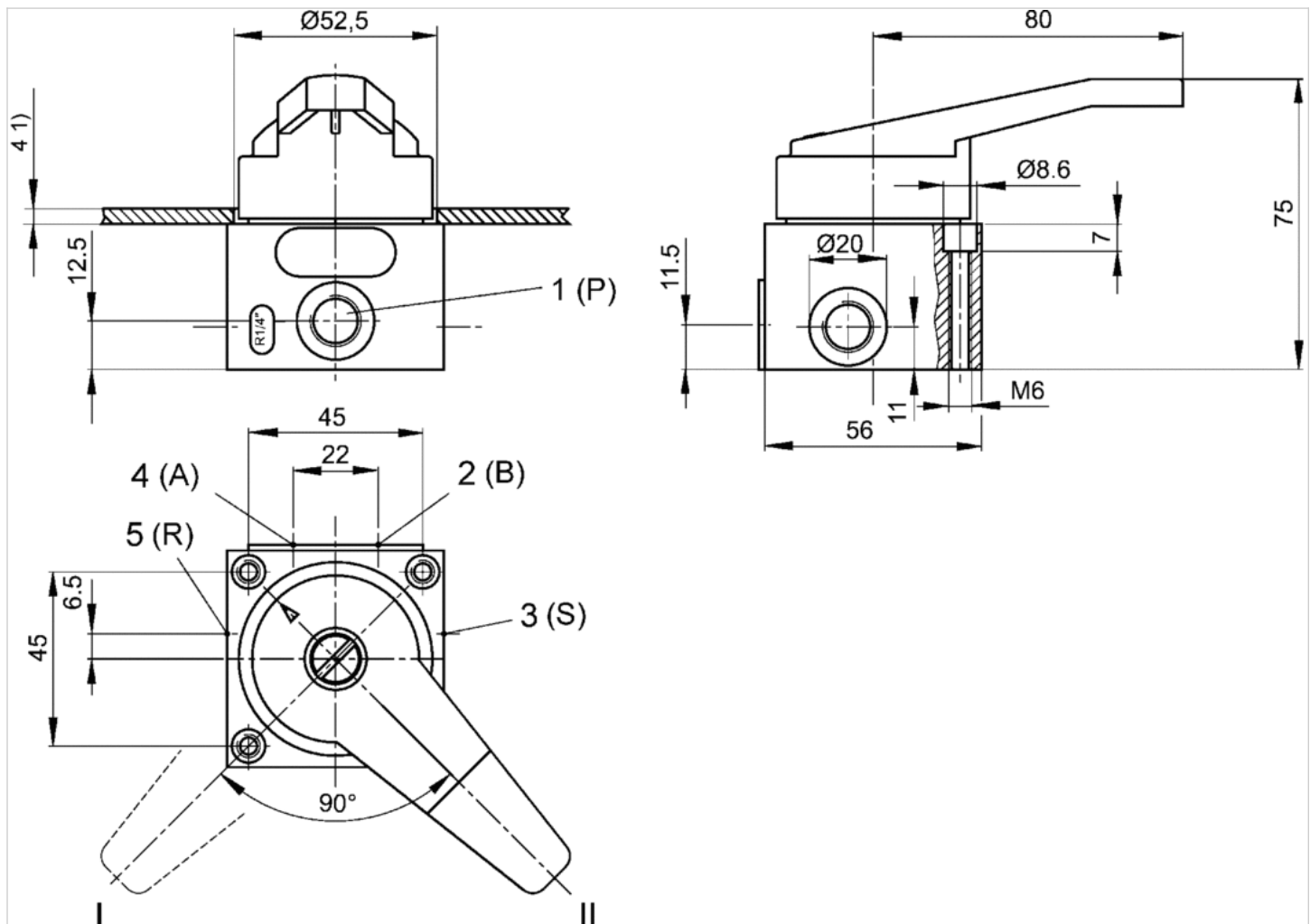
Nominal flow Qn at 6 bar and Δp = 1 bar

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
			Input
5631311100		exhausted center	G 1/4
5631312100		closed center	G 1/4

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

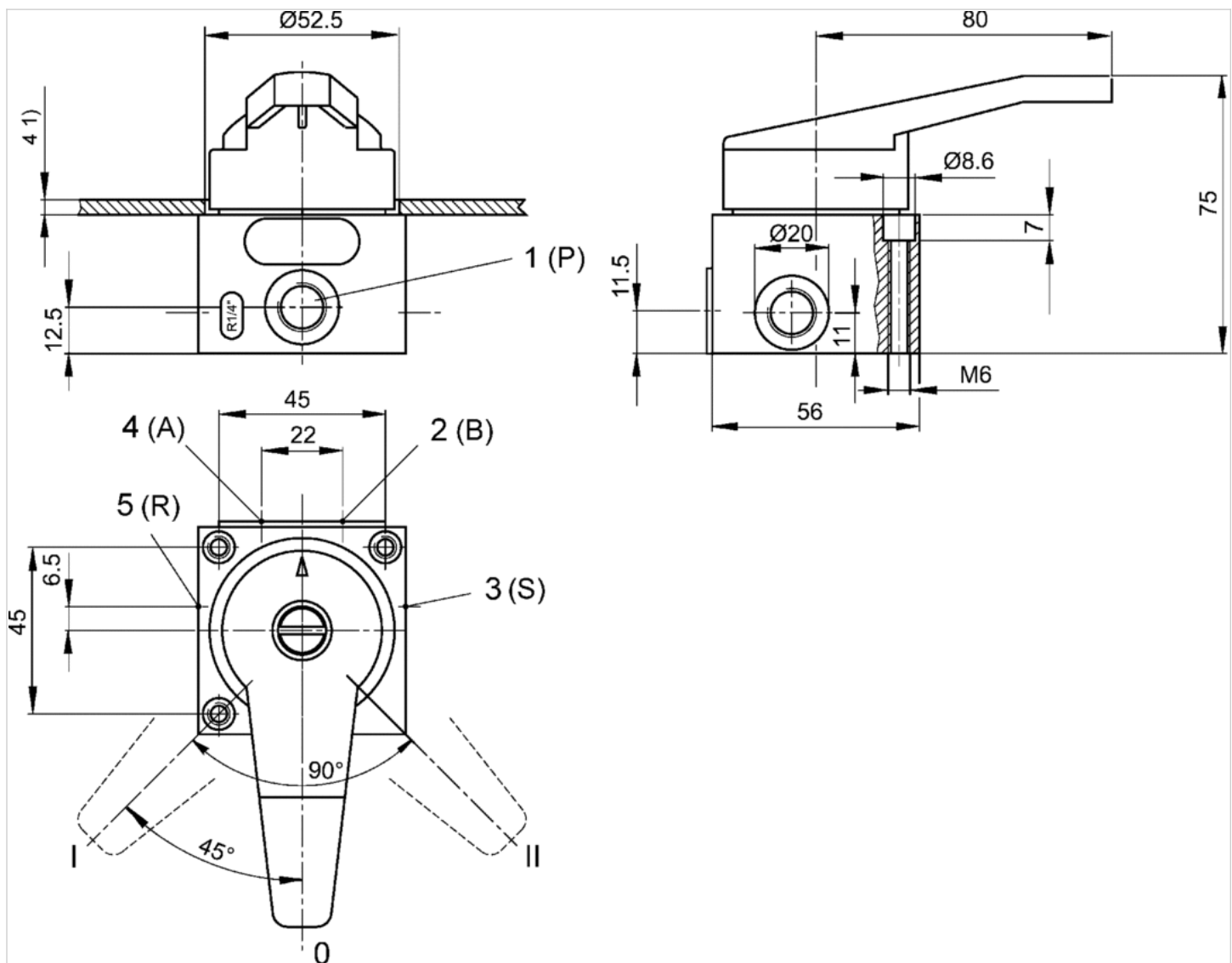
Nominal flow Qn at 6 bar and Δp = 1 bar

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



Connection type	Screws
Ambient temperature min./max.	-40 ... 90 °C
Operationalvoltage	See table below
Protection class	IP65
Mounting screw tightening torque	0,4 Nm
Weight	See table below

Technical data

Part No.		Operationalvoltage	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

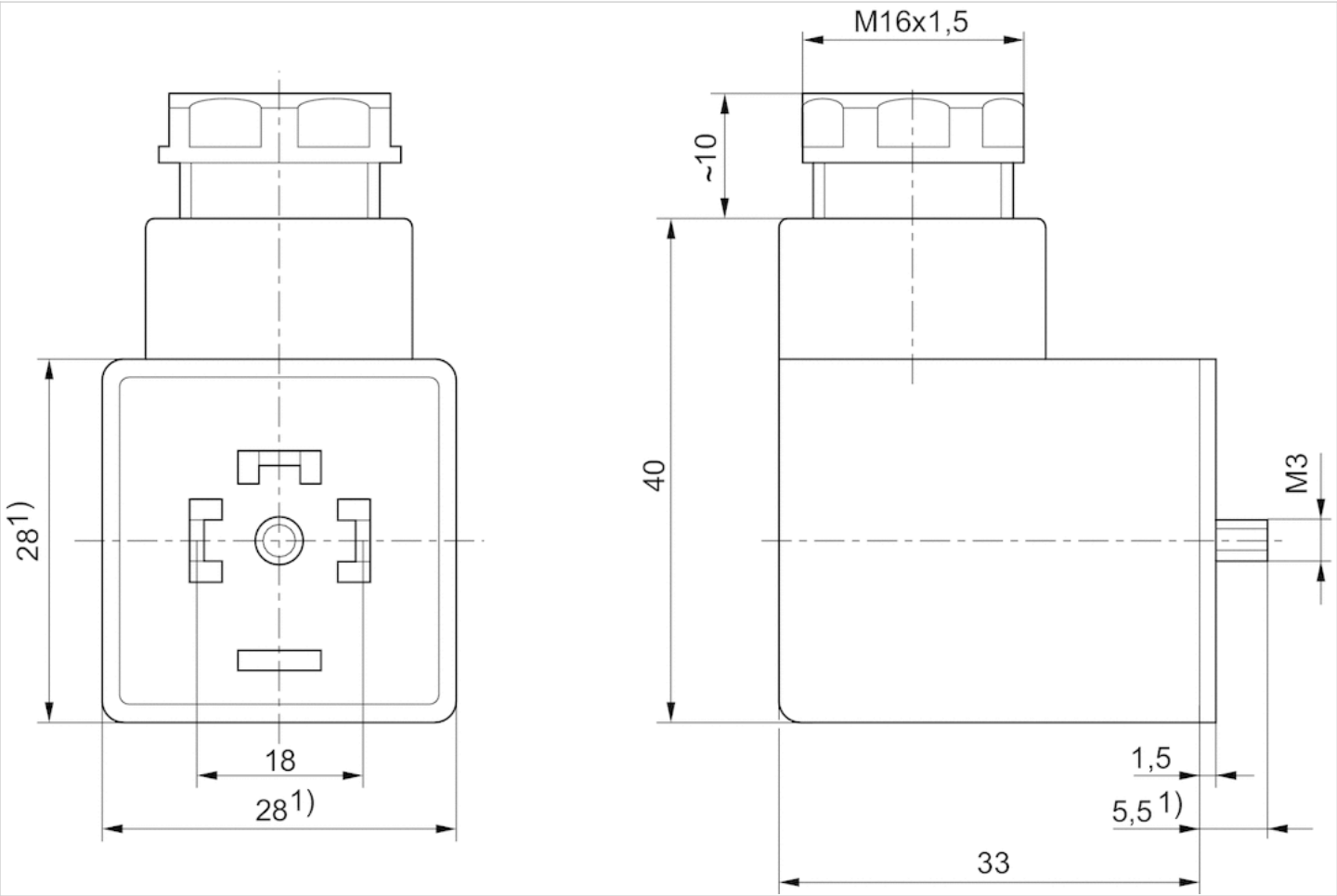
The specified protection class is only valid in assembled and tested state.

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
Operationalvoltage	See table below
Protection class	IP67
Wire cross-section	0,75 mm²
Mounting screw tightening torque	0,4 Nm
Weight	See table below

Technical data

Part No.		Operationalvoltage	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

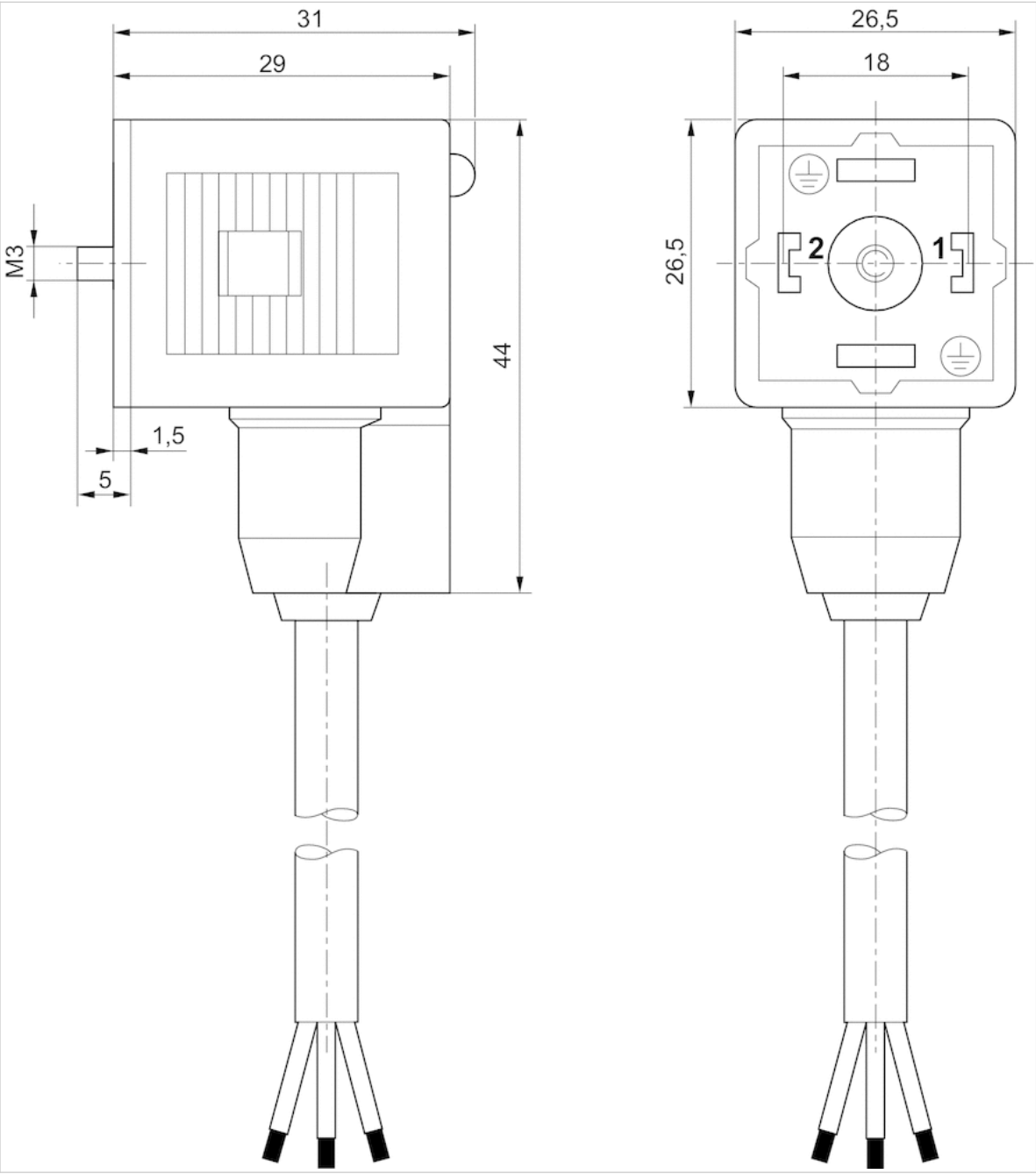
Technical information

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

Technical information

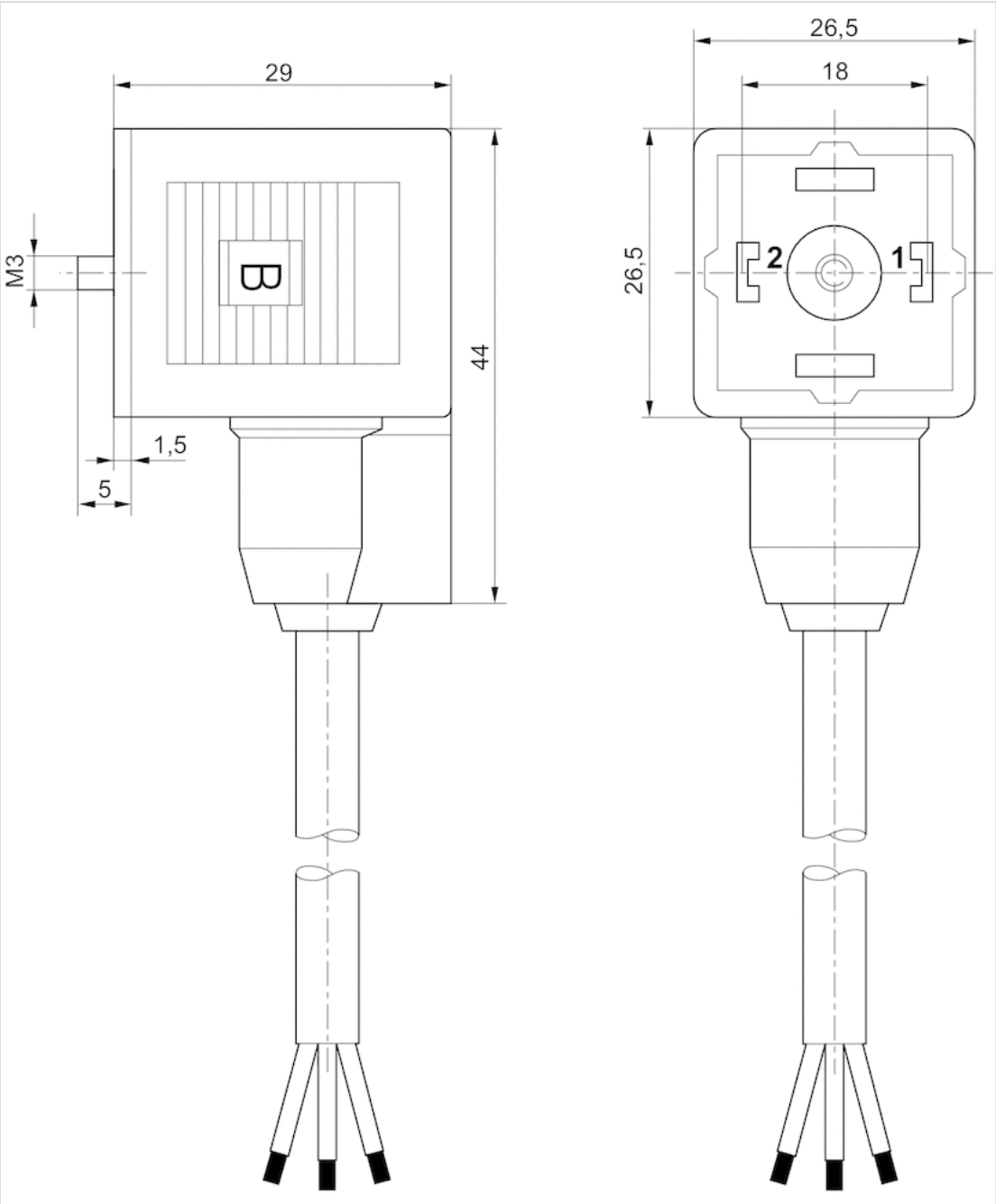
Material	
Seals	caoutchouc/butadiene caoutchouc
Cable sheath	Polyvinyl chloride

Fig. 2



Dimensions

Fig. 1



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		300 V, DC	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,

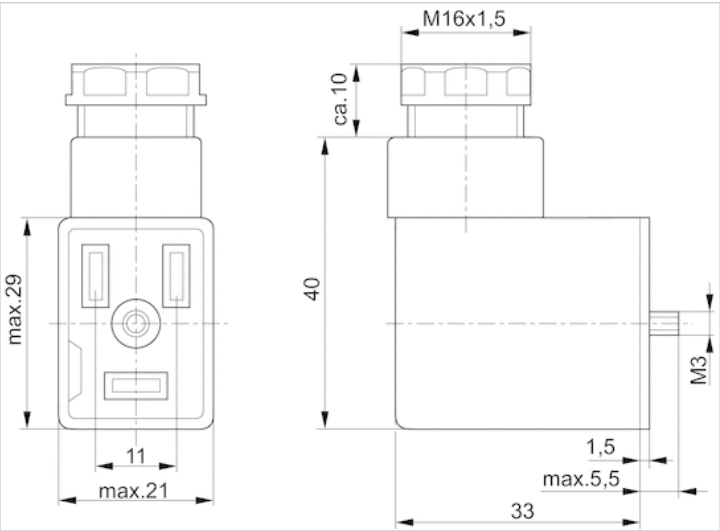
Technical information

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

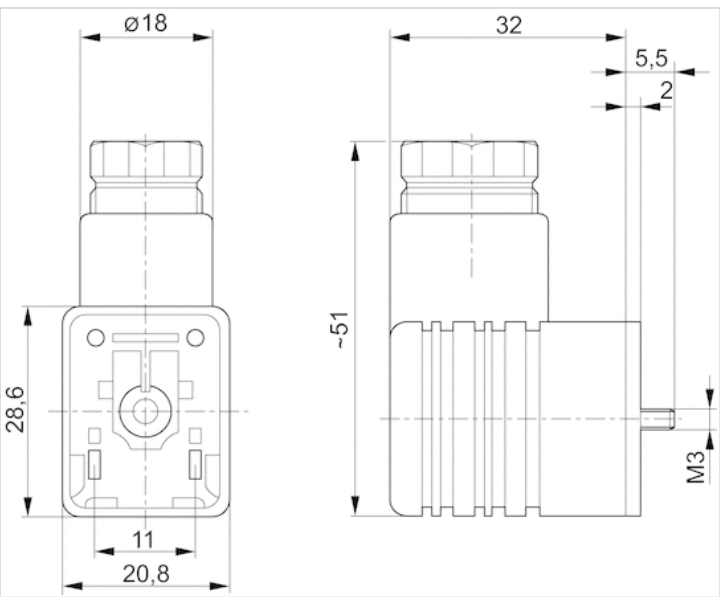
Material	
Seals	caoutchouc/butadiene caoutchouc, Silicone caoutchouc

Fig. 2



Dimensions

Fig. 1



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

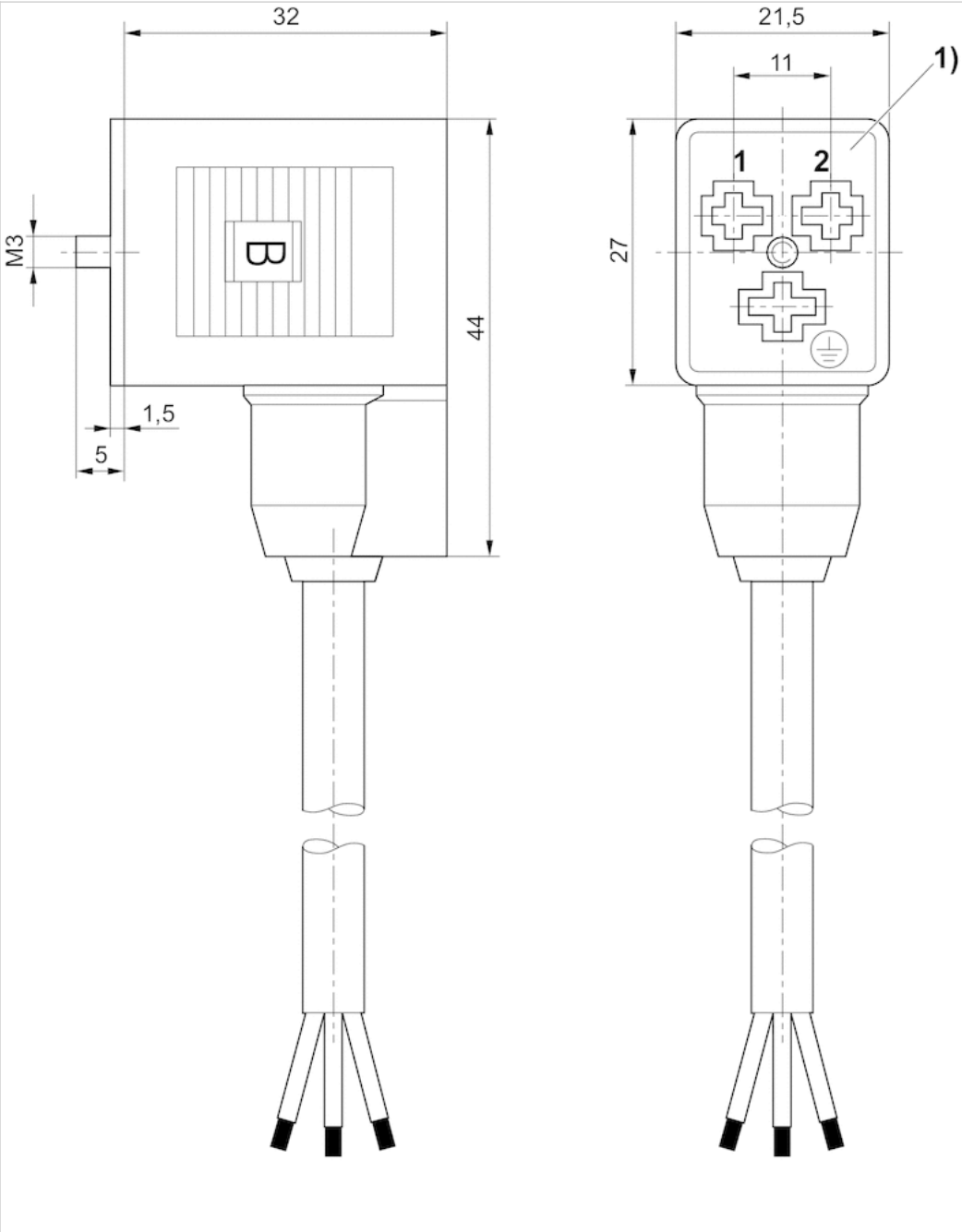
For security reasons, the valve plug connector must be plugged properly and centrally.
The specified protection class is only valid in assembled and tested state.

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	ISO 6952
electrical connections	Plug, Form B, industry
Ambient temperature min./max.	50 °C
Protection class,With valve plug connector/plug	IP65
Duty cycle ED	100 %
Weight	See table below

Technical data

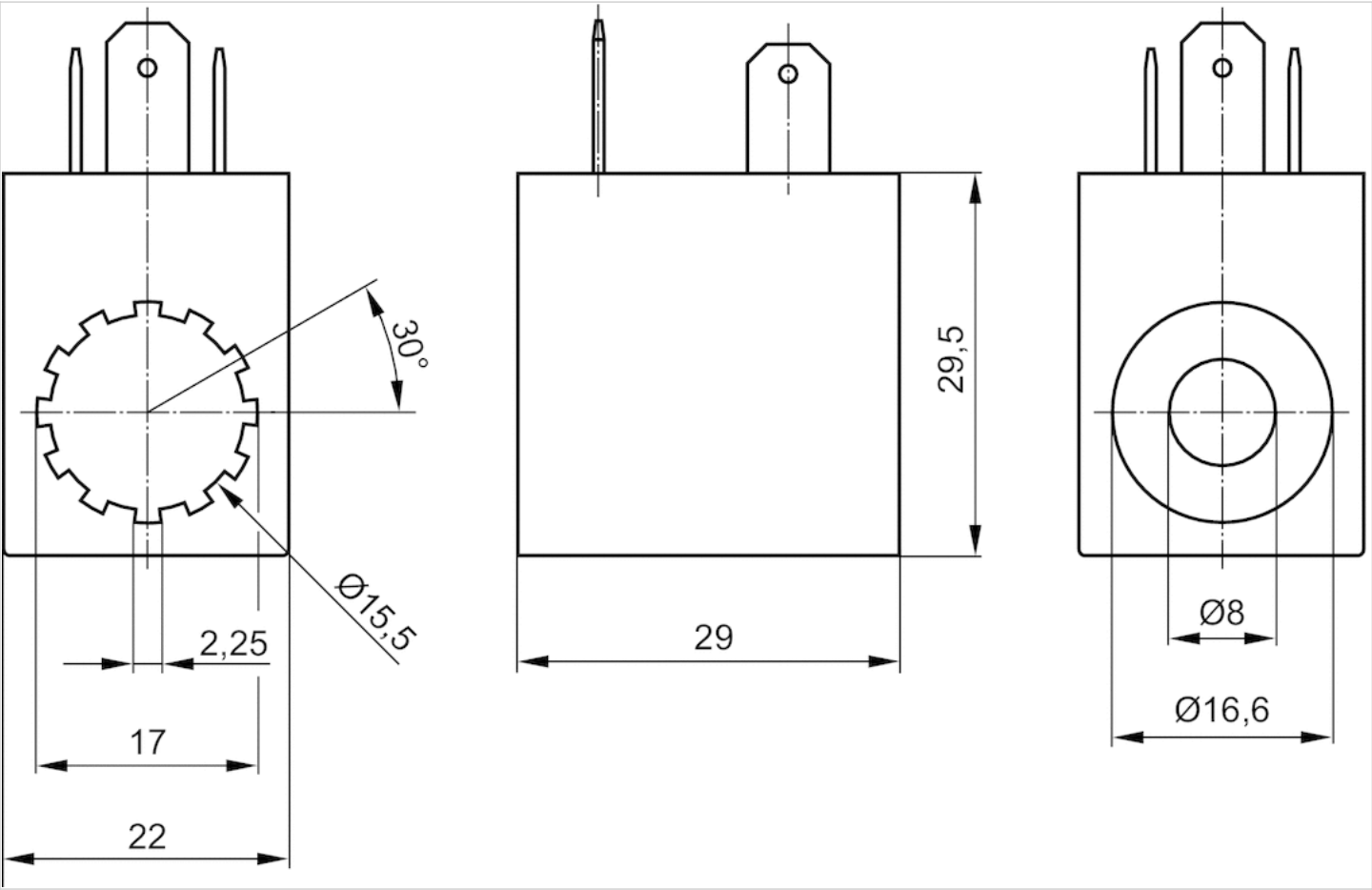
Part No.	Operationalvoltage	Operationalvoltage	Voltage tolerance	Voltage tolerance
	DC	AC 50 Hz	DC	AC 50 Hz
0498317405	12 V	-	-	-
0498317502	24 V	-	-10% / +10%	-
0498318800	24 V	-	-10% / +10%	-
0498317618	48 V	-	-	-
0498317707	110 V	-	-10% / +10%	-
0498317804	220 V	-	-10% / +10%	-
0498316905	-	24 V	-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

Part No.	Power consumption	Holding power	Switch-on power	Weight	
	DC	AC 50 Hz	AC 50 Hz		
0498317405	5 W	-	-	0,054 kg	-
0498317502	5 W	-	-	0,051 kg	-
0498318800	2 W	-	-	0,051 kg	1)
0498317618	5 W	-	-	0,054 kg	-
0498317707	5 W	-	-	0,054 kg	-
0498317804	5 W	-	-	0,054 kg	-
0498316905	-	8 VA	10 VA	0,054 kg	-
0498317006	-	8 VA	10 VA	0,054 kg	-
0498317103	-	8 VA	10 VA	0,051 kg	-
0498322506	-	8 VA	10 VA	0,054 kg	-

1) Low power consumption

Dimensions

Dimensions



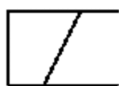
Coil, Series CO1

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



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

EN 175301-803, form A
Plug, 3-pin
-20 ... 50 °C
IP65
100 %



Technical data

Part No.	Operationalvoltage	Operationalvoltage	Operationalvoltage	Voltage tolerance
	DC	AC 50 Hz	AC 60 Hz	DC
0498320503	12 V	-	-	-10% / +10%
0498319718	24 V	-	-	-10% / +10%
0498320406	48 V	-	-	-10% / +10%
0498320309	110 V	-	-	-10% / +10%
0498320201	220 V	-	-	-10% / +10%
0498319807	-	24 V	24 V	-
0498319904	-	110 V	110 V	-
0498322409	-	230 V	230 V	-

Part No.	Voltage tolerance	Voltage tolerance	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
0498320503	-	-	10 W	-
0498319718	-	-	10 W	-
0498320406	-	-	10 W	-
0498320309	-	-	10 W	-
0498320201	-	-	10 W	-
0498319807	-10% / +10%	-10% / +10%	-	17 VA
0498319904	-10% / +10%	-10% / +10%	-	17 VA
0498322409	-10% / +10%	-10% / +10%	-	17 VA

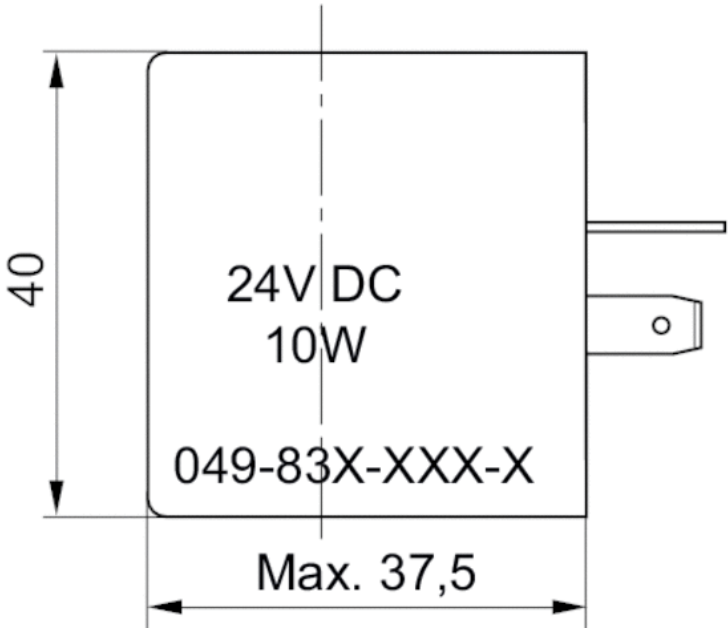
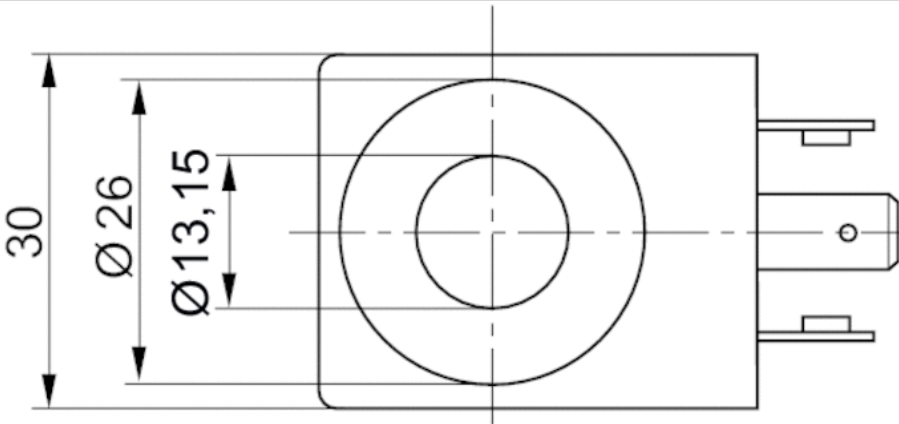
Part No.	Holding power	Switch-on power	Switch-on power
	AC 60 Hz	AC 50 Hz	AC 60 Hz
0498320503	-	-	-
0498319718	-	-	-
0498320406	-	-	-
0498320309	-	-	-
0498320201	-	-	-
0498319807	14,5 VA	30 VA	25 VA
0498319904	14,5 VA	30 VA	25 VA
0498322409	14,5 VA	30 VA	25 VA

Technical information

Material	
Housing	Thermoplastic elastomer

Dimensions

Dimensions



Silencers, series SI1

- Sintered bronze



Working pressure min./max.

0 ... 10 bar

Ambient temperature min./max.

-25 ... 80 °C

Medium

Compressed air

Sound pressure level

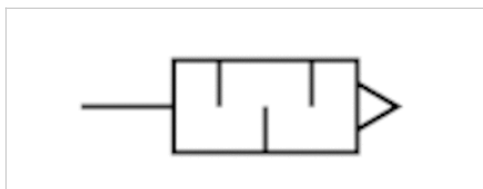
See table below

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
1827000002	G 3/8	84 dB	6554 l/min	5 piece	0,05 kg
1827000003	G 1/2	90 dB	7223 l/min	2 piece	0,08 kg

Weight per piece

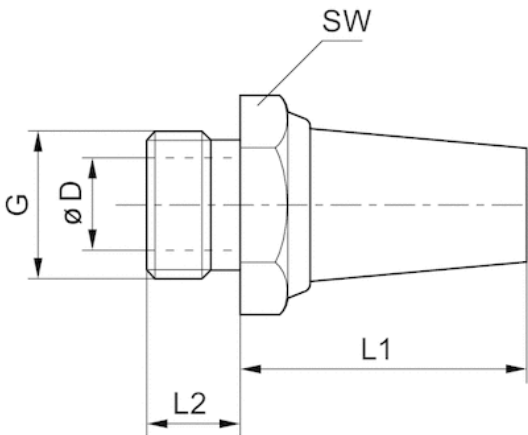
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

Technical information

Material	
Silencers	Sintered bronze
Thread	Brass

Dimensions

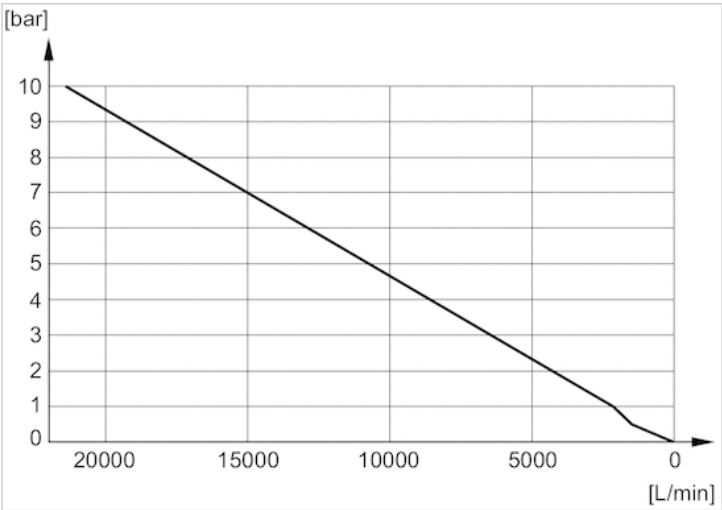
Dimensions



Dimensions

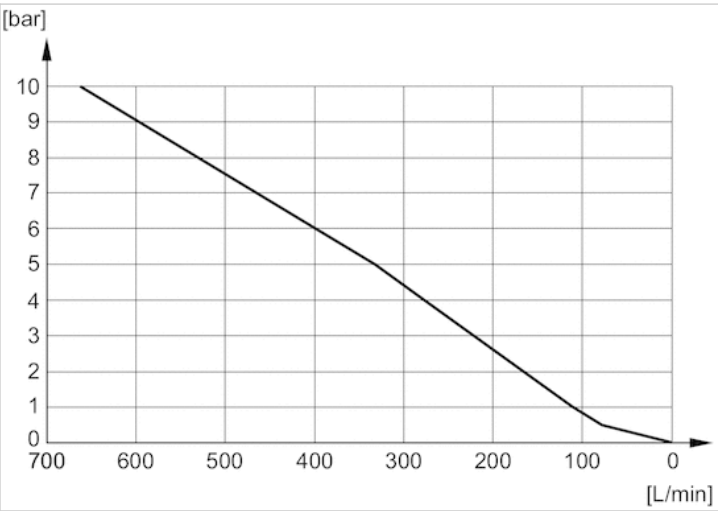
Part No.	Port G	SW	Ø D	L1	L2
R412004817	G 1/4	16	8.5	18.7	7.6
1827000001	G 1/4	17	8.5	25	8
1827000002	G 3/8	22	12	34	10
1827000003	G 1/2	27	14.5	44	12

Flow diagram 1827000005

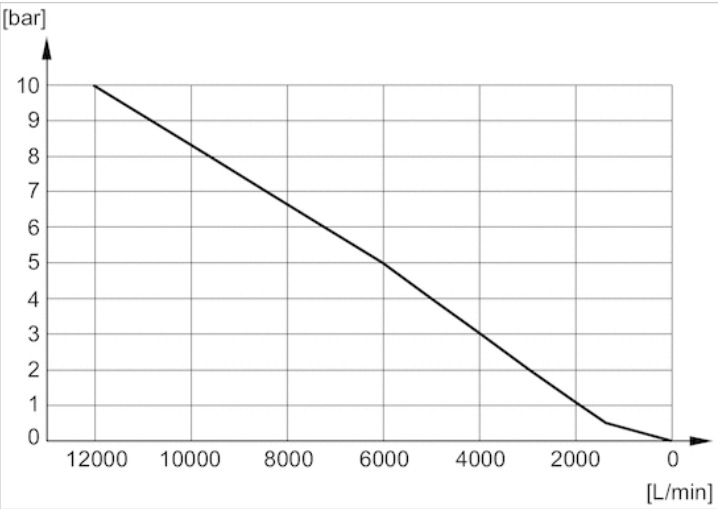


Diagrams

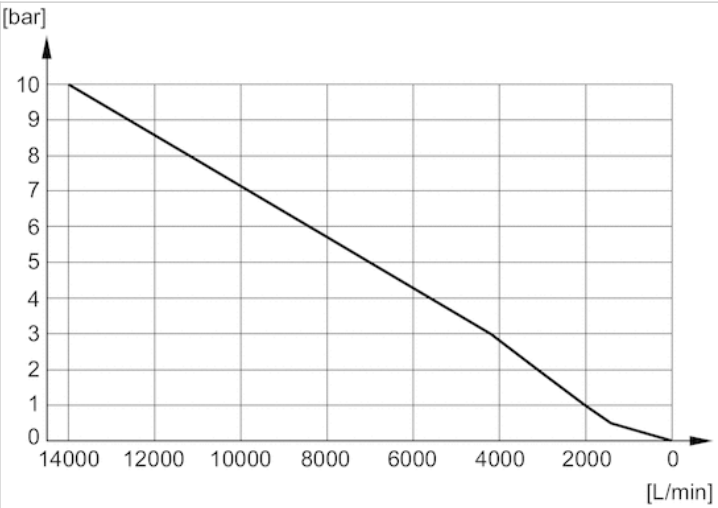
Flow diagram 1827000006



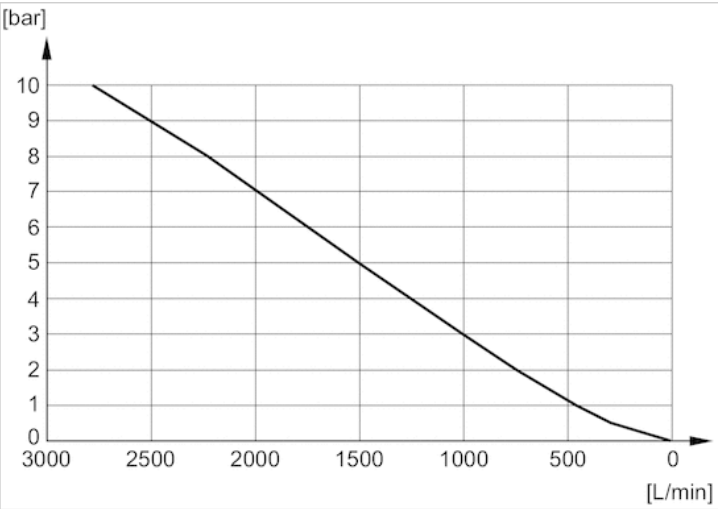
Flow diagram 1827000003



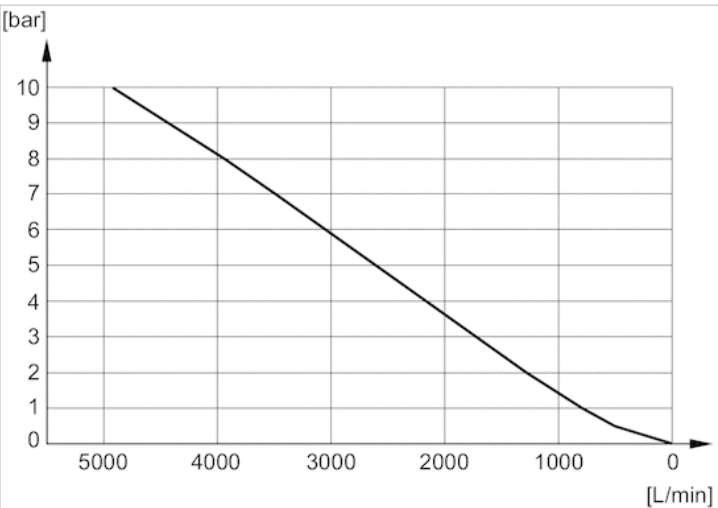
Flow diagram 1827000004



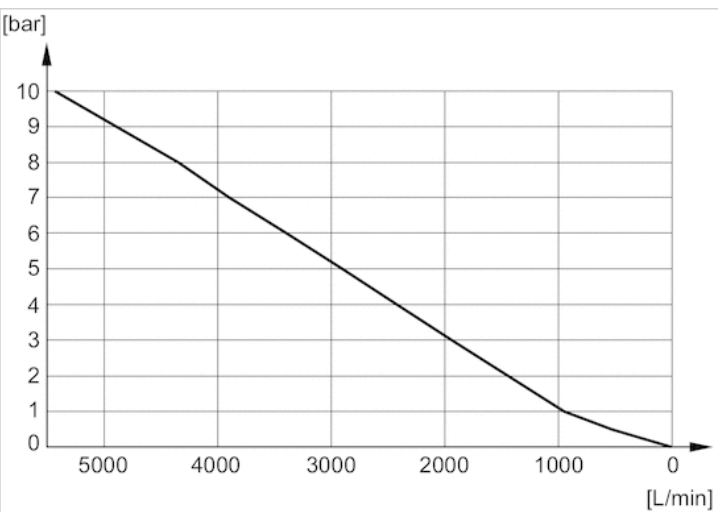
Flow diagram 5324001110



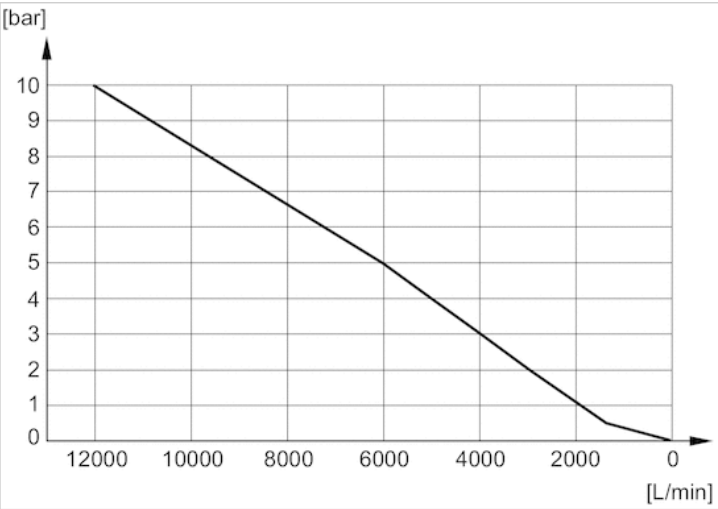
Flow diagram 5324001170



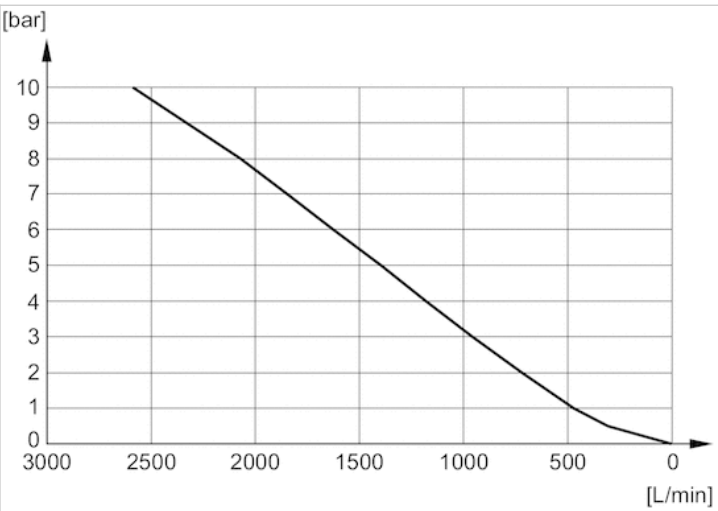
Flow diagram 5324001120



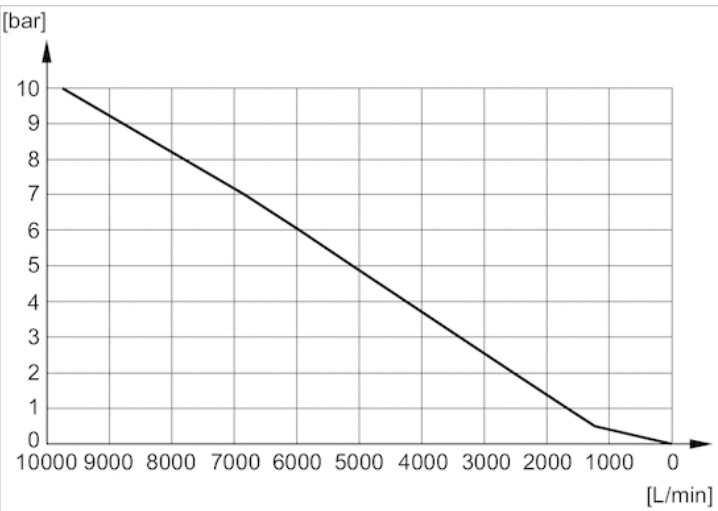
Flow diagram 5324001140



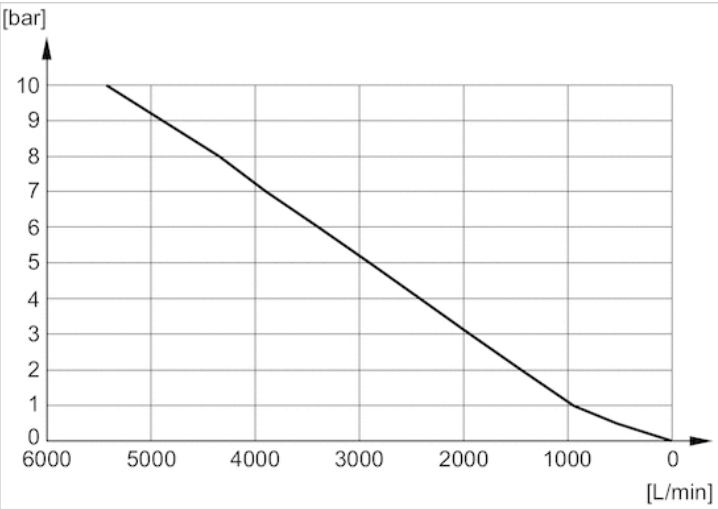
Flow diagram 1827000000



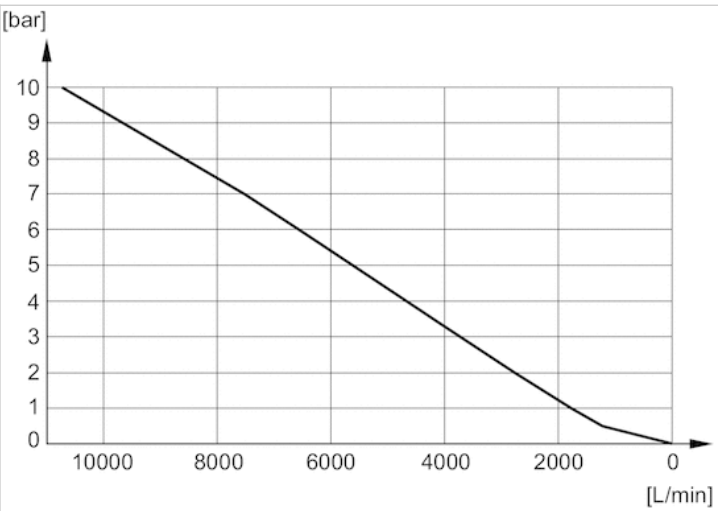
Flow diagram R412004817



Flow diagram 1827000001



Flow diagram 1827000002



Silencers, series SI1

- Sintered bronze



Working pressure min./max.

0 ... 10 bar

Ambient temperature min./max.

-25 ... 80 °C

Medium

Compressed air

Sound pressure level

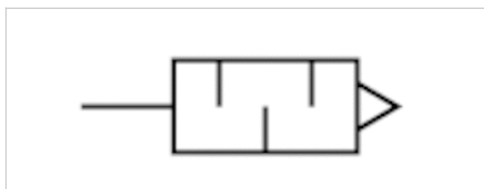
See table below

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

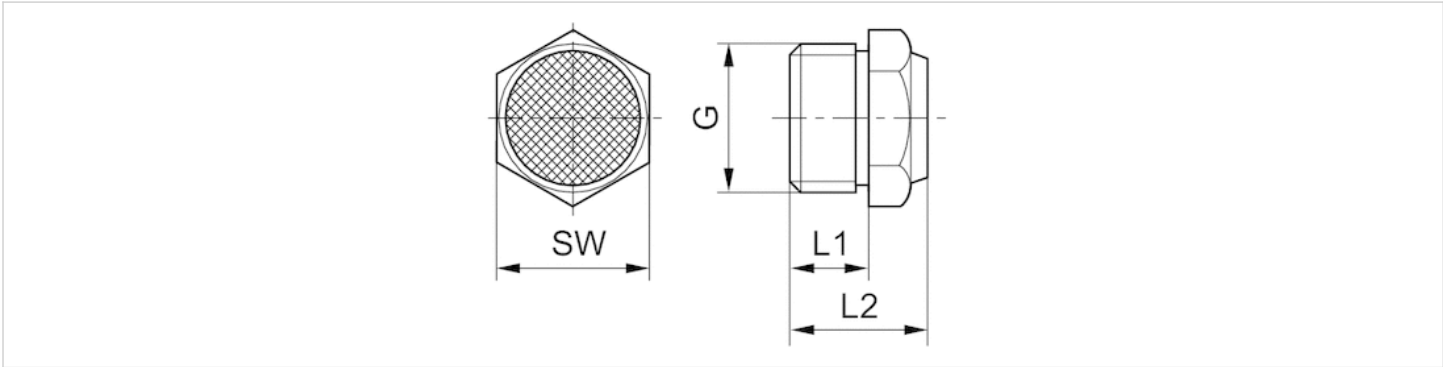
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

Technical information

Material	
Silencers	Sintered bronze
Thread	Brass

Dimensions

Dimensions

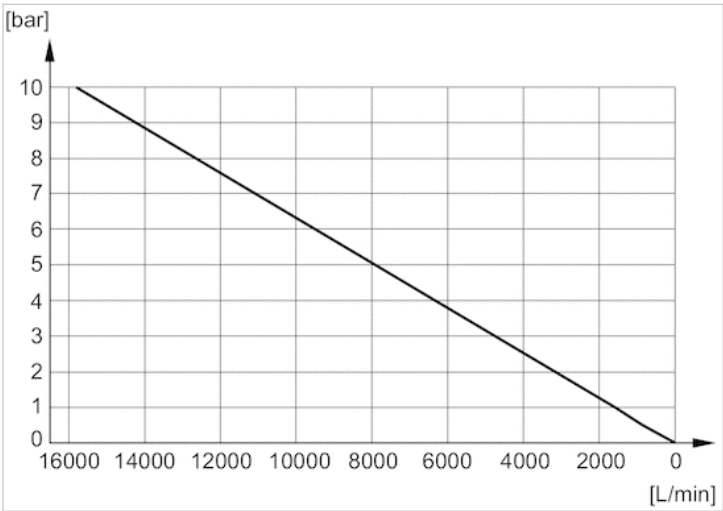


Dimensions

Part No.	Port G	L1	L2	SW
1827000033	G 1/4	8	13.5	17
1827000034	G 3/8	10	17.5	22
1827000035	G 1/2	12	19.5	27

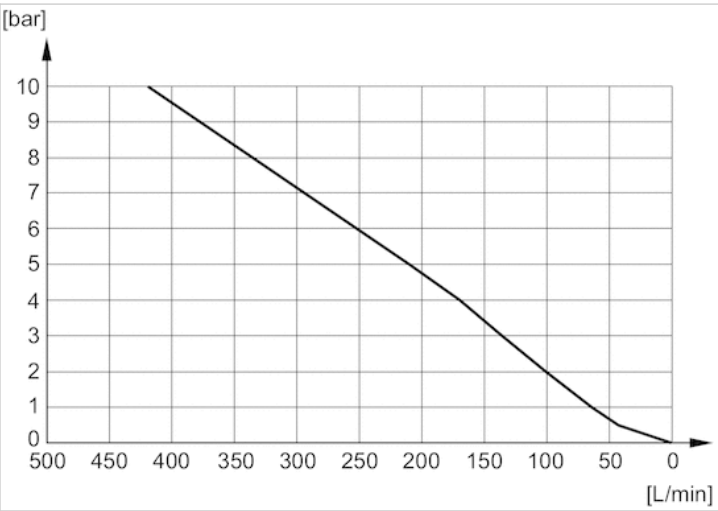
Sound pressure level measured at 6 bar at 1 m distance

Flow diagram 8145001000

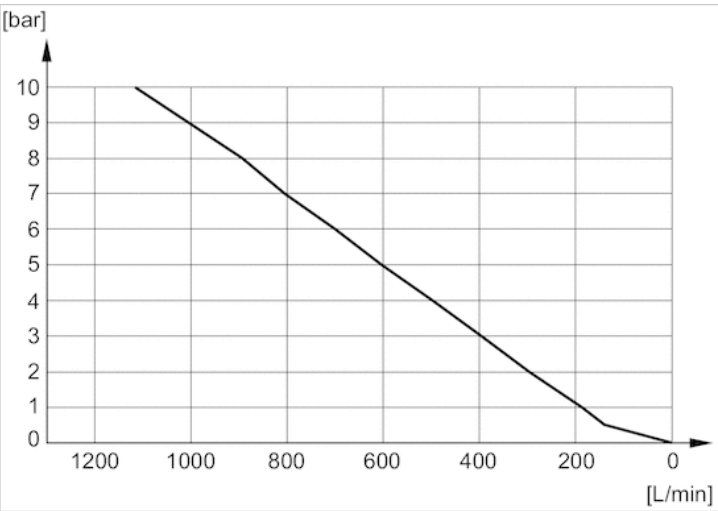


Diagrams

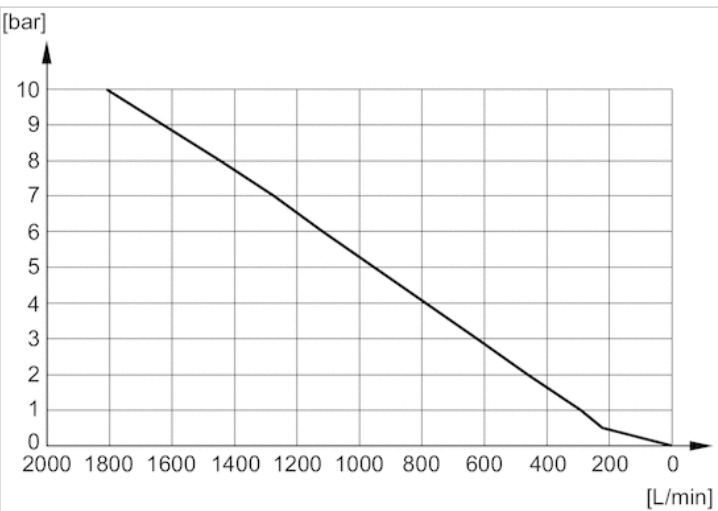
Flow diagram 1827000032



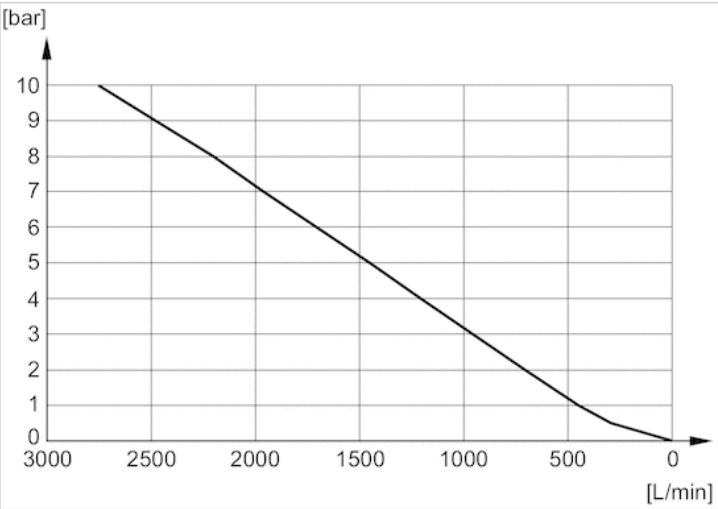
Flow diagram 1827000031



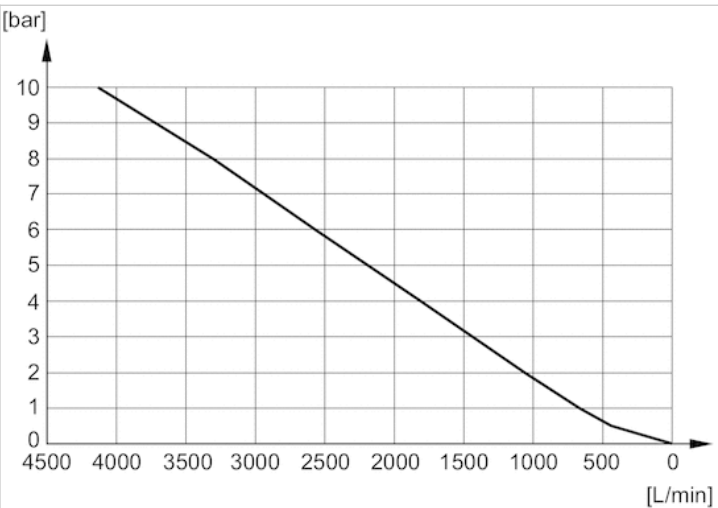
Flow diagram 1827000033



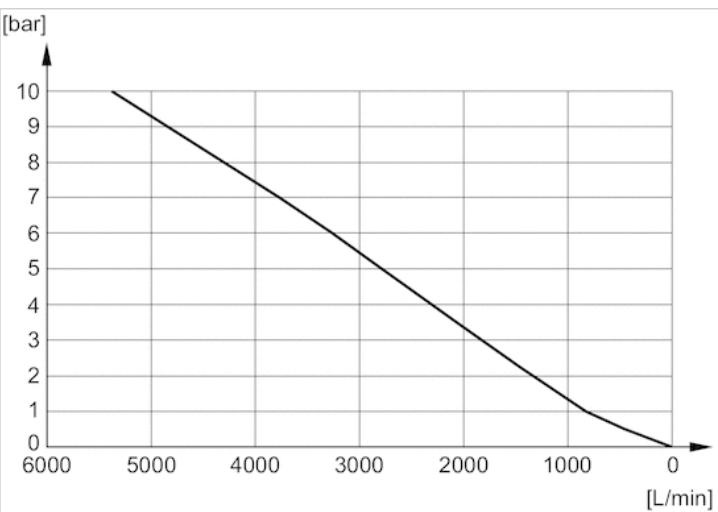
Flow diagram 1827000034



Flow diagram 1827000035



Flow diagram 8145003400



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

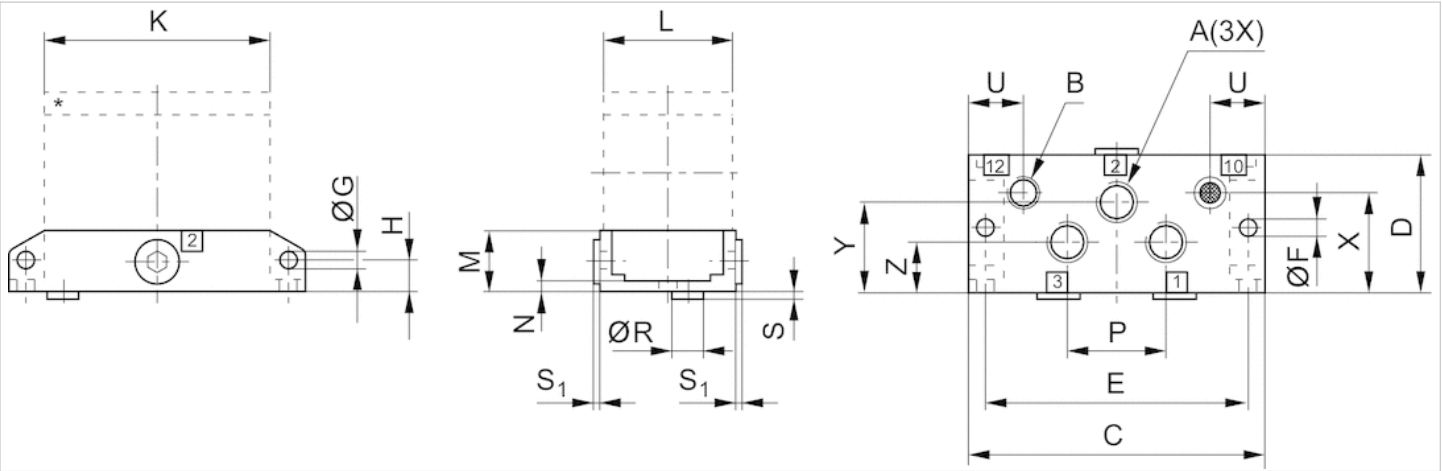
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
 The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
 The oil content of compressed air must remain constant during the life cycle.
 Use 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.	See table below
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)	On the side
Direction of pneumatic port (3,5)	On the side
Direction of pneumatic port (2,4)	On the side
Direction of pneumatic port (12)	On the side
Direction of pneumatic port (14)	On the side
Weight	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.

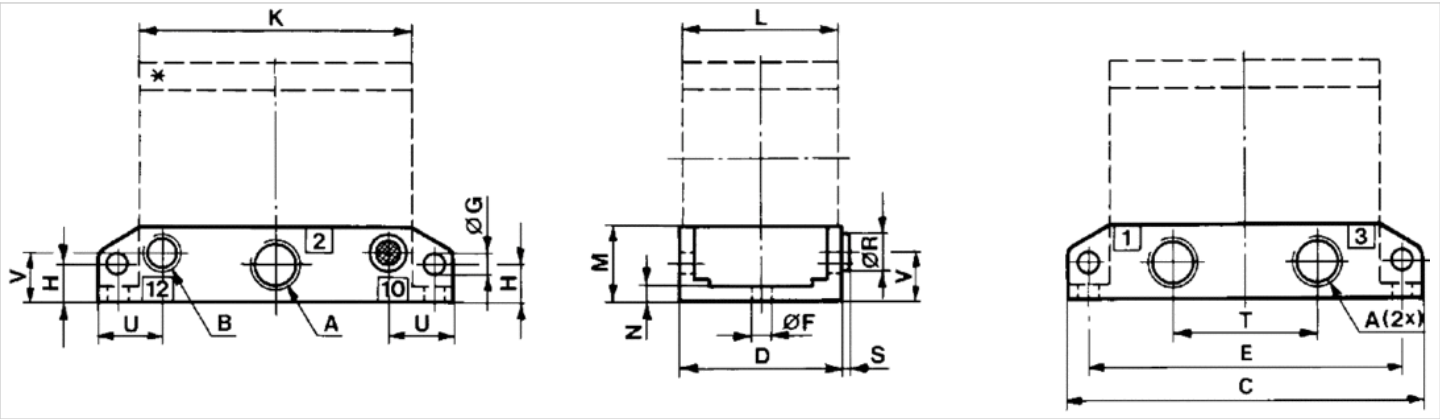
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

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

Dimensions

Fig. 1

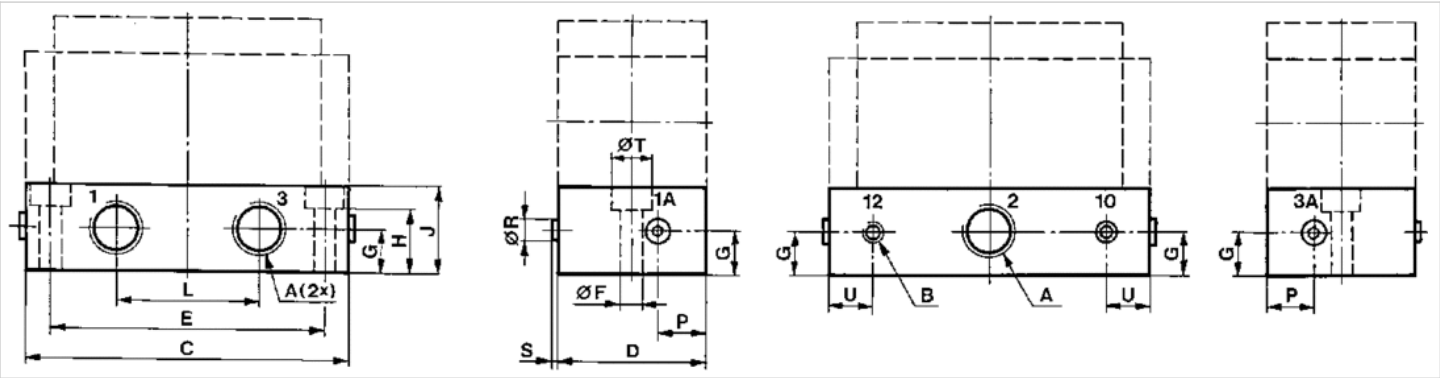


Dimensions

Part No.	A	B	C	D	E	F	G	H	K	L	M	N	R	S	T	U	V	Weight
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	0,13 kg
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	0,37 kg
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	0,32 kg
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,1 kg
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1 kg
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,7 kg

Dimensions

Fig. 2

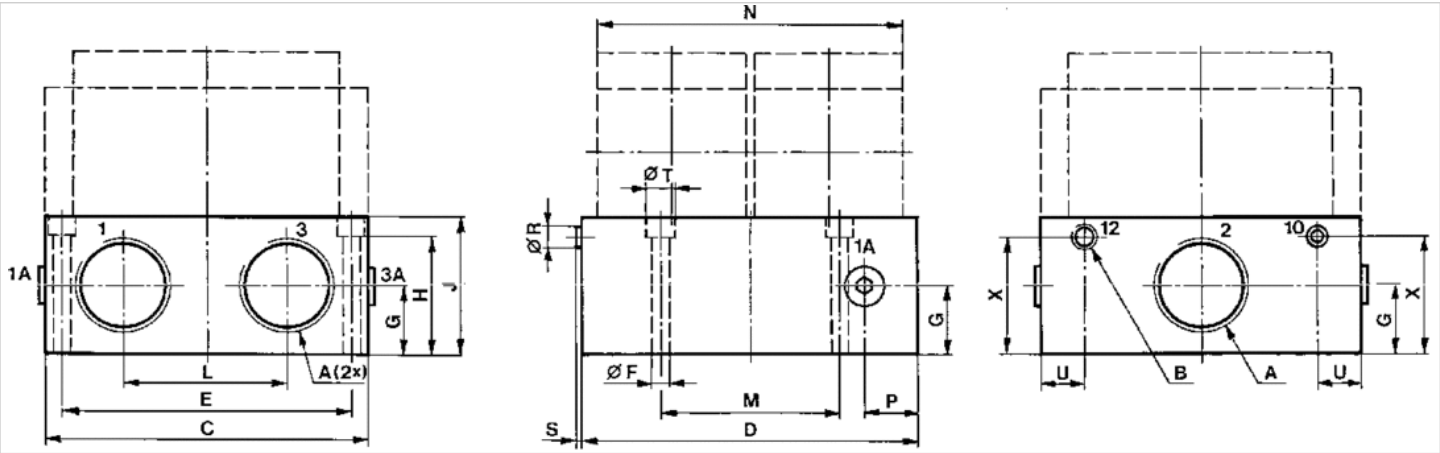


Dimensions

Part No.	A	B	C	D	E	F	G	H	J	L	P	R	S	T	U	Weight
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0,13 kg
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0,37 kg
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0,32 kg
5664420000	G 3/4	G 1/8	162	75	138	11	24	32	44	72	24	10	2	20	22	1,1 kg
5674420000	G 1	G 1/8	162	75	138	11	24	32	44	72	24	10	2	20	22	1 kg
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,7 kg

Dimensions

Fig. 3



Dimensions

Part No.	A	B	C	D	E	F	G	H	J	L	M	N	P	R	S	T	U	X	Weight
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0,13 kg
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0,37 kg
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0,32 kg
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,1 kg
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1 kg

Part No.	A	B	C	D	E	F	G	H	J	L	M	N	P	R	S	T	U	X	Weight
5684420000	G 1 1/2	G 1/4	162	170	146	9	35	60	70	84	90	154	27	10	2	14	22	60	3,7 kg

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

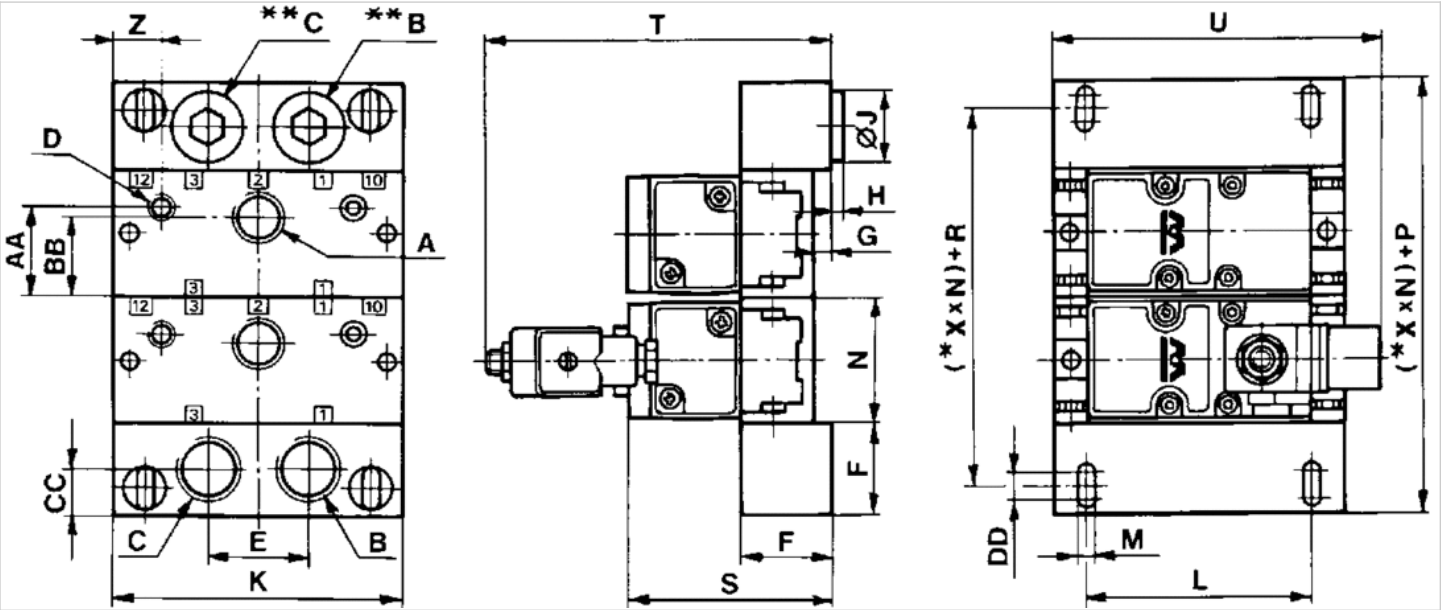
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
 The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
 The oil content of compressed air must remain constant during the life cycle.
 Use 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.

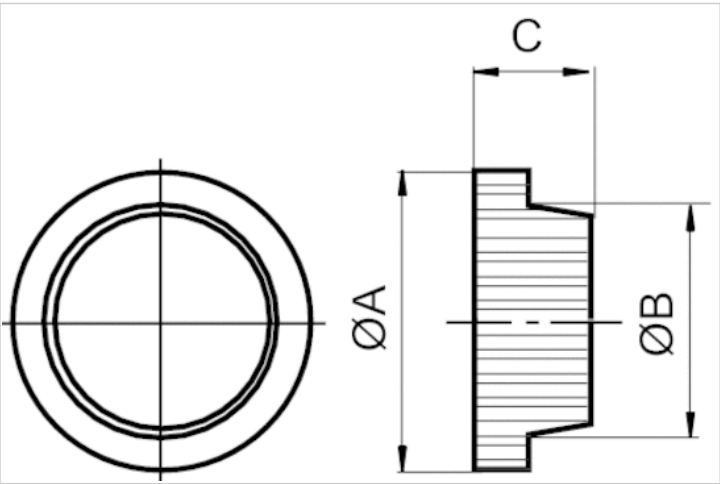
Technical data

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