

3/2-directional valve, Series CD04

- Qn = 900 l/min
- Pilot valve width : 26 mm
- NC, NO
- Pipe connection
- Compressed air connection output : G 1/8
- Electrical connection : Plug, EN 175301-803, form B, 3-pin
- Manual override : with detent, without
- single solenoid
- With spring return
- Pilot : internal, external



Version	Spool valve, positive overlapping
Activation	Electrically
Sealing principle	Soft sealing
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	50 µm
Oil content of compressed air	0 ... 1 mg/m ³
Nominal flow Qn	900 l/min
Nominal flow 1 ► 2	900 l/min
Nominal flow 2 ► 3	900 l/min
Compressed air connection	according to ISO 228-1
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Protection class, with connection	IP65
Compatibility index	14
Duty cycle	100 %
Weight	See table below

Technical data

Part No.			MO	Compressed air connection
				Input
5772550220		NC, NO		G 1/8
5772555270		NC, NO		G 1/8
5772555280		NC, NO		G 1/8
5772555220		NC, NO		G 1/8
5772555302		NC, NO		G 1/8
5772560220		NC, NO		G 1/8
5772565270		NC, NO		G 1/8
5772565280		NC, NO		G 1/8
5772565302		NC, NO		G 1/8
5772590220		NC, NO	—	G 1/8

Part No.	Compressed air connection	Compressed air connection
	Output	Exhaust
5772550220	G 1/8	G 1/8
5772555270	G 1/8	G 1/8
5772555280	G 1/8	G 1/8
5772555220	G 1/8	G 1/8
5772555302	G 1/8	G 1/8
5772560220	G 1/8	G 1/8
5772565270	G 1/8	G 1/8
5772565280	G 1/8	G 1/8
5772565302	G 1/8	G 1/8
5772590220	G 1/8	G 1/8

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Pilot Input	Pilot Exhaust	DC
5772550220	-	M5	24 V
5772555270	-	M5	-
5772555280	-	M5	-
5772555220	-	M5	-
5772555302	-	M5	-
5772560220	G 1/8	M5	24 V
5772565270	G 1/8	M5	-
5772565280	G 1/8	M5	-
5772565302	G 1/8	M5	-
5772590220	-	M5	24 V

Part No.	Operationalvoltage	Operationalvoltage	Voltage tolerance	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5772550220	-	-	-10% / +10%	-
5772555270	110 V	110 V	-	-20% / +10%
5772555280	230 V	230 V	-	-20% / +10%
5772555220	24 V	24 V	-	-20% / +10%
5772555302	-	-	-	-
5772560220	-	-	-10% / +10%	-
5772565270	110 V	110 V	-	-20% / +10%

Part No.	Operationalvoltage	Operationalvoltage	Voltage tolerance	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5772565280	230 V	230 V	-	-20% / +10%
5772565302	-	-	-	-
5772590220	-	-	-30% / +30%	-

Part No.	Voltage tolerance	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5772550220	-	4,8 W	-	-
5772555270	-10% / +20%	-	8,3 VA	7,2 VA
5772555280	-10% / +20%	-	7,9 VA	6,4 VA
5772555220	-10% / +20%	-	8,3 VA	6,7 VA
5772555302	-	-	-	-
5772560220	-	4,8 W	-	-
5772565270	-10% / +20%	-	8,3 VA	7,2 VA
5772565280	-10% / +20%	-	7,9 VA	6,4 VA
5772565302	-	-	-	-
5772590220	-	8,4 W	-	-

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

1) Pilot valve material: polyamide, fiberglass reinforced

2) Pilot valve material: aluminum

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).

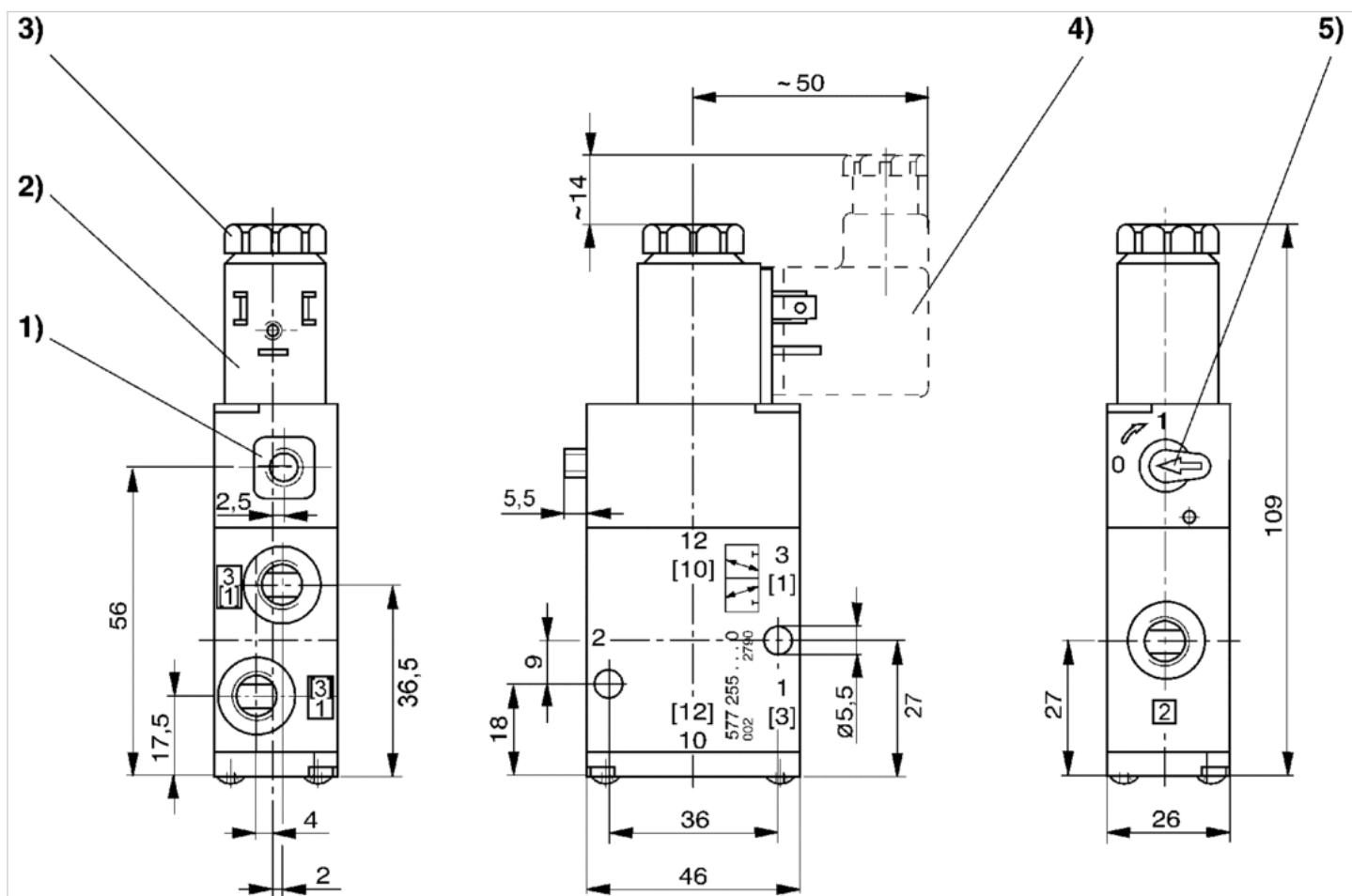
option valve: The input and output compressed air connections can be exchanged. The valve can thereby be used in the NC or NO operating mode.

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) Only with separate pilot control G 1/8 2) Coil can be rotated at 90° intervals 3) After removal of cap M5 internal thread 4) Valve plug connector can be plugged at 180° intervals 5) Manual override

5/2-directional valve, Series CD04

- Qn = 900 l/min
- Pilot valve width : 26 mm
- Pipe connection
- Compressed air connection output : G 1/8
- Electrical connection : Plug, EN 175301-803, form B, 3-pin
- Manual override : with detent
- single solenoid
- Pilot : internal, external



Version	Spool valve, positive overlapping
Activation	Electrically
Sealing principle	Soft sealing
Working pressure min./max.	See table below
Control pressure min./max.	3 ... 10 bar
Ambient temperature min./max.	-15 ... 50 °C
Medium temperature min./max.	-15 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m ³
Nominal flow Qn	900 l/min
Nominal flow 1 ► 2	900 l/min
Nominal flow 2 ► 3	900 l/min
Compressed air connection	according to ISO 228-1
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Protection class, with connection	IP65
Compatibility index	14
Duty cycle	100 %
Mounting on manifold strip	P-strip
Weight	See table below

Technical data

Part No.		MO	Compressed air connection	Compressed air connection
			Input	Output
5777050210			G 1/8	G 1/8
5777050220			G 1/8	G 1/8
5777055270			G 1/8	G 1/8
5777055280			G 1/8	G 1/8
5777055220			G 1/8	G 1/8
5777055302			G 1/8	G 1/8
5777060220			G 1/8	G 1/8
5777065270			G 1/8	G 1/8
5777065280			G 1/8	G 1/8
5777065220			G 1/8	G 1/8
5777065302			G 1/8	G 1/8
5777150220			G 1/8	G 1/8
5777155270			G 1/8	G 1/8

Part No.	Compressed air connection	Compressed air connection
	Exhaust	Pilot Input
5777050210	G 1/8	-
5777050220	G 1/8	-
5777055270	G 1/8	-
5777055280	G 1/8	-
5777055220	G 1/8	-
5777055302	G 1/8	-
5777060220	G 1/8	G 1/8
5777065270	G 1/8	G 1/8
5777065280	G 1/8	G 1/8
5777065220	G 1/8	G 1/8
5777065302	G 1/8	G 1/8
5777150220	G 1/8	-
5777155270	G 1/8	-

Part No.	Compressed air connection	Operational voltage	Operational voltage
	Pilot Exhaust	DC	AC 50 Hz
5777050210	M5	12 V	-
5777050220	M5	24 V	-
5777055270	M5	-	110 V
5777055280	M5	-	230 V
5777055220	M5	-	24 V
5777055302	M5	-	-
5777060220	M5	24 V	-
5777065270	M5	-	110 V
5777065280	M5	-	230 V
5777065220	M5	-	24 V
5777065302	M5	-	-
5777150220	M5	24 V	-
5777155270	M5	-	110 V

Part No.	Operational voltage	Voltage tolerance	Voltage tolerance	Voltage tolerance
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5777050210	-	-10% / +10%	-	-
5777050220	-	-10% / +10%	-	-
5777055270	110 V	-	-20% / +10%	-10% / +20%
5777055280	230 V	-	-20% / +10%	-10% / +20%
5777055220	24 V	-	-20% / +10%	-10% / +20%
5777055302	-	-	-	-
5777060220	-	-10% / +10%	-	-
5777065270	110 V	-	-20% / +10%	-10% / +20%
5777065280	230 V	-	-20% / +10%	-10% / +20%
5777065220	24 V	-	-20% / +10%	-10% / +20%
5777065302	-	-	-	-
5777150220	-	-10% / +10%	-	-
5777155270	110 V	-	-20% / +10%	-10% / +20%

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
5777050210	4,6 W	-	-	-
5777050220	4,8 W	-	-	-
5777055270	-	8,3 VA	7,2 VA	10,8 VA
5777055280	-	7,9 VA	6,4 VA	10,6 VA
5777055220	-	8,3 VA	6,7 VA	10,8 VA
5777055302	-	-	-	-
5777060220	4,8 W	-	-	-
5777065270	-	8,3 VA	7,2 VA	10,8 VA
5777065280	-	7,9 VA	6,4 VA	10,6 VA
5777065220	-	8,3 VA	6,7 VA	10,8 VA
5777065302	-	-	-	-
5777150220	4,8 W	-	-	-
5777155270	-	8,3 VA	7,2 VA	10,8 VA

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.

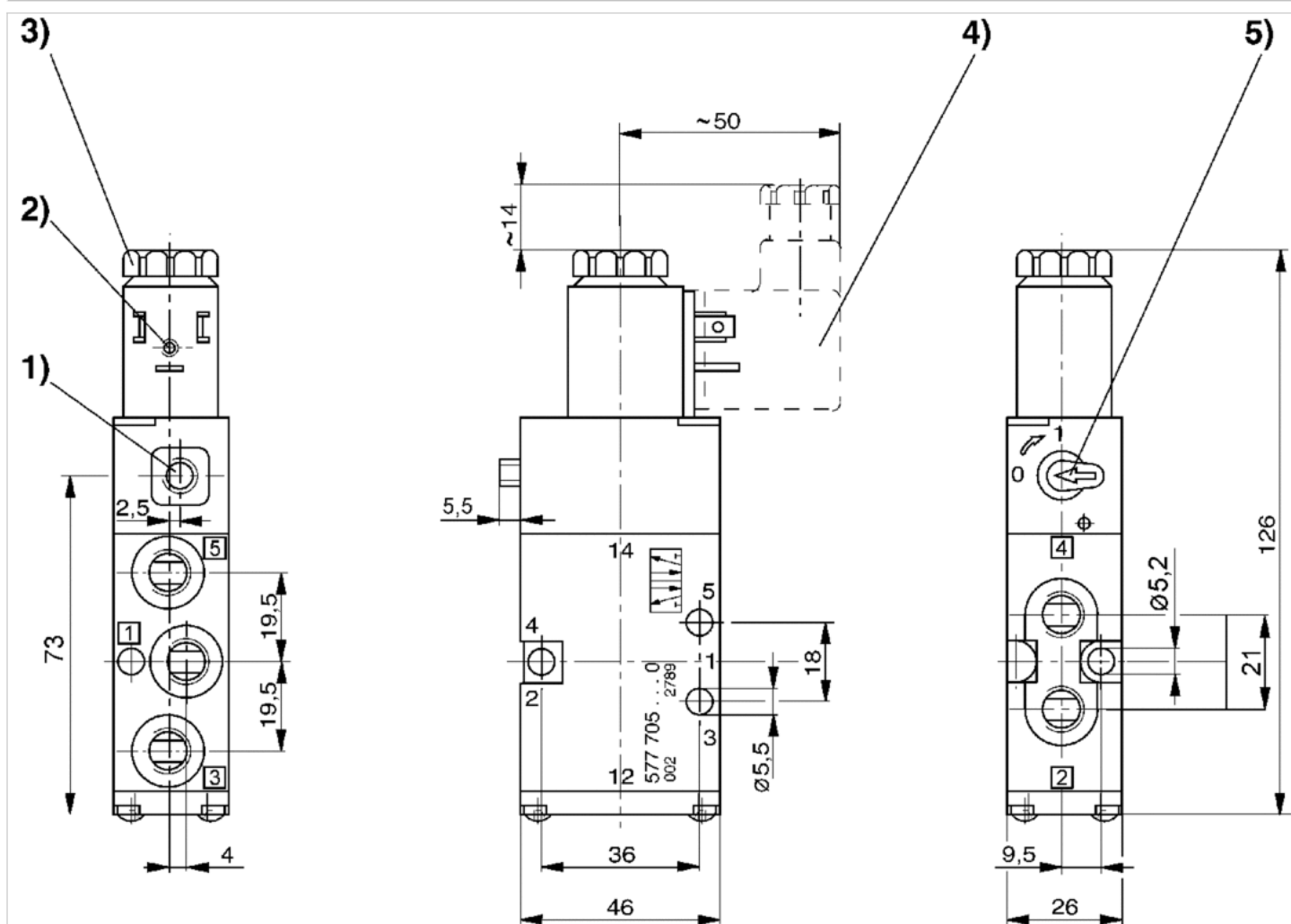
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) Only with separate pilot control G 1/8 2) Coil can be rotated at 90° intervals 3) After removal of cap M5 internal thread 4) Valve plug connector can be plugged at 180° intervals 5) Manual override

5/2-directional valve, Series CD04

- Qn = 900 l/min
- Pilot valve width : 26 mm
- Pipe connection
- Compressed air connection output : G 1/8
- Electrical connection : Plug, EN 175301-803, form B, 3-pin
- Manual override : with detent
- Double solenoid
- Pilot : internal, external



Version	Spool valve, positive overlapping
Activation	Electrically
Sealing principle	Soft sealing
Working pressure min./max.	See table below
Control pressure min./max.	2 ... 10 bar
Ambient temperature min./max.	-15 ... 50 °C
Medium temperature min./max.	-15 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m ³
Nominal flow Qn	900 l/min
Nominal flow 1 ► 2	900 l/min
Nominal flow 2 ► 3	900 l/min
Compressed air connection	according to ISO 228-1
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Protection class, with connection	IP65
Compatibility index	14
Duty cycle	100 %
Mounting on manifold strip	P-strip
Weight	See table below

Technical data

Part No.		MO	Compressed air connection
			Input
R412008841			G 1/8
5777250220			G 1/8
5777255280			G 1/8
5777255302			G 1/8
5777260220			G 1/8
5777265280			G 1/8
5777265302			G 1/8

Part No.	Compressed air connection	Compressed air connection
	Output	Exhaust
R412008841	G 1/8	G 1/8
5777250220	G 1/8	G 1/8
5777255280	G 1/8	G 1/8
5777255302	G 1/8	G 1/8
5777260220	G 1/8	G 1/8
5777265280	G 1/8	G 1/8
5777265302	G 1/8	G 1/8

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Pilot Input	Pilot Exhaust	DC
R412008841	-	M5	12 V
5777250220	-	M5	24 V
5777255280	-	M5	-
5777255302	-	M5	-
5777260220	G 1/8	M5	24 V
5777265280	G 1/8	M5	-
5777265302	G 1/8	M5	-

Part No.	Operationalvoltage	Operationalvoltage	Voltage tolerance	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
R412008841	-	-	-10% / +10%	-
5777250220	-	-	-10% / +10%	-
5777255280	230 V	230 V	-	-20% / +10%
5777255302	-	-	-	-
5777260220	-	-	-10% / +10%	-
5777265280	230 V	230 V	-	-20% / +10%
5777265302	-	-	-	-

Part No.	Voltage tolerance	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
R412008841	-	4,6 W	-	-
5777250220	-	4,8 W	-	-
5777255280	-10% / +20%	-	7,9 VA	6,4 VA
5777255302	-	-	-	-
5777260220	-	4,8 W	-	-
5777265280	-10% / +20%	-	7,9 VA	6,4 VA
5777265302	-	-	-	-

Nominal flow Qn 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).

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

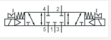
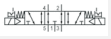
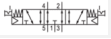
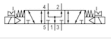
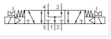
5/3-directional valve, Series CD04

- Qn = 900 l/min
- Pilot valve width : 26 mm
- Pipe connection
- Compressed air connection output : G 1/8
- Electrical connection : Plug, EN 175301-803, form B, 3-pin
- Manual override : with detent
- Double solenoid
- With spring return
- Pilot : internal



Version	Spool valve, positive overlapping
Activation	Electrically
Pilot	internal
Sealing principle	Soft sealing
Working pressure min./max.	3,5 ... 10 bar
Control pressure min./max.	3,5 ... 10 bar
Ambient temperature min./max.	-15 ... 50 °C
Medium temperature min./max.	-15 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Nominal flow Qn	900 l/min
Nominal flow 1 ► 2	900 l/min
Nominal flow 2 ► 3	900 l/min
Compressed air connection	according to ISO 228-1
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Protection class,with connection	IP65
Compatibility index	14
Duty cycle	100 %
Mounting on manifold strip	P-strip
Weight	See table below

Technical data

Part No.		MO	Compressed air connection	Compressed air connection
			Input	Output
5777420220			G 1/8	G 1/8
5777425280			G 1/8	G 1/8
5777425302			G 1/8	G 1/8
5777410220			G 1/8	G 1/8
5777415280			G 1/8	G 1/8
5777415302			G 1/8	G 1/8
5777400220			G 1/8	G 1/8
5777405280			G 1/8	G 1/8
5777405302			G 1/8	G 1/8

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Exhaust	Pilot Exhaust	DC
5777420220	G 1/8	M5	24 V
5777425280	G 1/8	M5	-
5777425302	G 1/8	M5	-
5777410220	G 1/8	M5	24 V
5777415280	G 1/8	M5	-
5777415302	G 1/8	M5	-
5777400220	G 1/8	M5	24 V
5777405280	G 1/8	M5	-
5777405302	G 1/8	M5	-

Part No.	Operationalvoltage	Operationalvoltage	Voltage tolerance	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5777420220	-	-	-10% / +10%	-
5777425280	230 V	230 V	-	-20% / +10%
5777425302	-	-	-	-
5777410220	-	-	-10% / +10%	-
5777415280	230 V	230 V	-	-20% / +10%
5777415302	-	-	-	-
5777400220	-	-	-10% / +10%	-
5777405280	230 V	230 V	-	-20% / +10%
5777405302	-	-	-	-

Part No.	Voltage tolerance	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5777420220	-	4,8 W	-	-
5777425280	-10% / +20%	-	7,9 VA	6,4 VA
5777425302	-	-	-	-
5777410220	-	4,8 W	-	-
5777415280	-10% / +20%	-	7,9 VA	6,4 VA
5777415302	-	-	-	-
5777400220	-	4,8 W	-	-
5777405280	-10% / +20%	-	7,9 VA	6,4 VA
5777405302	-	-	-	-

Part No.	Switch-on power	Switch-on power	Typ. switch-on time	Typ. switch-off time
	AC 50 Hz	AC 60 Hz		
5777420220	-	-	12 ms	27 ms
5777425280	10,6 VA	8,9 VA	12 ms	27 ms
5777425302	-	-	-	-
5777410220	-	-	12 ms	27 ms
5777415280	10,6 VA	8,9 VA	12 ms	27 ms
5777415302	-	-	-	-
5777400220	-	-	12 ms	27 ms
5777405280	10,6 VA	8,9 VA	12 ms	27 ms
5777405302	-	-	-	-

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.

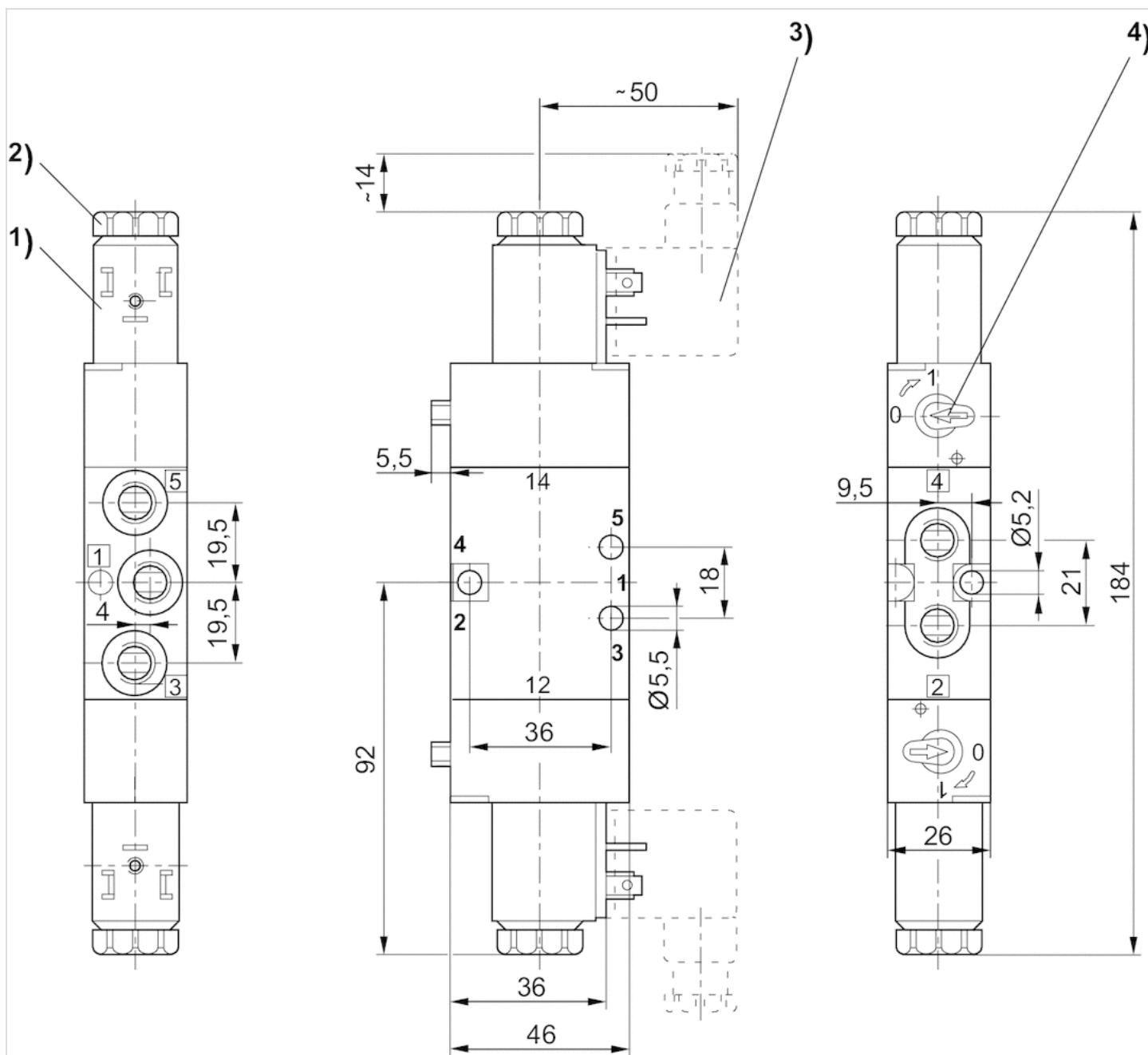
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Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) Coil can be rotated at 90° intervals 2) After removal of cap M5 internal thread 3) Valve plug connector can be plugged at 180° intervals 4) Manual override

3/2-directional valve, Series CD04

- Qn = 900 l/min
- Pilot valve width : 26 mm
- NC, NO
- Pipe connection
- Compressed air connection output : M10x1
- Electrical connection : Plug, EN 175301-803, form B, 3-pin
- Manual override : with detent
- single solenoid
- With spring return
- Pilot : internal



Version	Spool valve, positive overlapping
Activation	Electrically
Pilot	internal
Sealing principle	Soft sealing
Working pressure min./max.	3 ... 10 bar
Control pressure min./max.	3 ... 10 bar
Ambient temperature min./max.	-15 ... 50 °C
Medium temperature min./max.	-15 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Nominal flow Qn	900 l/min
Nominal flow 1 ► 2	900 l/min
Nominal flow 2 ► 3	900 l/min
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Protection class,with connection	IP65
Compatibility index	14
Duty cycle	100 %
Weight	See table below

Technical data

Part No.			MO	Compressed air connection
				Input
5772500220		NC, NO		M10x1
5772505302		NC, NO		M10x1

Part No.	Compressed air connection	Compressed air connection
	Output	Exhaust
5772500220	M10x1	M10x1
5772505302	M10x1	M10x1

Part No.	Compressed air connection	Operational voltage	Voltage tolerance
	Pilot Exhaust	DC	DC
5772500220	M5	24 V	-10% / +10%
5772505302	M5	-	-

Part No.	Power consumption	Typ. switch-on time	Typ. switch-off time
	DC		
5772500220	4,8 W	13 ms	27 ms
5772505302	-	-	-

Part No.	basic valve with electrical connector	Weight
5772500220	-	0,3 kg
5772505302	Basic valve without coil	0,25 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).

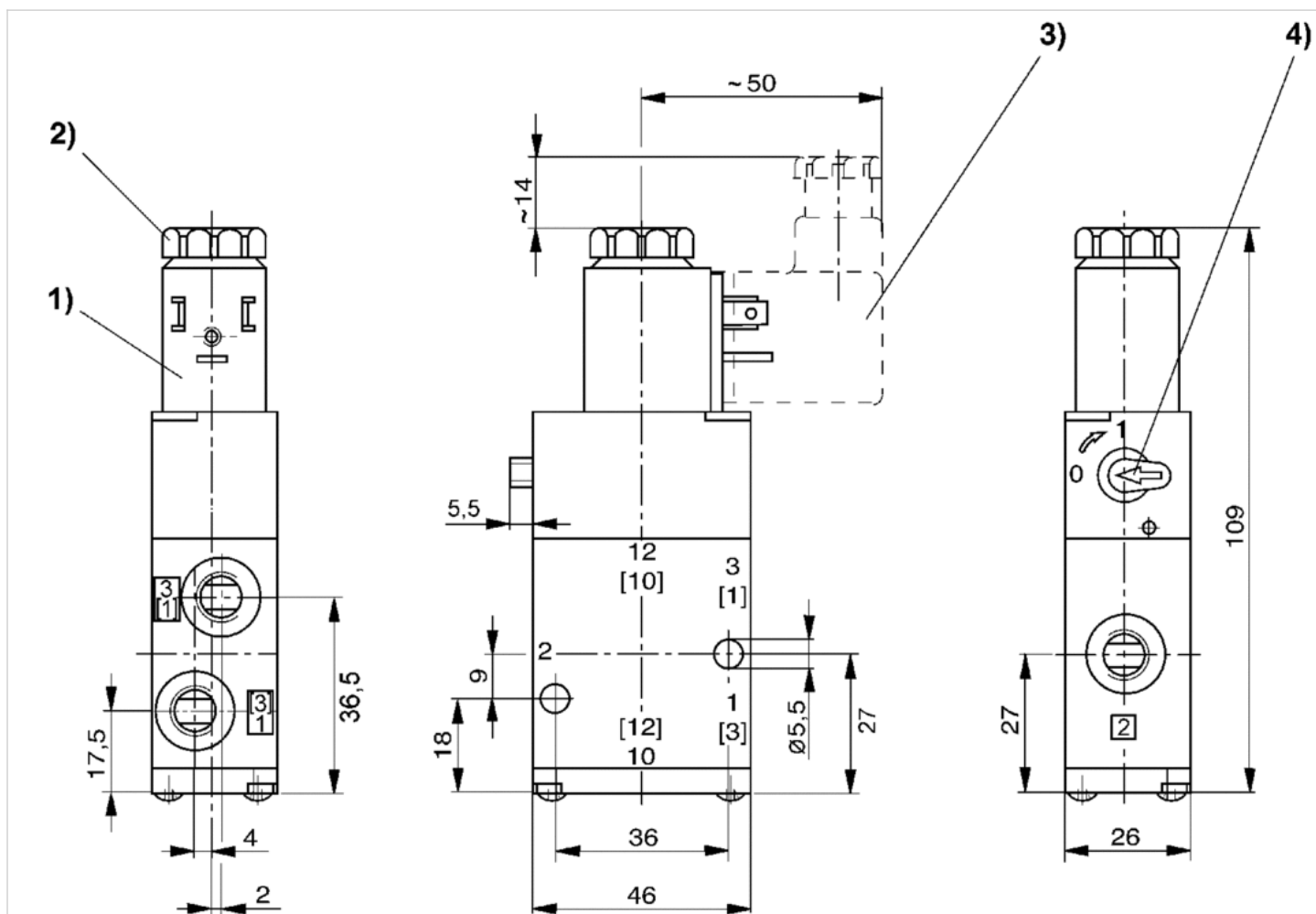
option valve: The input and output compressed air connections can be exchanged. The valve can thereby be used in the NC or NO operating mode.

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) Coil can be rotated at 90° intervals 2) After removal of cap M5 internal thread 3) Valve plug connector can be plugged at 180° intervals 4) Manual override

5/2-directional valve, Series CD04

- Qn = 900 l/min
- Pilot valve width : 26 mm
- Pipe connection
- Compressed air connection output : M10x1
- Electrical connection : Plug, EN 175301-803, form B, 3-pin
- Manual override : with detent
- Double solenoid
- Pilot : internal



Version	Spool valve, positive overlapping
Activation	Electrically
Pilot	internal
Sealing principle	Soft sealing
Working pressure min./max.	2 ... 10 bar
Control pressure min./max.	2 ... 10 bar
Ambient temperature min./max.	-15 ... 50 °C
Medium temperature min./max.	-15 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Nominal flow Qn	900 l/min
Nominal flow 1 ► 2	900 l/min
Nominal flow 2 ► 3	900 l/min
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Protection class,with connection	IP65
Compatibility index	14
Duty cycle	100 %
Mounting on manifold strip	P-strip
Weight	See table below

Technical data

Part No.		MO	Compressed air connection	Compressed air connection
			Input	Output
5777200220			M10x1	M10x1
5777205280			M10x1	M10x1
5777205302			M10x1	M10x1

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Exhaust	Pilot Exhaust	DC
5777200220	M10x1	M5	24 V
5777205280	M10x1	M5	-
5777205302	M10x1	M5	-

Part No.	Operationalvoltage	Operationalvoltage	Voltage tolerance	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5777200220	-	-	-10% / +10%	-
5777205280	230 V	230 V	-	-20% / +10%
5777205302	-	-	-	-

Part No.	Voltage tolerance	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5777200220	-	4,8 W	-	-
5777205280	-10% / +20%	-	7,9 VA	6,4 VA
5777205302	-	-	-	-

Part No.	Switch-on power	Switch-on power	Typ. switch-on time	Typ. switch-off time
	AC 50 Hz	AC 60 Hz		
5777200220	-	-	12 ms	12 ms
5777205280	10,6 VA	8,9 VA	12 ms	12 ms
5777205302	-	-	-	-

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.

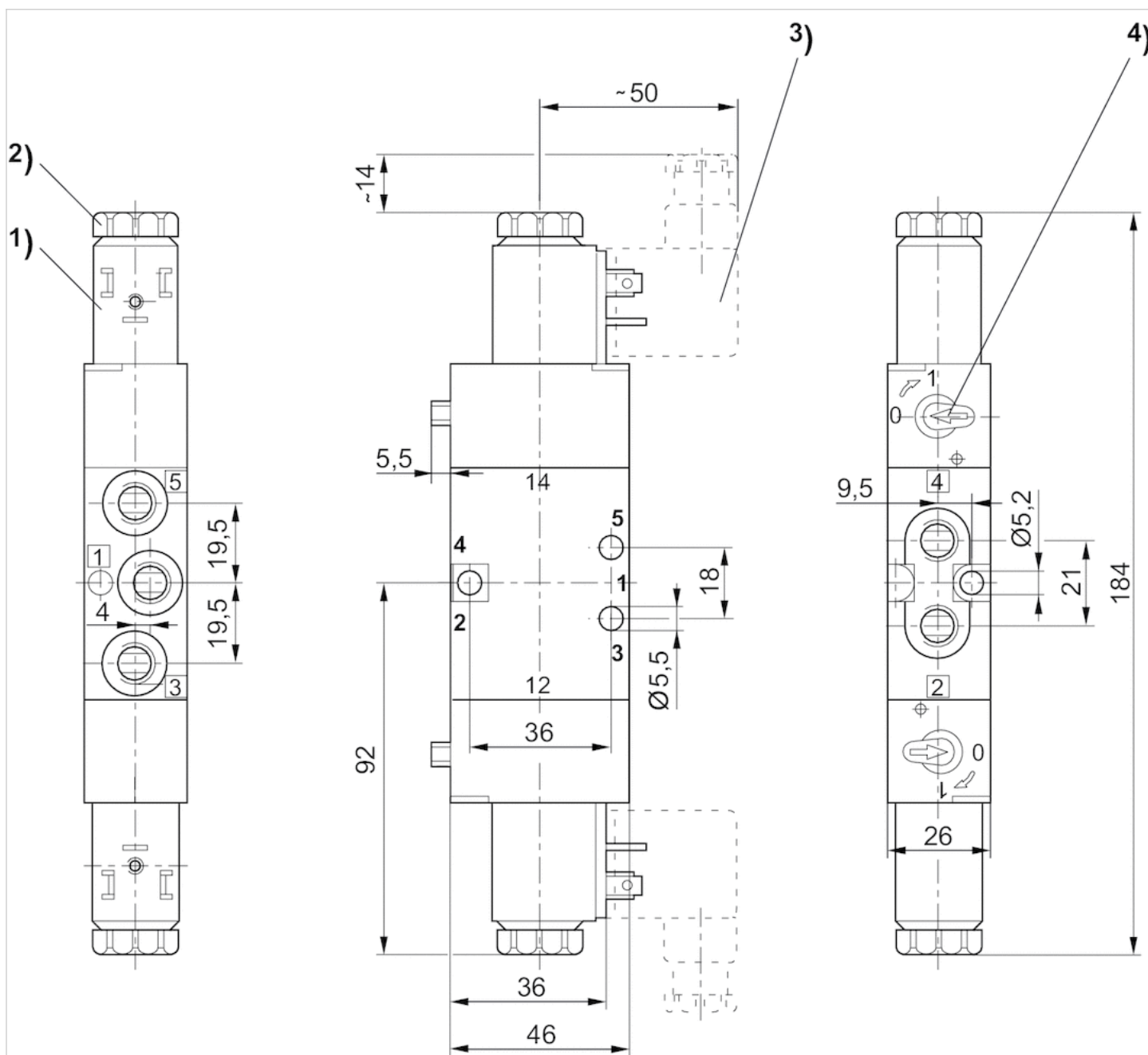
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) Coil can be rotated at 90° intervals 2) After removal of cap M5 internal thread 3) Valve plug connector can be plugged at 180° intervals 4) Manual override

5/2-directional valve, Series CD04

- Qn = 900 l/min
- Pilot valve width : 26 mm
- Pipe connection
- Compressed air connection output : M10x1
- Electrical connection : Plug, EN 175301-803, form B, 3-pin
- Manual override : with detent
- single solenoid
- Pilot : internal



Version	Spool valve, positive overlapping
Activation	Electrically
Pilot	internal
Sealing principle	Soft sealing
Working pressure min./max.	3 ... 10 bar
Control pressure min./max.	3 ... 10 bar
Ambient temperature min./max.	-15 ... 50 °C
Medium temperature min./max.	-15 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m ³
Nominal flow Qn	900 l/min
Nominal flow 1 ► 2	900 l/min
Nominal flow 2 ► 3	900 l/min
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Protection class,with connection	IP65
Compatibility index	14
Duty cycle	100 %
Mounting on manifold strip	P-strip
Weight	See table below

Technical data

Part No.		MO	Compressed air connection
			Input
5777000220			M10x1
5777005280			M10x1
5777005302			M10x1

Part No.	Compressed air connection	Compressed air connection
	Output	Exhaust
5777000220	M10x1	M10x1
5777005280	M10x1	M10x1
5777005302	M10x1	M10x1

Part No.	Compressed air connection	Operational voltage	Operational voltage
	Pilot Exhaust	DC	AC 50 Hz
5777000220	M5	24 V	-
5777005280	M5	-	230 V
5777005302	M5	-	-

Part No.	Operational voltage	Voltage tolerance	Voltage tolerance	Voltage tolerance
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5777000220	-	-10% / +10%	-	-
5777005280	230 V	-	-20% / +10%	-10% / +20%
5777005302	-	-	-	-

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
5777000220	4,8 W	-	-	-
5777005280	-	7,9 VA	6,4 VA	10,6 VA
5777005302	-	-	-	-

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.

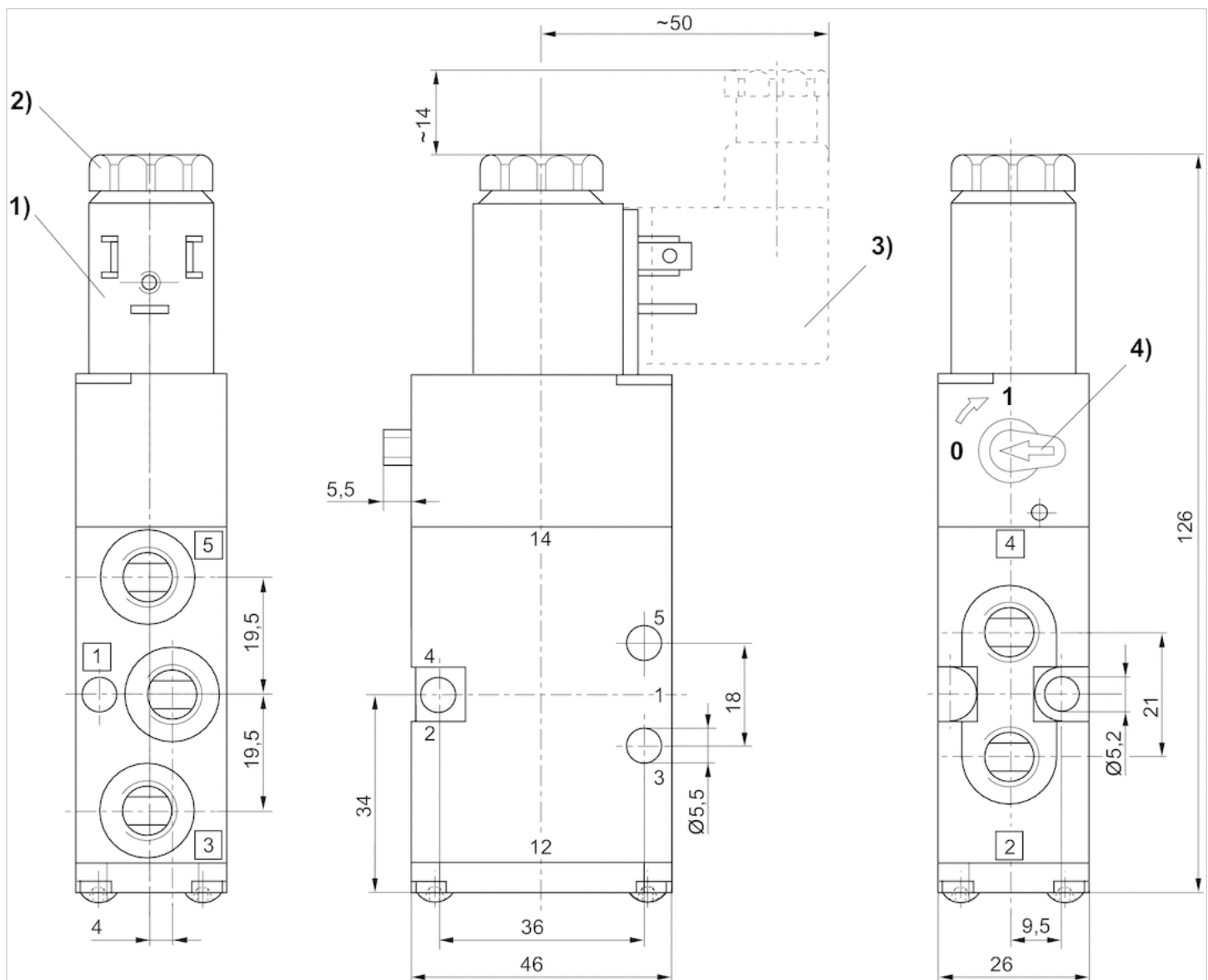
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) Coil can be rotated at 90° intervals 2) After removal of cap M5 internal thread 3) Valve plug connector can be plugged at 180° intervals 4) Manual override

3/2-directional valve, Series CD04

- Qn = 900 l/min
- Pilot valve width : 26 mm
- NC, NO
- Pipe connection
- Compressed air connection output : 1/8-27 PTF
- Electrical connection : Plug, EN 175301-803, form B, 3-pin
- Manual override : with detent
- With spring return
- Pilot : internal



Version	Spool valve, positive overlapping
Activation	Electrically
Pilot	internal
Sealing principle	Soft sealing
Working pressure min./max.	3 ... 10 bar
Control pressure min./max.	3 ... 10 bar
Ambient temperature min./max.	-15 ... 50 °C
Medium temperature min./max.	-15 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Nominal flow Qn	900 l/min
Nominal flow 1 ► 2	900 l/min
Nominal flow 2 ► 3	900 l/min
Compressed air connection	according to ANSI B1.20.3
Connector standard	EN 175301-803:2006
Protection class,with connection	IP65
Compatibility index	14
Duty cycle	100 %
Weight	See table below

Technical data

Part No.			MO	Compressed air connection
				Input
R412012695		NC, NO		1/8-27 PTF
R412012696		NC, NO		1/8-27 PTF
R412012698		NC, NO		1/8-27 PTF
R412012700		NC, NO		1/8-27 PTF

Part No.	Compressed air connection	Compressed air connection
	Output	Exhaust
R412012695	1/8-27 PTF	1/8-27 PTF
R412012696	1/8-27 PTF	1/8-27 PTF
R412012698	1/8-27 PTF	1/8-27 PTF
R412012700	1/8-27 PTF	1/8-27 PTF

Part No.	Compressed air connection	Operationalvoltage	Operationalvoltage
	Pilot Exhaust	DC	AC 50 Hz
R412012695	M5	12 V	-
R412012696	M5	24 V	-
R412012698	M5	-	110 V
R412012700	M5	-	-

Part No.	Operationalvoltage	Voltage tolerance	Voltage tolerance	Voltage tolerance
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
R412012695	-	-10% / +10%	-	-
R412012696	-	-10% / +10%	-	-
R412012698	110 V	-	-20% / +10%	-10% / +20%
R412012700	-	-	-	-

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
R412012695	4,6 W	-	-	-
R412012696	4,8 W	-	-	-
R412012698	-	8,3 VA	7,2 VA	10,8 VA
R412012700	-	-	-	-

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).

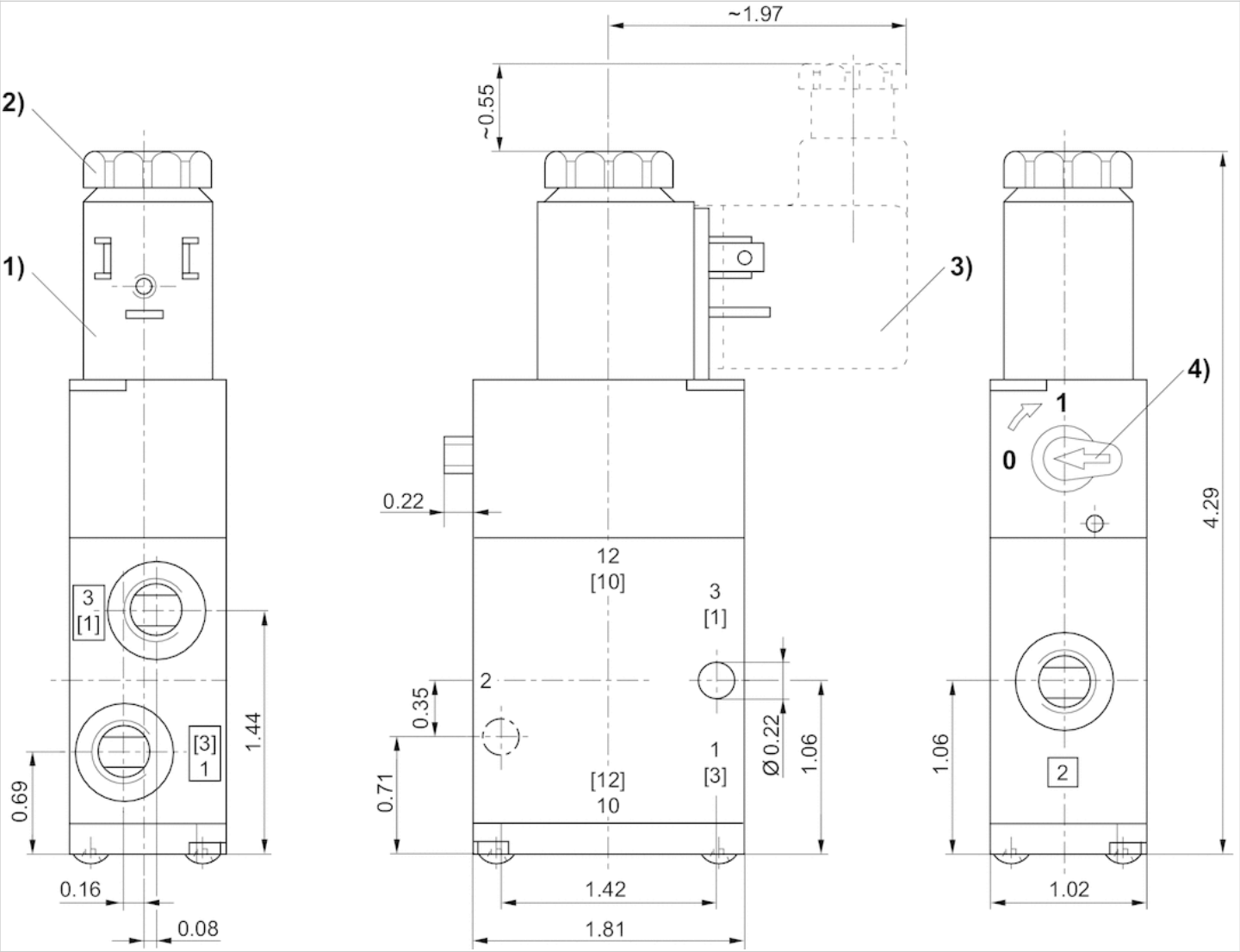
option valve: The input and output compressed air connections can be exchanged.The valve can thereby be used in the NC or NO operating mode.

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions in inches



1) Coil can be rotated at 90° intervals 2) After removal of cap M5 internal thread3) Valve plug connector can be plugged at 180° intervals 4) Manual override

5/2-directional valve, Series CD04

- Qn = 900 l/min
- Pilot valve width : 26 mm
- Pipe connection
- Compressed air connection output : 1/8-27 PTF
- Electrical connection : Plug, EN 175301-803, form B, 3-pin
- Manual override : with detent
- single solenoid
- Pilot : internal



Version	Spool valve, positive overlapping
Activation	Electrically
Pilot	internal
Sealing principle	Soft sealing
Working pressure min./max.	3 ... 10 bar
Control pressure min./max.	3 ... 10 bar
Ambient temperature min./max.	-15 ... 50 °C
Medium temperature min./max.	-15 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Nominal flow Qn	900 l/min
Nominal flow 1 ► 2	900 l/min
Nominal flow 2 ► 3	900 l/min
Compressed air connection	according to ANSI B1.20.3
Connector standard	EN 175301-803:2006
Protection class,with connection	IP65
Compatibility index	14
Duty cycle	100 %
Typ. switch-on time	12 ms
Typ. switch-off time	21 ms
Mounting on manifold strip	P-strip
Weight	See table below

Technical data

Part No.		MO	Compressed air connection	Compressed air connection
			Input	Output
R412012840			1/8-27 PTF	1/8-27 PTF
R412012841			1/8-27 PTF	1/8-27 PTF
R412012842			1/8-27 PTF	1/8-27 PTF
R412012843			1/8-27 PTF	1/8-27 PTF
R412012708			1/8-27 PTF	1/8-27 PTF
R412012709			1/8-27 PTF	1/8-27 PTF
R412012711			1/8-27 PTF	1/8-27 PTF
R412012713			1/8-27 PTF	1/8-27 PTF

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Exhaust	Pilot Exhaust	DC
R412012840	1/8-27 PTF	M5	12 V
R412012841	1/8-27 PTF	M5	24 V
R412012842	1/8-27 PTF	M5	-
R412012843	1/8-27 PTF	M5	-
R412012708	1/8-27 PTF	M5	12 V
R412012709	1/8-27 PTF	M5	24 V
R412012711	1/8-27 PTF	M5	-
R412012713	1/8-27 PTF	M5	-

Part No.	Operationalvoltage	Operationalvoltage	Voltage tolerance	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
R412012840	-	-	-10% / +10%	-
R412012841	-	-	-10% / +10%	-
R412012842	110 V	110 V	-	-20% / +10%
R412012843	-	-	-	-
R412012708	-	-	-10% / +10%	-
R412012709	-	-	-10% / +10%	-
R412012711	110 V	110 V	-	-20% / +10%
R412012713	-	-	-	-

Part No.	Voltage tolerance	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
R412012840	-	4,6 W	-	-
R412012841	-	4,8 W	-	-
R412012842	-10% / +20%	-	8,3 VA	7,2 VA
R412012843	-	-	-	-
R412012708	-	4,6 W	-	-
R412012709	-	4,8 W	-	-
R412012711	-10% / +20%	-	8,3 VA	7,2 VA
R412012713	-	-	-	-

Part No.	Switch-on power	Switch-on power	basic valve with electrical connector	Weight
	AC 50 Hz	AC 60 Hz		
R412012840	-	-	-	0,38 kg
R412012841	-	-	-	0,38 kg
R412012842	10,8 VA	9,5 VA	-	0,38 kg

Part No.	Switch-on power	Switch-on power	basic valve with electrical connector	Weight
	AC 50 Hz	AC 60 Hz		
R412012843	-	-	Basic valve without coil	0,33 kg
R412012708	-	-	-	0,38 kg
R412012709	-	-	-	0,38 kg
R412012711	10,8 VA	9,5 VA	-	0,38 kg
R412012713	-	-	Basic valve without coil	0,33 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.

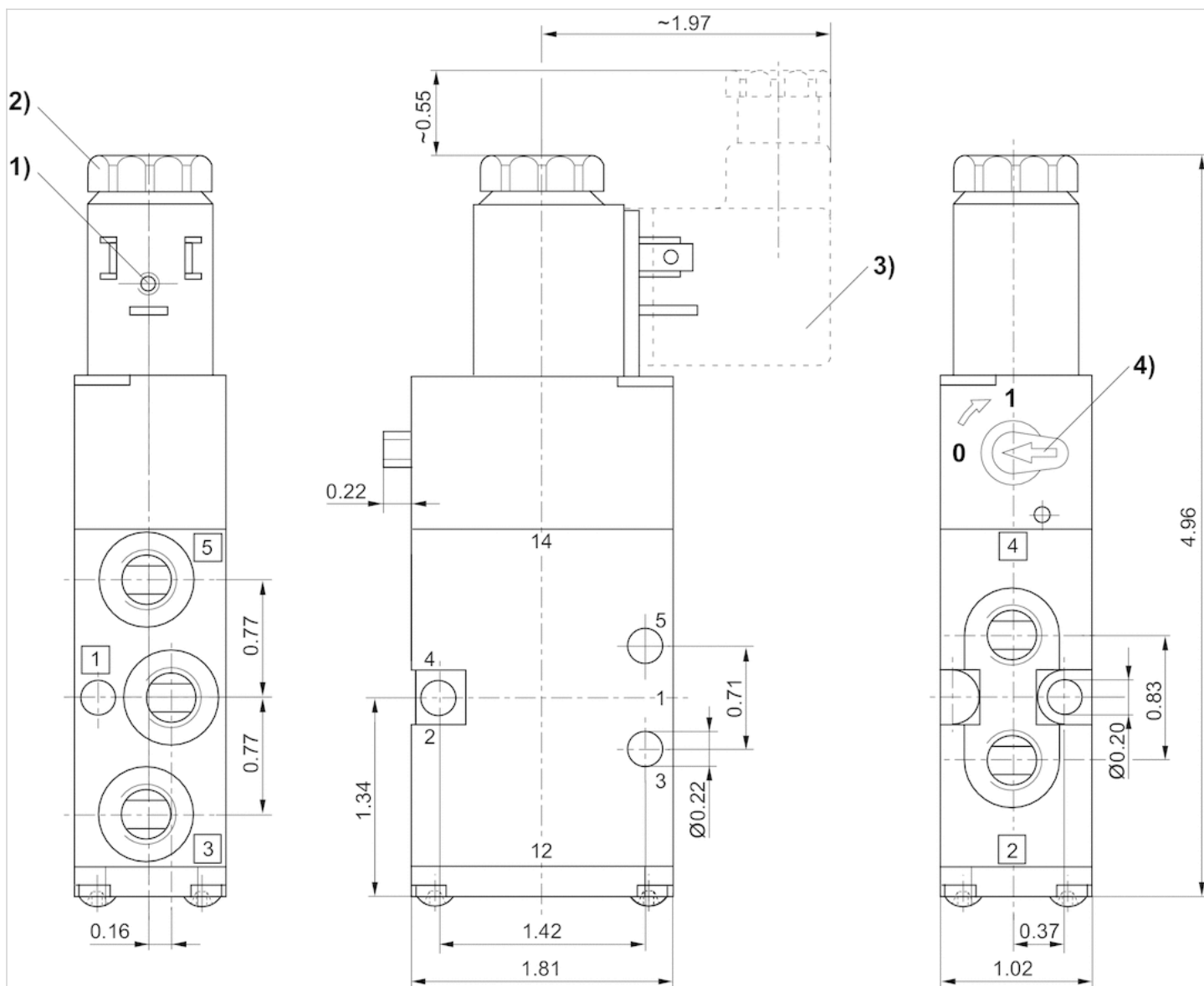
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions in inches



1) Coil can be rotated at 90° intervals 2) After removal of cap M5 internal thread 3) Valve plug connector can be plugged at 180° intervals 4) Manual override

5/2-directional valve, Series CD04

- Qn = 900 l/min
- Pilot valve width : 26 mm
- Pipe connection
- Compressed air connection output : 1/8-27 PTF
- Electrical connection : Plug, EN 175301-803, form B, 3-pin
- Manual override : with detent
- Double solenoid
- Pilot : internal



Version	Spool valve, positive overlapping
Activation	Electrically
Pilot	internal
Sealing principle	Soft sealing
Working pressure min./max.	2 ... 10 bar
Control pressure min./max.	2 ... 10 bar
Ambient temperature min./max.	-15 ... 50 °C
Medium temperature min./max.	-15 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Nominal flow Qn	900 l/min
Nominal flow 1 ► 2	900 l/min
Nominal flow 2 ► 3	900 l/min
Compressed air connection	according to ANSI B1.20.3
Connector standard	EN 175301-803:2006
Protection class,with connection	IP65
Compatibility index	14
Duty cycle	100 %
Typ. switch-on time	12 ms
Typ. switch-off time	12 ms
Mounting on manifold strip	P-strip
Weight	See table below

Technical data

Part No.		MO	Compressed air connection	Compressed air connection
			Input	Output
R412012999			1/8-27 PTF	1/8-27 PTF
R412013000			1/8-27 PTF	1/8-27 PTF
R412013001			1/8-27 PTF	1/8-27 PTF
R412013002			1/8-27 PTF	1/8-27 PTF

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Exhaust	Pilot Exhaust	DC
R412012999	1/8-27 PTF	M5	12 V
R412013000	1/8-27 PTF	M5	24 V
R412013001	1/8-27 PTF	M5	-
R412013002	1/8-27 PTF	M5	-

Part No.	Operationalvoltage	Operationalvoltage	Voltage tolerance	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
R412012999	-	-	-10% / +10%	-
R412013000	-	-	-10% / +10%	-
R412013001	110 V	110 V	-	-20% / +10%
R412013002	-	-	-	-

Part No.	Voltage tolerance	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
R412012999	-	4,6 W	-	-
R412013000	-	4,8 W	-	-
R412013001	-10% / +20%	-	8,3 VA	7,2 VA
R412013002	-	-	-	-

Part No.	Switch-on power	Switch-on power	basic valve with electrical connector	Weight
	AC 50 Hz	AC 60 Hz		
R412012999	-	-	-	0,46 kg
R412013000	-	-	-	0,46 kg
R412013001	10,8 VA	9,5 VA	-	0,46 kg
R412013002	-	-	Basic valve without coil	0,36 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, 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.

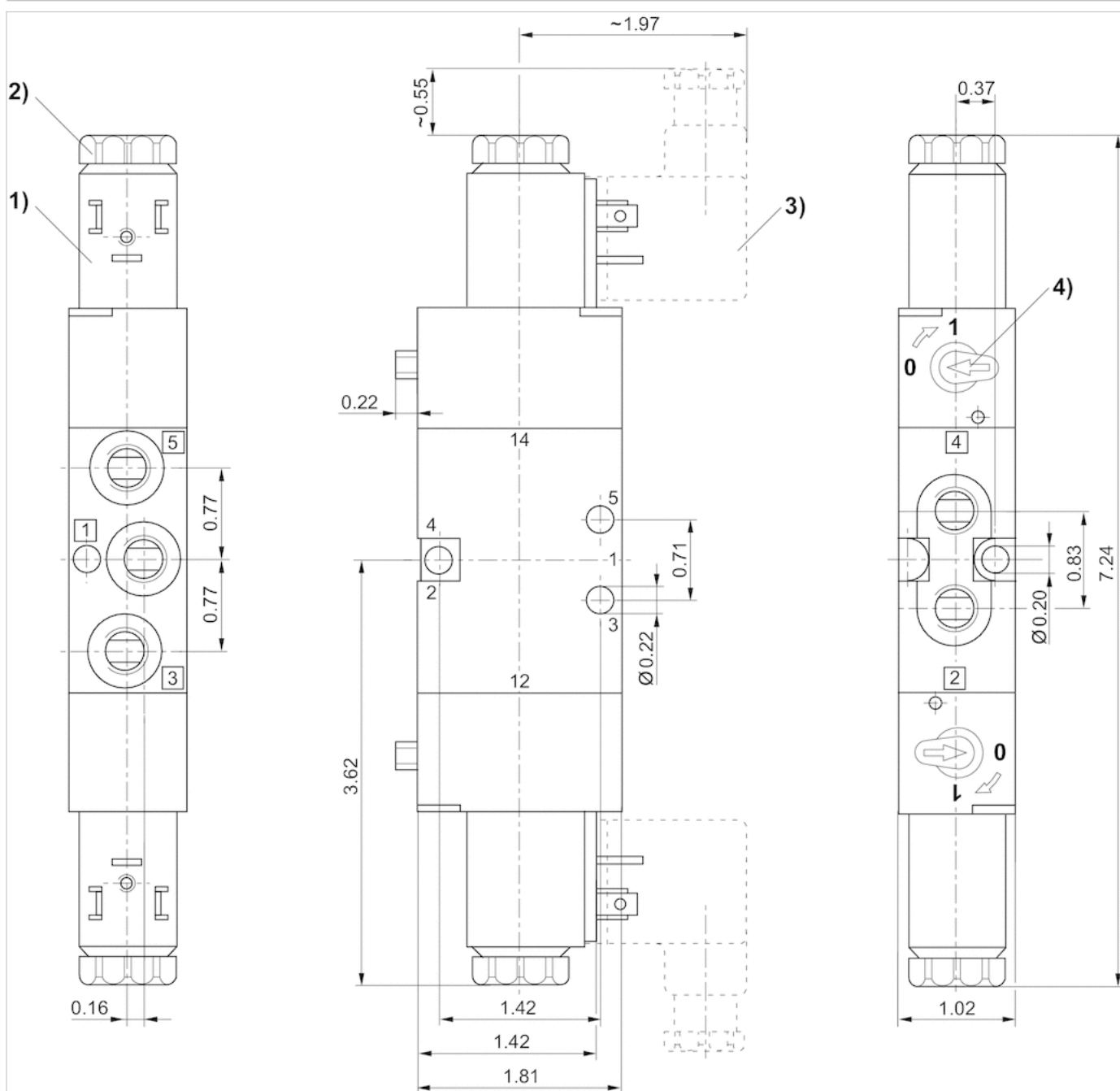
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions in inches



1) Coil can be rotated at 90° intervals 2) After removal of cap M5 internal thread 3) Valve plug connector can be plugged at 180° intervals 4) Manual override

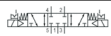
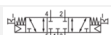
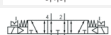
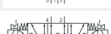
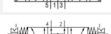
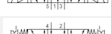
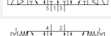
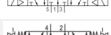
5/3-directional valve, Series CD04

- Qn = 900 l/min
- Pilot valve width : 26 mm
- Pipe connection
- Compressed air connection output : 1/8-27 PTF
- Electrical connection : Plug, EN 175301-803, form B, 3-pin
- Manual override : with detent
- With spring return
- Pilot : internal



Version	Spool valve, positive overlapping
Activation	Electrically
Pilot	internal
Sealing principle	Soft sealing
Working pressure min./max.	3,5 ... 10 bar
Control pressure min./max.	3,5 ... 10 bar
Ambient temperature min./max.	-15 ... 50 °C
Medium temperature min./max.	-15 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m ³
Nominal flow Qn	900 l/min
Nominal flow 1 ► 2	900 l/min
Nominal flow 2 ► 3	900 l/min
Compressed air connection	according to ANSI B1.20.3
Connector standard	EN 175301-803:2006
Protection class, with connection	IP65
Compatibility index	14
Duty cycle	100 %
Typ. switch-on time	12 ms
Typ. switch-off time	27 ms
Mounting on manifold strip	P-strip
Weight	See table below

Technical data

Part No.		MO	Compressed air connection	Compressed air connection
			Input	Output
R412013018			1/8-27 PTF	1/8-27 PTF
R412013019			1/8-27 PTF	1/8-27 PTF
R412013020			1/8-27 PTF	1/8-27 PTF
R412012852			1/8-27 PTF	1/8-27 PTF
R412013015			1/8-27 PTF	1/8-27 PTF
R412013016			1/8-27 PTF	1/8-27 PTF
R412013017			1/8-27 PTF	1/8-27 PTF
R412012861			1/8-27 PTF	1/8-27 PTF
R412013011			1/8-27 PTF	1/8-27 PTF
R412013012			1/8-27 PTF	1/8-27 PTF
R412013014			1/8-27 PTF	1/8-27 PTF
R412012858			1/8-27 PTF	1/8-27 PTF

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Exhaust	Pilot Exhaust	DC
R412013018	1/8-27 PTF	M5	12 V
R412013019	1/8-27 PTF	M5	24 V
R412013020	1/8-27 PTF	M5	-
R412012852	1/8-27 PTF	M5	-
R412013015	1/8-27 PTF	M5	12 V
R412013016	1/8-27 PTF	M5	24 V
R412013017	1/8-27 PTF	M5	-
R412012861	1/8-27 PTF	M5	-
R412013011	1/8-27 PTF	M5	12 V
R412013012	1/8-27 PTF	M5	24 V
R412013014	1/8-27 PTF	M5	-
R412012858	1/8-27 PTF	M5	-

Part No.	Operationalvoltage	Operationalvoltage	Voltage tolerance	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
R412013018	-	-	-10% / +10%	-
R412013019	-	-	-10% / +10%	-
R412013020	110 V	110 V	-	-20% / +10%
R412012852	-	-	-	-
R412013015	-	-	-10% / +10%	-
R412013016	-	-	-10% / +10%	-
R412013017	110 V	110 V	-	-20% / +10%
R412012861	-	-	-	-
R412013011	-	-	-10% / +10%	-
R412013012	-	-	-10% / +10%	-
R412013014	110 V	110 V	-	-20% / +10%
R412012858	-	-	-	-

Part No.	Voltage tolerance	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
R412013018	-	4,6 W	-	-

Part No.	Voltage tolerance	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
R412013019	-	4,8 W	-	-
R412013020	-10% / +20%	-	8,3 VA	7,2 VA
R412012852	-	-	-	-
R412013015	-	4,6 W	-	-
R412013016	-	4,8 W	-	-
R412013017	-10% / +20%	-	8,3 VA	7,2 VA
R412012861	-	-	-	-
R412013011	-	4,6 W	-	-
R412013012	-	4,8 W	-	-
R412013014	-10% / +20%	-	8,3 VA	7,2 VA
R412012858	-	-	-	-

Part No.	Switch-on power	Switch-on power	basic valve with electrical connector	Weight
	AC 50 Hz	AC 60 Hz		
R412013018	-	-	-	0,49 kg
R412013019	-	-	-	0,49 kg
R412013020	10,8 VA	9,5 VA	-	0,49 kg
R412012852	-	-	Basic valve without coil	0,39 kg
R412013015	-	-	-	0,49 kg
R412013016	-	-	-	0,49 kg
R412013017	10,8 VA	9,5 VA	-	0,49 kg
R412012861	-	-	Basic valve without coil	0,39 kg
R412013011	-	-	-	0,49 kg
R412013012	-	-	-	0,49 kg
R412013014	10,8 VA	9,5 VA	-	0,49 kg
R412012858	-	-	Basic valve without coil	0,39 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.

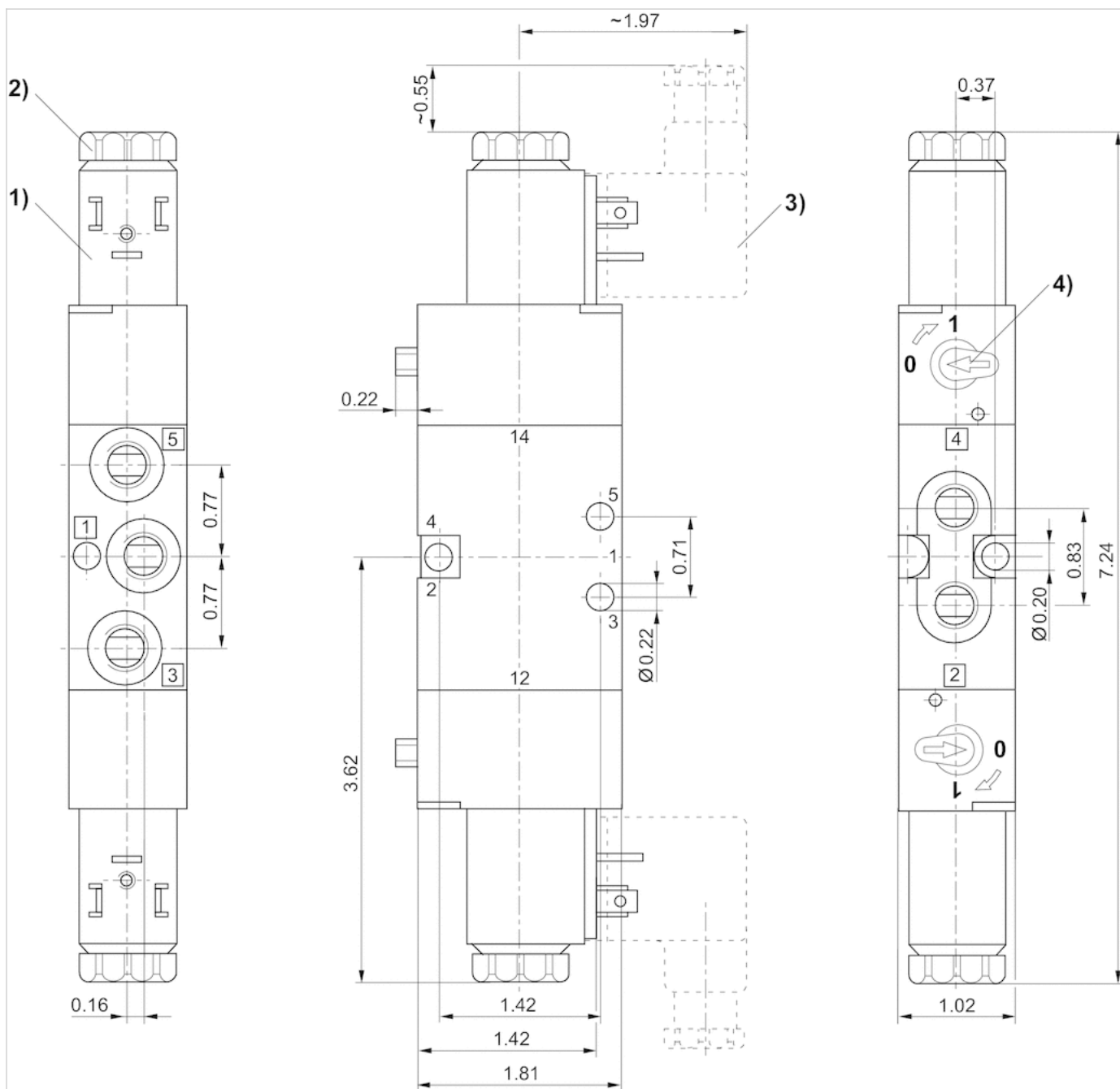
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

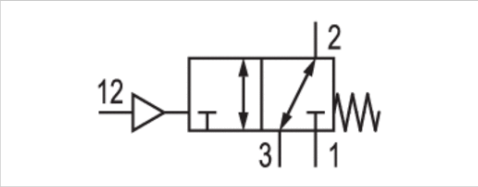
Dimensions in inches



1) Coil can be rotated at 90° intervals 2) After removal of cap M5 internal thread 3) Valve plug connector can be plugged at 180° intervals 4) Manual override

3/2-directional valve, Series CD04

- Qn = 900 l/min
- Compressed air connection output G 1/8
- Single air pilot
- Pipe connection



Version	Spool valve, positive overlapping
Activation	Pneumatically
Sealing principle	Soft sealing
Compressed air connection	according to ISO 228-1
Flow rate value Qn	900 l/min
Working pressure min./max.	-0,95 ... 10 bar
Control pressure min./max.	3,5 ... 10 bar
Ambient temperature min./max.	-15 ... 65 °C
Medium temperature min./max.	-15 ... 65 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Weight	0,29 kg

Technical data

Part No.		Compressed air connection	Compressed air connection
		Input	Output
5710200100	NC, NO	G 1/8	G 1/8

Part No.	Compressed air connection	Compressed air connection
	Exhaust	Pilot control exhaust
5710200100	G 1/8	G 1/8

Nominal flow Qn at 6 bar and Δp = 1 bar

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.

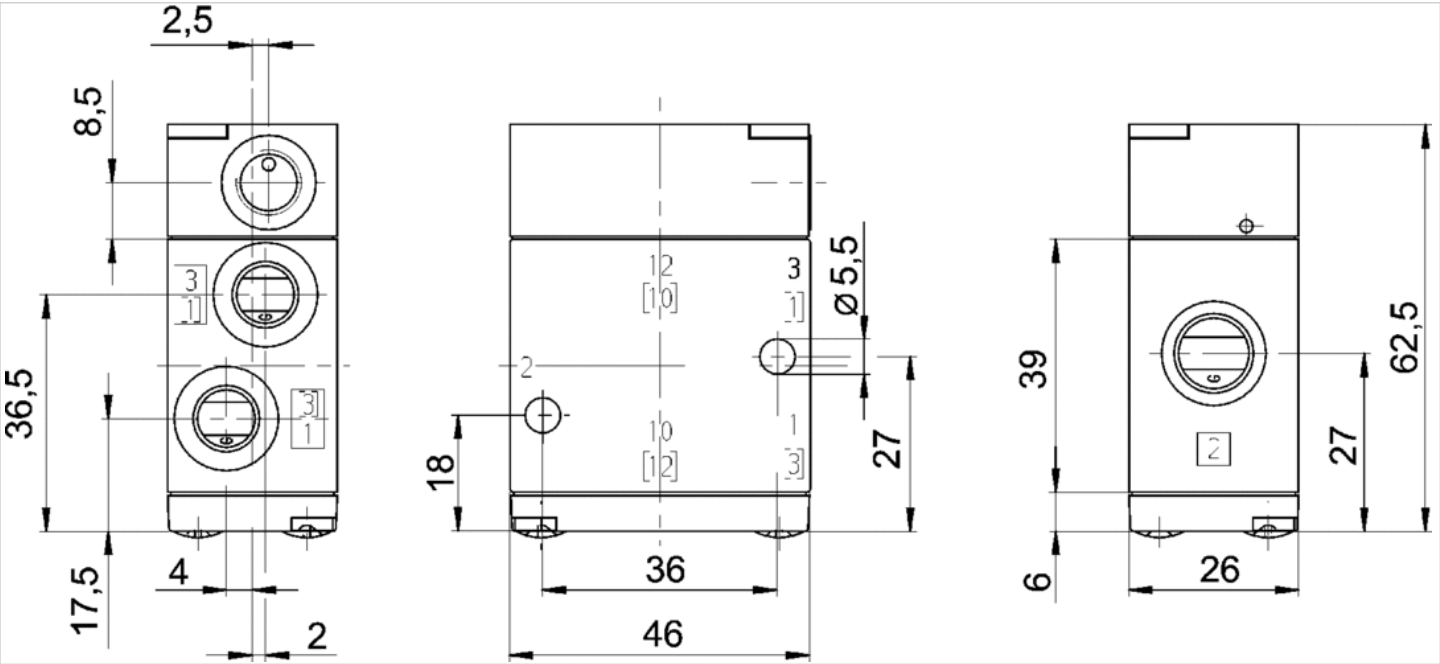
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

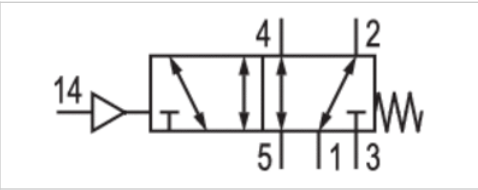
Dimensions

Dimensions



5/2-directional valve, Series CD04

- Qn = 900 l/min
- Compressed air connection output G 1/8
- Single air pilot
- Single air pilot
- Pipe connection



Version	Spool valve, positive overlapping
Activation	Pneumatically
Sealing principle	Soft sealing
Compressed air connection	according to ISO 228-1
Flow rate value Qn	900 l/min
Working pressure min./max.	-0,95 ... 10 bar
Control pressure min./max.	3,5 ... 10 bar
Ambient temperature min./max.	-15 ... 65 °C
Medium temperature min./max.	-15 ... 65 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Mounting on manifold strip	P-strip
Weight	0,31 kg

Technical data

Part No.	Compressed air connection	Compressed air connection
	Input	Output
5710300100	G 1/8	G 1/8

Part No.	Compressed air connection	Compressed air connection
	Exhaust	Pilot control exhaust
5710300100	G 1/8	G 1/8

Nominal flow Qn at 6 bar and Δp = 1 bar

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.

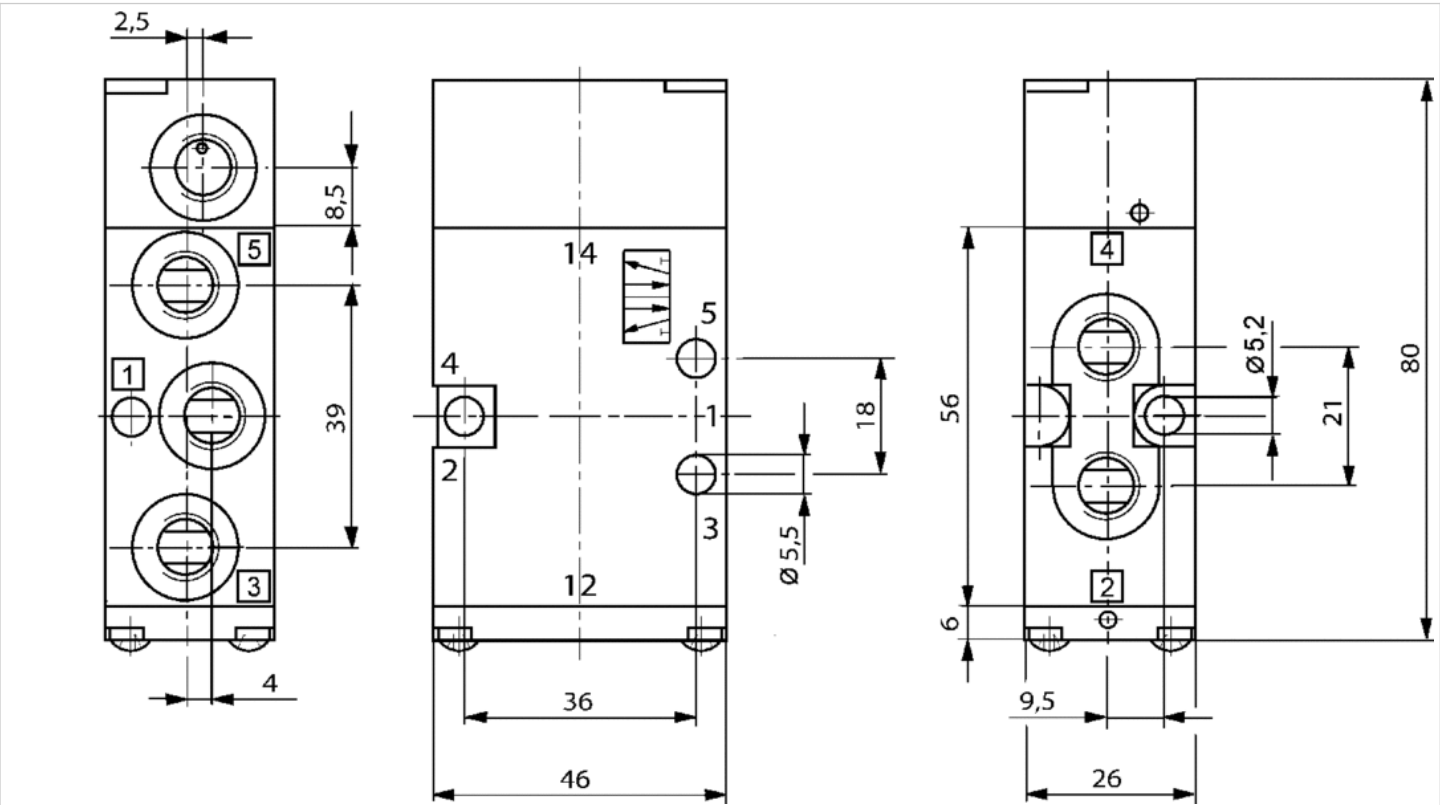
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

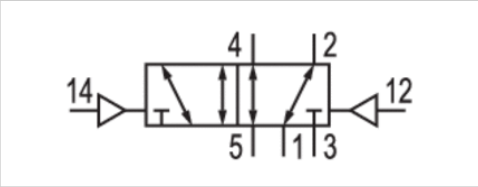
Dimensions

Dimensions



5/2-directional valve, Series CD04

- Qn = 900 l/min
- Compressed air connection output G 1/8
- double air pilot
- Pipe connection



Version	Spool valve, positive overlapping
Activation	Pneumatically
Sealing principle	Soft sealing
Compressed air connection	according to ISO 228-1
Flow rate value Qn	900 l/min
Working pressure min./max.	-0,95 ... 10 bar
Control pressure min./max.	2 ... 10 bar
Ambient temperature min./max.	-15 ... 65 °C
Medium temperature min./max.	-15 ... 65 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Mounting on manifold strip	P-strip
Weight	0,3 kg

Technical data

Part No.	Compressed air connection	Compressed air connection
	Input	Output
5710301100	G 1/8	G 1/8

Part No.	Compressed air connection	Compressed air connection
	Exhaust	Pilot control exhaust
5710301100	G 1/8	G 1/8

Nominal flow Qn at 6 bar and Δp = 1 bar

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.

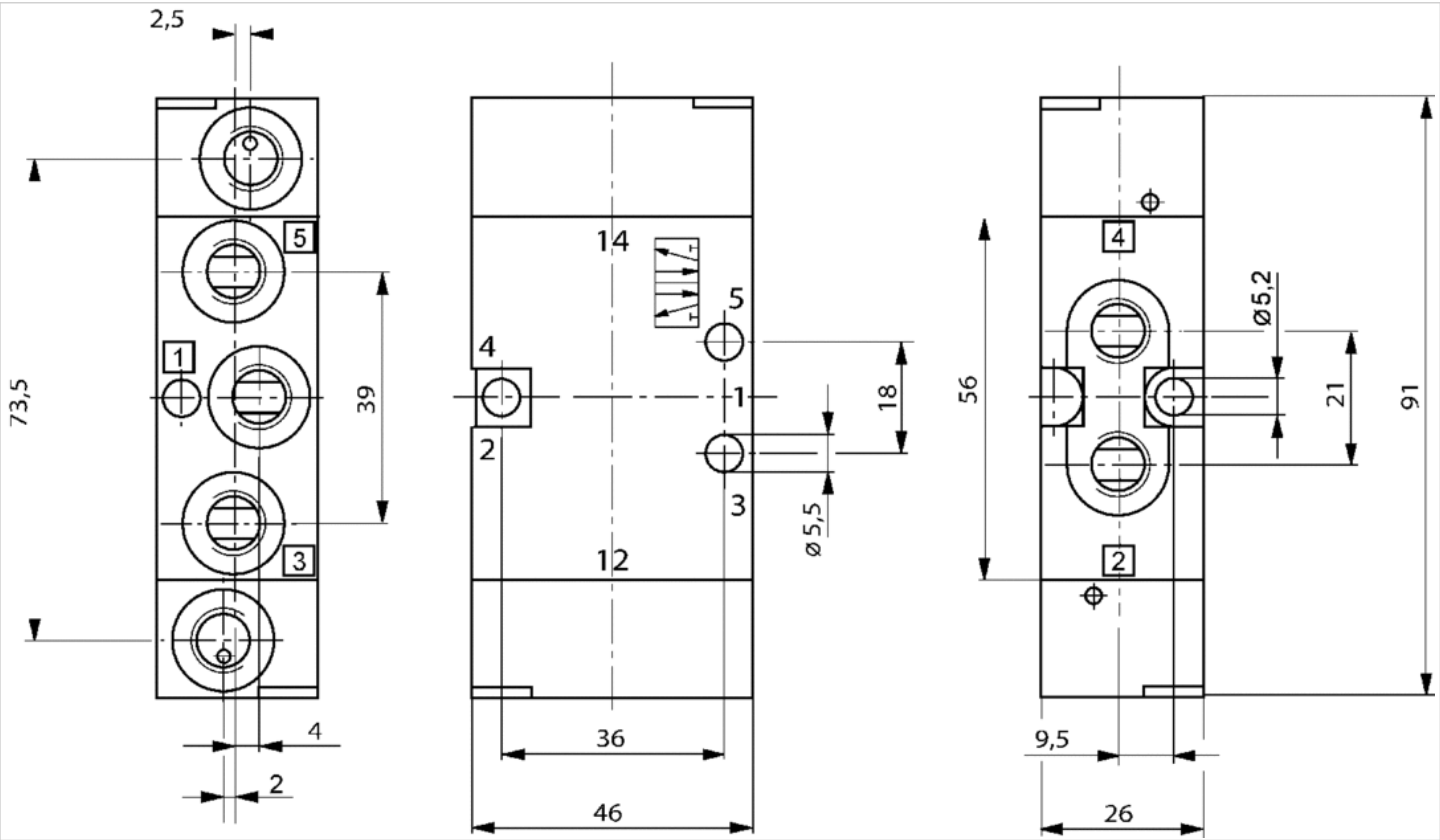
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions

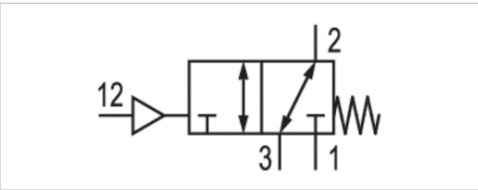


3/2-directional valve, Series CD04

- Qn = 900 l/min
- Compressed air connection output M10x1
- Single air pilot
- Pipe connection



Version	Spool valve, positive overlapping
Activation	Pneumatically
Sealing principle	Soft sealing
Flow rate value Qn	900 l/min
Working pressure min./max.	-0,95 ... 10 bar
Control pressure min./max.	3,5 ... 10 bar
Ambient temperature min./max.	-15 ... 65 °C
Medium temperature min./max.	-15 ... 65 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Weight	0,29 kg



Technical data

Part No.		Compressed air connection	Compressed air connection
		Input	Output
R412005941	NC, NO	M10x1	M10x1

Part No.	Compressed air connection	Compressed air connection
	Exhaust	Pilot control exhaust
R412005941	M10x1	M10x1

Nominal flow Qn at 6 bar and Δp = 1 bar

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.

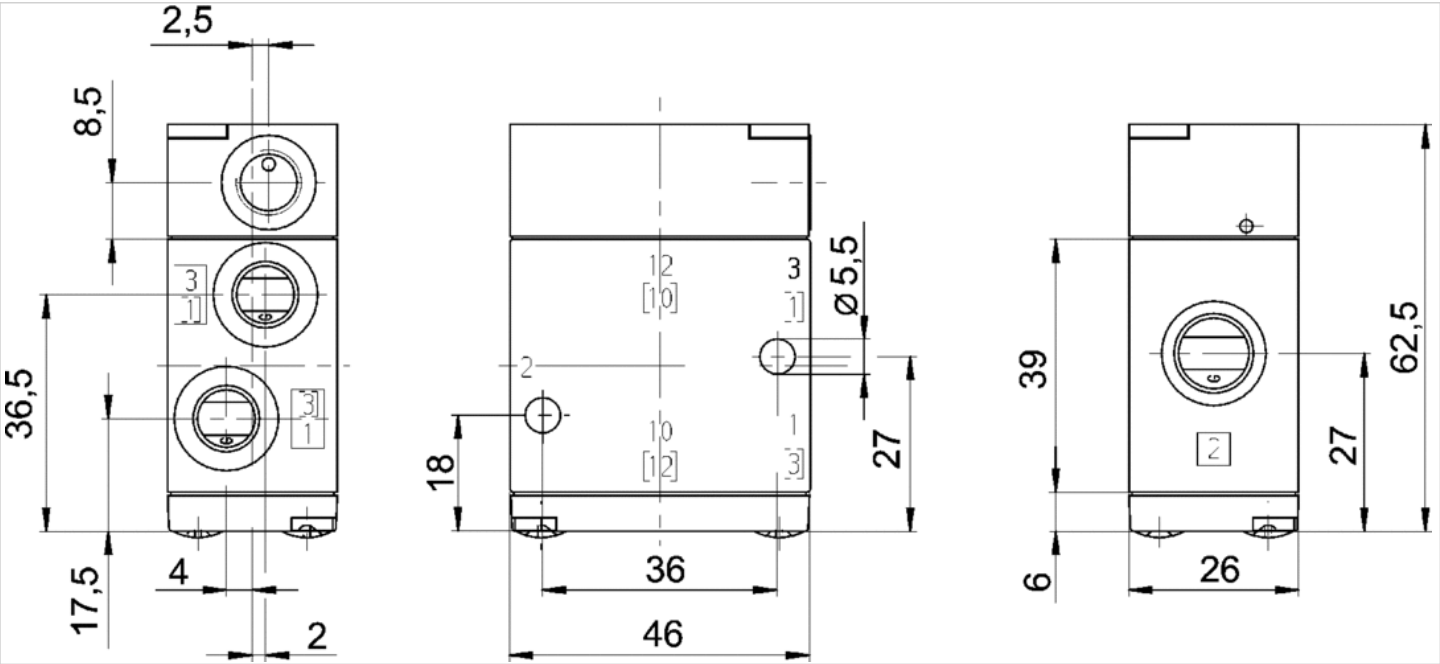
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

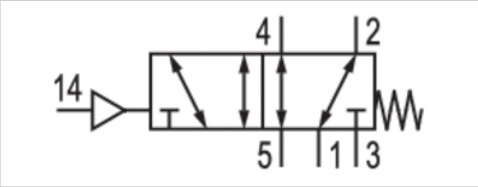
Dimensions

Dimensions



5/2-directional valve, Series CD04

- Qn = 900 l/min
- Compressed air connection output M10x1
- Single air pilot
- Pipe connection



Version	Spool valve, positive overlapping
Activation	Pneumatically
Sealing principle	Soft sealing
Flow rate value Qn	900 l/min
Working pressure min./max.	-0,95 ... 10 bar
Control pressure min./max.	3,5 ... 10 bar
Ambient temperature min./max.	-15 ... 65 °C
Medium temperature min./max.	-15 ... 65 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Mounting on manifold strip	P-strip
Weight	0,31 kg

Technical data

Part No.	Compressed air connection	Compressed air connection
	Input	Output
R412012543	M10x1	M10x1

Part No.	Compressed air connection	Compressed air connection
	Exhaust	Pilot control exhaust
R412012543	M10x1	M10x1

Nominal flow Qn at 6 bar and Δp = 1 bar

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.

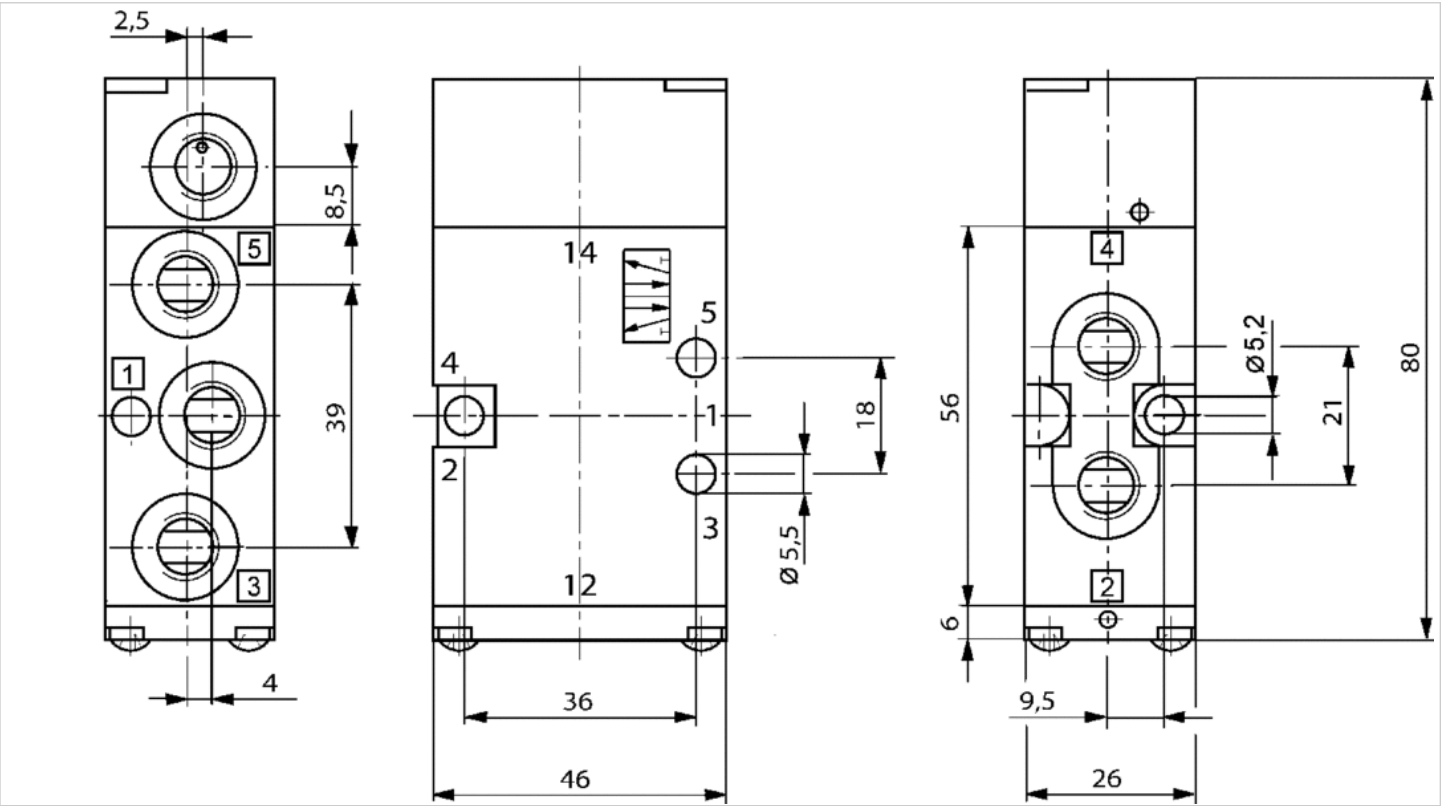
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

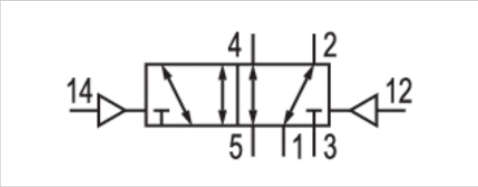
Dimensions

Dimensions



5/2-directional valve, Series CD04

- Qn = 900 l/min
- Compressed air connection output M10x1
- double air pilot
- Pipe connection



Version	Spool valve, positive overlapping
Activation	Pneumatically
Sealing principle	Soft sealing
Flow rate value Qn	900 l/min
Working pressure min./max.	-0,95 ... 10 bar
Control pressure min./max.	2 ... 10 bar
Ambient temperature min./max.	-15 ... 65 °C
Medium temperature min./max.	-15 ... 65 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Mounting on manifold strip	P-strip
Weight	0,3 kg

Technical data

Part No.	Compressed air connection	Compressed air connection
	Input	Output
R412008116	M10x1	M10x1

Part No.	Compressed air connection	Compressed air connection
	Exhaust	Pilot control exhaust
R412008116	M10x1	M10x1

Nominal flow Qn at 6 bar and Δp = 1 bar

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.

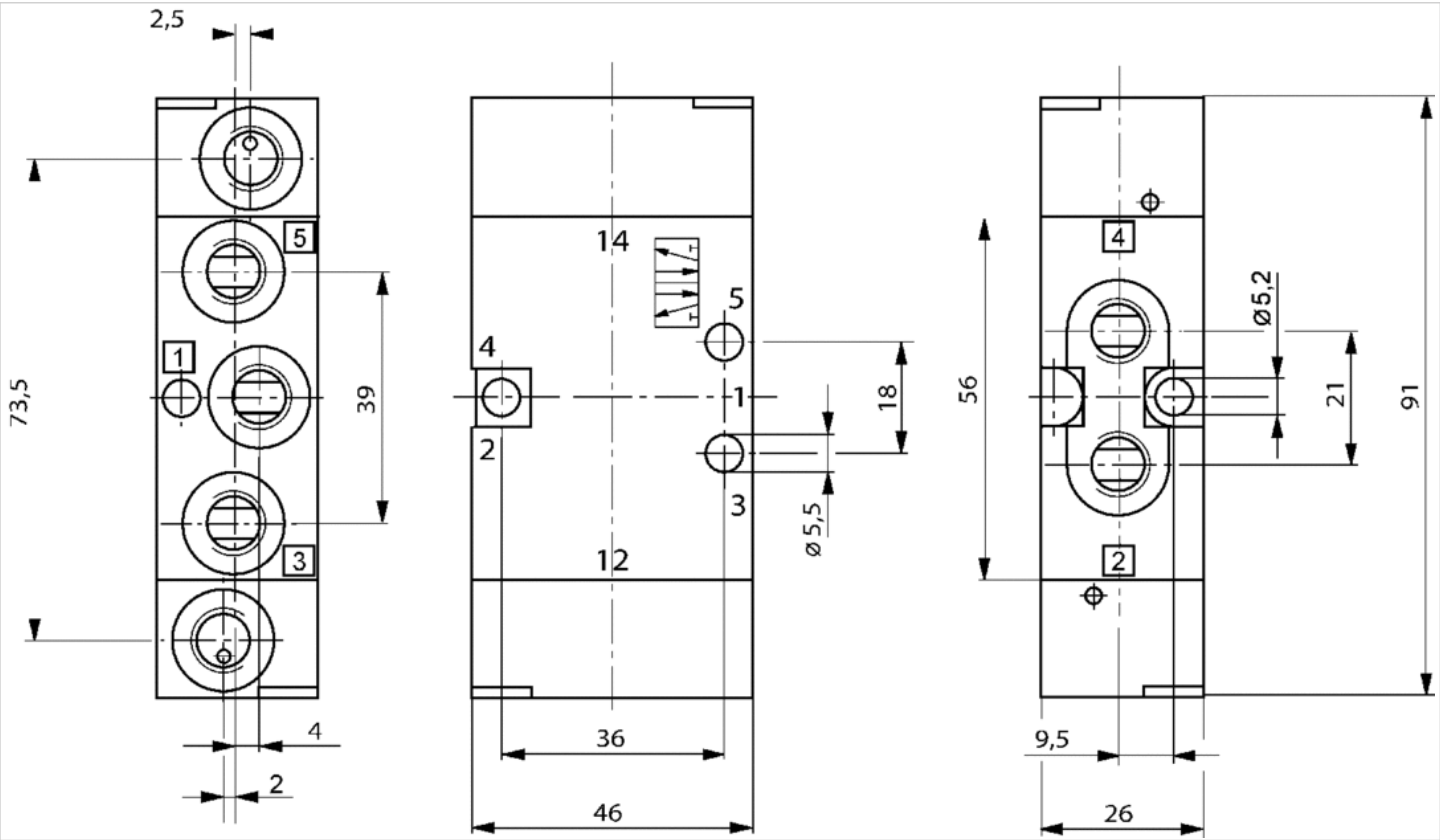
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

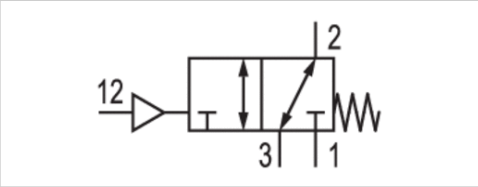
Dimensions

Dimensions



3/2-directional valve, Series CD04

- Qn = 900 l/min
- Compressed air connection output 1/8-27 NPTF
- Single air pilot
- Pipe connection



Version	Spool valve, positive overlapping
Activation	Pneumatically
Sealing principle	Soft sealing
Compressed air connection	according to ANSI B1.20.3
Flow rate value Qn	900 l/min
Working pressure min./max.	-0,95 ... 10 bar
Control pressure min./max.	3,5 ... 10 bar
Ambient temperature min./max.	-15 ... 65 °C
Medium temperature min./max.	-15 ... 65 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Weight	0,29 kg

Technical data

Part No.		Compressed air connection	Compressed air connection
		Input	Output
R412013298	NC, NO	1/8-27 NPTF	1/8-27 NPTF

Part No.	Compressed air connection	Compressed air connection
	Exhaust	Pilot control exhaust
R412013298	1/8-27 NPTF	1/8-27 NPTF

Nominal flow Qn at 6 bar and Δp = 1 bar

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.

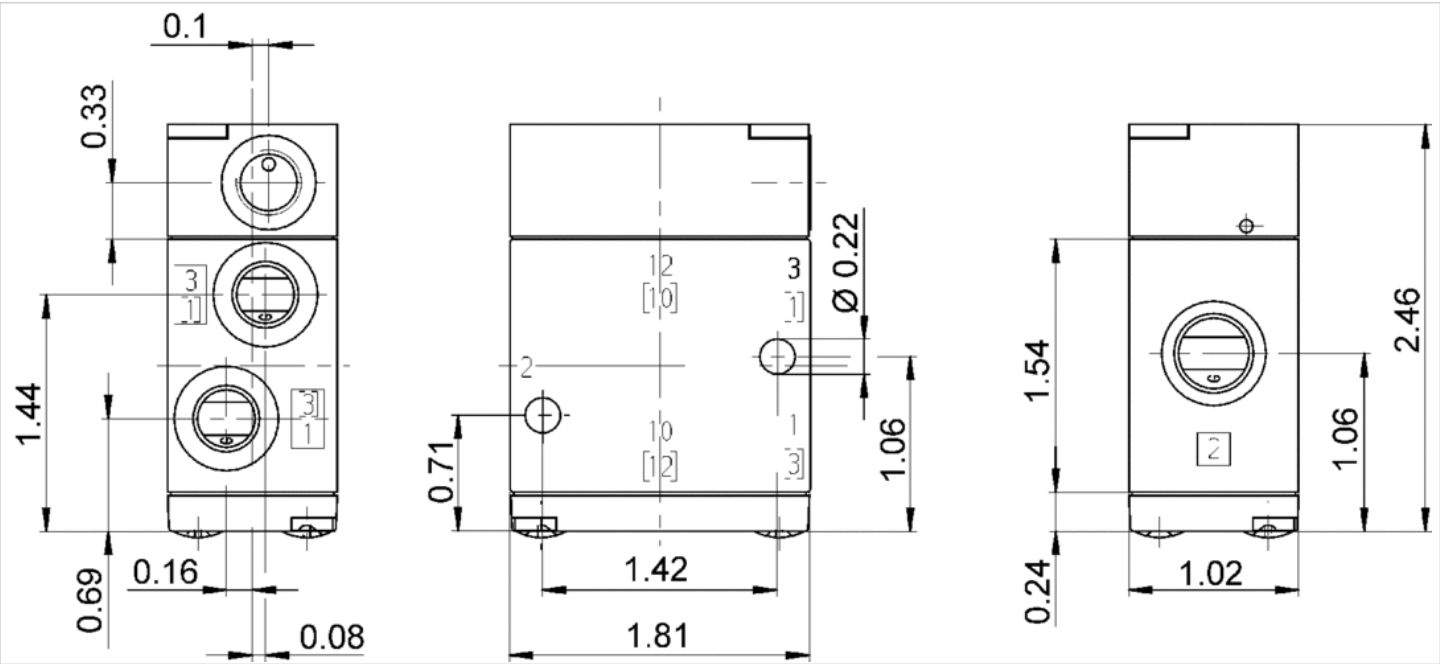
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

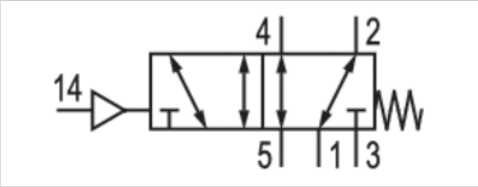
Dimensions

Dimensions in inches



5/2-directional valve, Series CD04

- Qn = 900 l/min
- Compressed air connection output 1/8-27 NPTF
- Single air pilot
- Pipe connection



Version	Spool valve, positive overlapping
Activation	Pneumatically
Sealing principle	Soft sealing
Compressed air connection	according to ANSI B1.20.3
Flow rate value Qn	900 l/min
Working pressure min./max.	-0,95 ... 10 bar
Control pressure min./max.	3,5 ... 10 bar
Ambient temperature min./max.	-15 ... 65 °C
Medium temperature min./max.	-15 ... 65 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Mounting on manifold strip	P-strip
Weight	0,31 kg

Technical data

Part No.	Compressed air connection	Compressed air connection
	Input	Output
R412013299	1/8-27 NPTF	1/8-27 NPTF

Part No.	Compressed air connection	Compressed air connection
	Exhaust	Pilot control exhaust
R412013299	1/8-27 NPTF	1/8-27 NPTF

Nominal flow Qn at 6 bar and Δp = 1 bar

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.

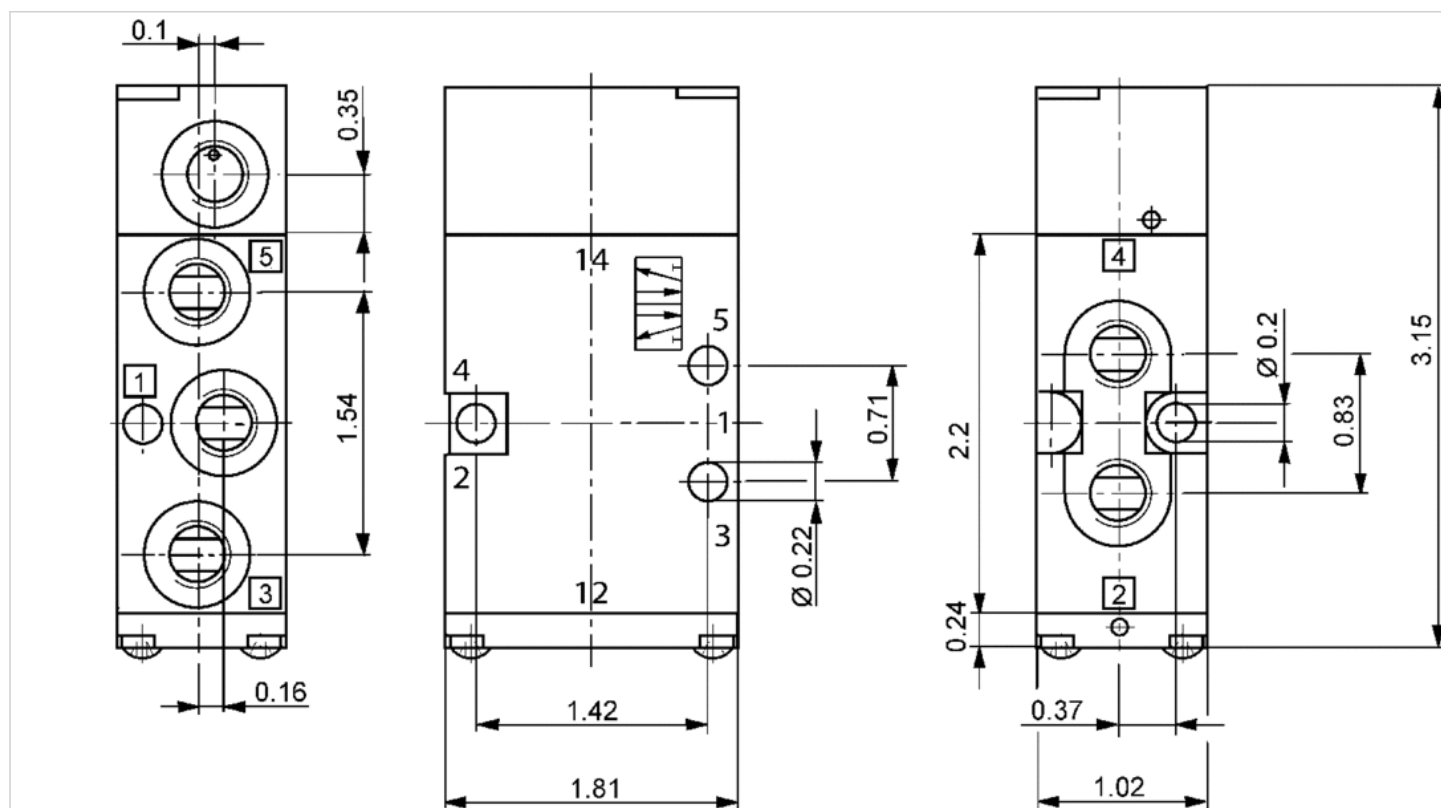
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

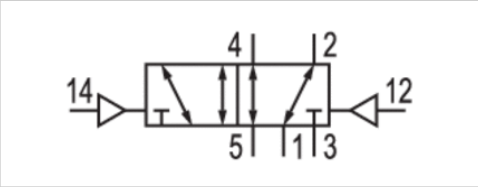
Dimensions

Dimensions in inches



5/2-directional valve, Series CD04

- Qn = 900 l/min
- Compressed air connection output 1/8-27 NPTF
- double air pilot
- Pipe connection



Version	Spool valve, positive overlapping
Activation	Pneumatically
Sealing principle	Soft sealing
Compressed air connection	according to ANSI B1.20.3
Flow rate value Qn	900 l/min
Working pressure min./max.	-0,95 ... 10 bar
Control pressure min./max.	2 ... 10 bar
Ambient temperature min./max.	-15 ... 65 °C
Medium temperature min./max.	-15 ... 65 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Mounting on manifold strip	P-strip
Weight	0,3 kg

Technical data

Part No.	Compressed air connection	Compressed air connection
	Input	Output
R412013300	1/8-27 NPTF	1/8-27 NPTF

Part No.	Compressed air connection	Compressed air connection
	Exhaust	Pilot control exhaust
R412013300	1/8-27 NPTF	1/8-27 NPTF

Nominal flow Qn at 6 bar and Δp = 1 bar

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.

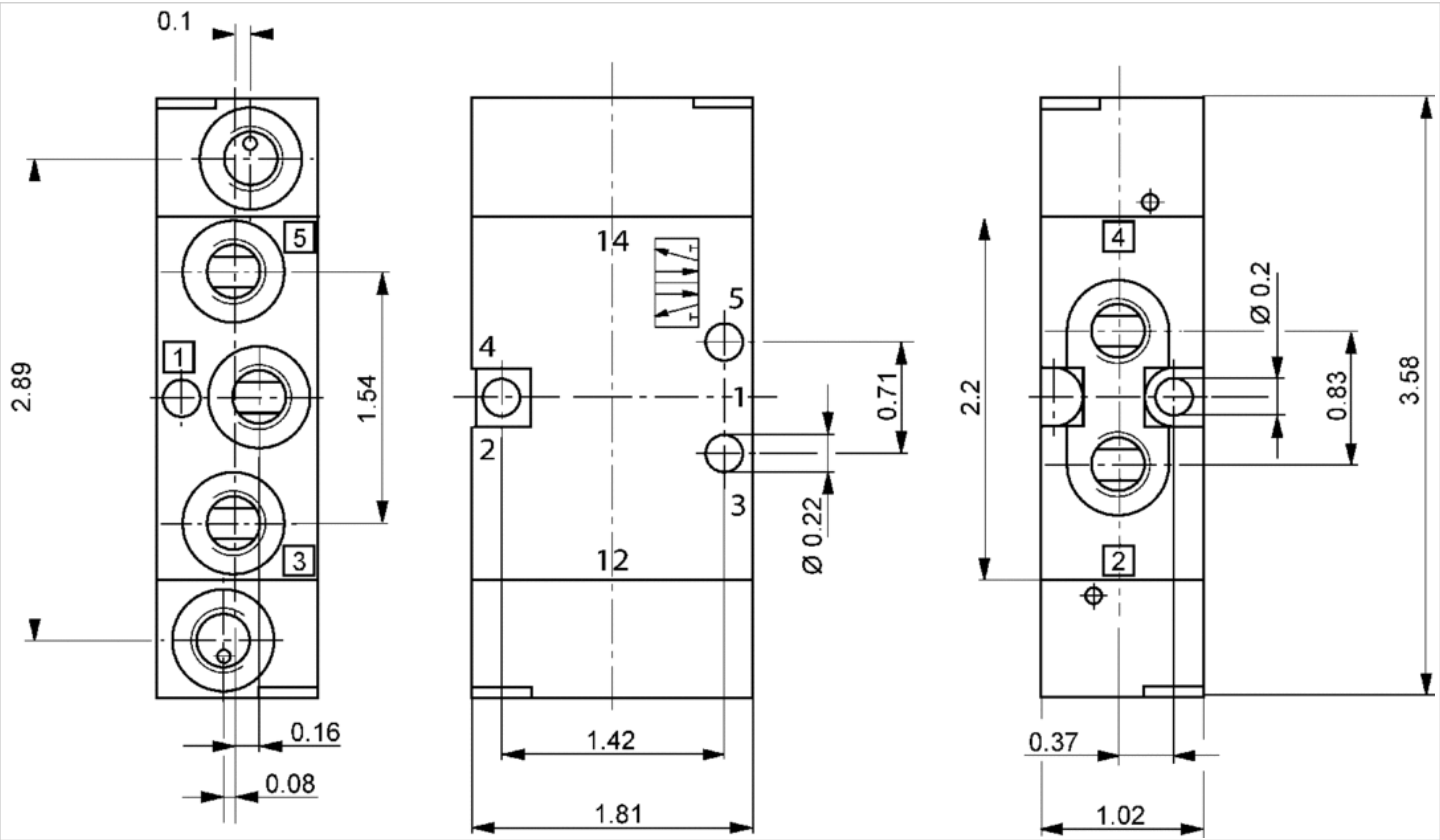
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions in inches



3/2-directional valve, Series CD04

- Qn = 900 l/min
- Compressed air connection output G 1/8
- single solenoid
- Pipe connection



Version	Spool valve, positive overlapping
Activation	Mechanical
Switching principle	3/2
Sealing principle	Soft sealing
Nominal flow Qn	900 l/min
Compressed air connection	according to ISO 228-1
Working pressure min./max.	-0,95 ... 10 bar
Ambient temperature min./max.	-20 ... 65 °C
Medium temperature min./max.	-20 ... 65 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Weight	See table below

Technical data

Part No.		Actuating element	Version
5634000100		Plunger	NC, NO
5634010100		Roller	NC, NO
5634030100		Hand lever, with detent, without detent	NC, NO
5634040100		Hand lever	NC, NO
5634050100		Rotary lever, with detent	NC, NO
5634060100		Button	NC, NO

Part No.	Compressed air connection	
	Input	Output
5634000100	G 1/8	G 1/8
5634010100	G 1/8	G 1/8
5634030100	G 1/8	G 1/8
5634040100	G 1/8	G 1/8
5634050100	G 1/8	G 1/8
5634060100	G 1/8	G 1/8

Part No.	Compressed air connection		Material actuating control	Weight
	Exhaust	Operating force min.		
5634000100	G 1/8	60 N	Stainless steel	0,23 kg
5634010100	G 1/8	30 N	Polyoxymethylene	0,29 kg
5634030100	G 1/8	15 N	Polyoxymethylene	0,32 kg
5634040100	G 1/8	15 N	-	0,29 kg
5634050100	G 1/8	15 N	Plastic, Stainless steel	0,5 kg
5634060100	G 1/8	60 N	Polyoxymethylene	0,25 kg

Part No.	Fig.
5634000100	Fig. 1
5634010100	Fig. 2
5634030100	Fig. 3
5634040100	Fig. 4
5634050100	Fig. 5
5634060100	Fig. 6

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

Technical information

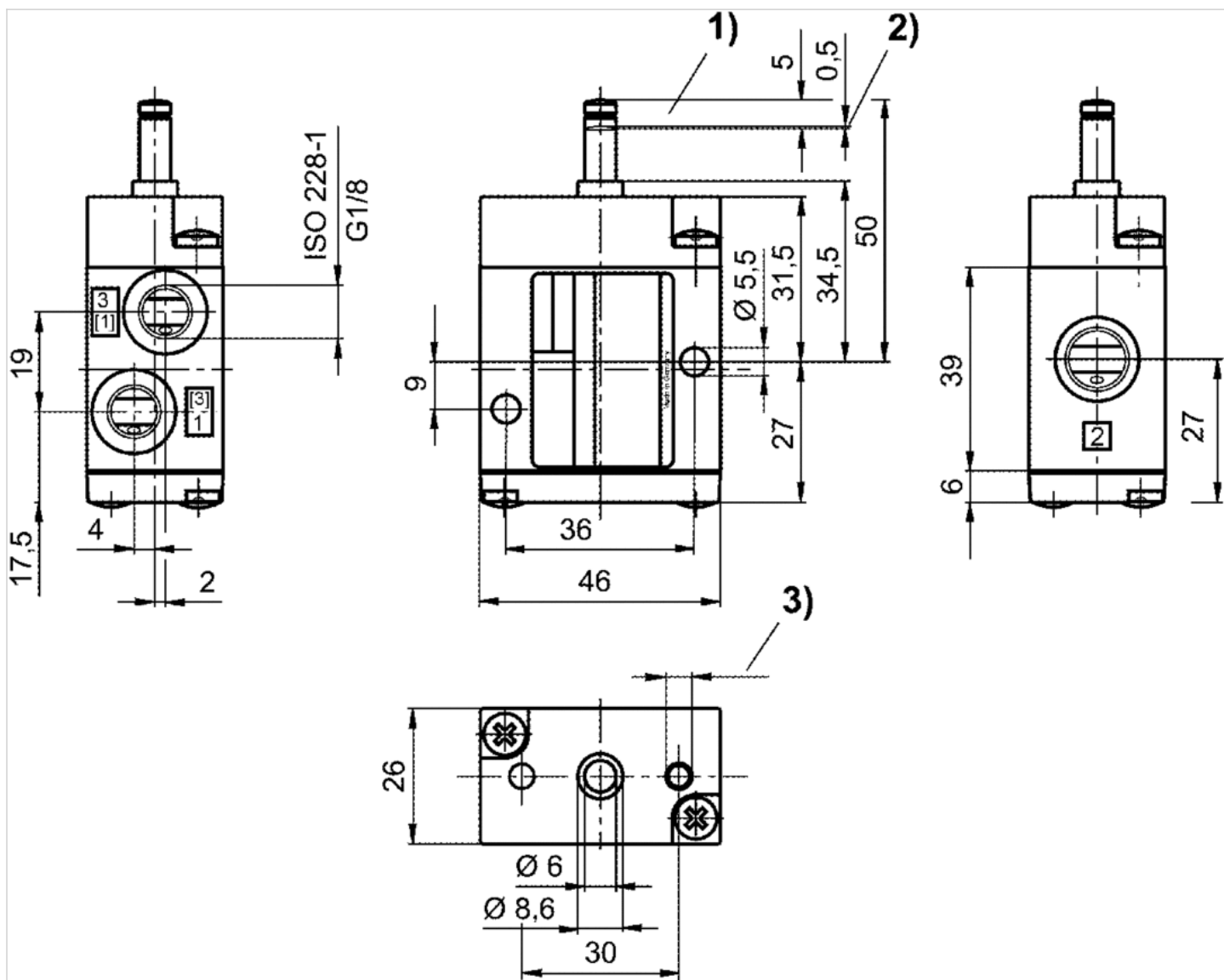
option valve: The input and output compressed air connections can be exchanged. The valve can thereby be used in the NC or NO operating mode.

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber
Actuating element	Stainless steel, Polyoxymethylene, Plastic, Stainless steel

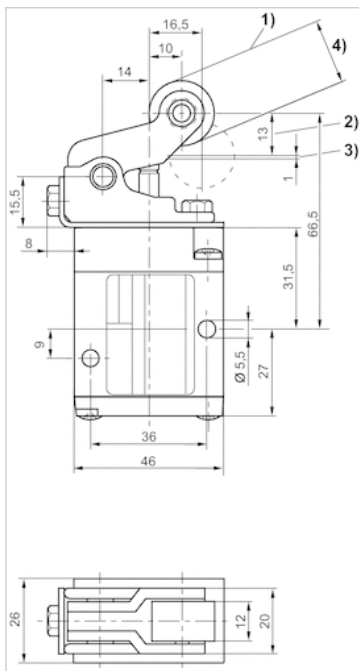
Dimensions

Dimensions Fig. 1



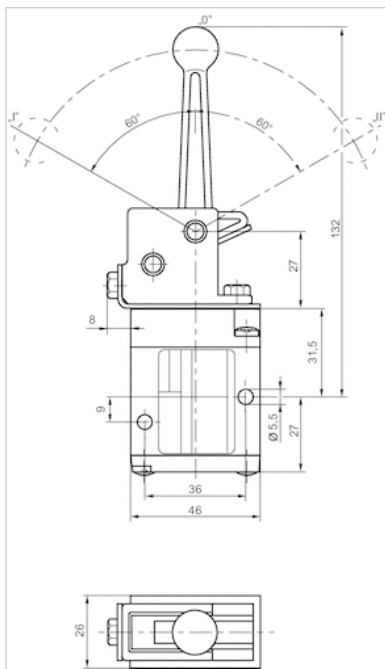
1) Stroke 2) Overstroke 3) Ø 4.5 - 12 mm deep

Dimensions Fig. 2



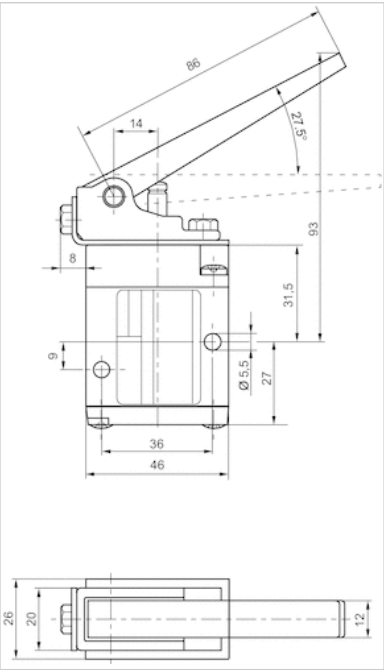
- 1) approach angle of rollers max. 30° 2) stroke 3) overstroke
 4) 5634010100: Ø20 (POM) / R412008117: Ø19 (ST)

Dimensions Fig. 3

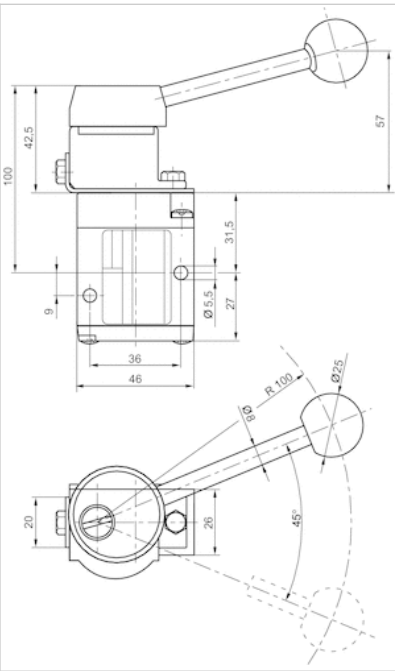


Position 0: initial position, position I: with detent; manual return, position II: automatic spring return.

Dimensions Fig. 4

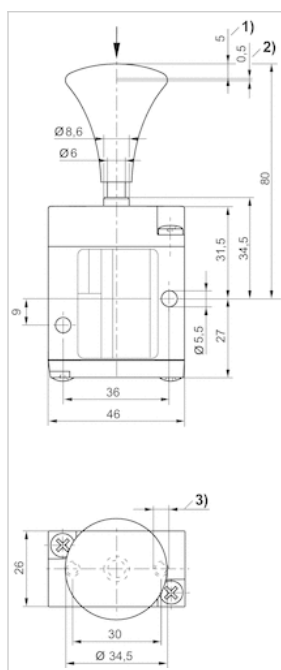


Dimensions Fig. 5



Dimensions of basic valve apply to all types of actuation.

Dimensions Fig. 6



1) Stroke 2) Overstroke 3) Ø 4.5 - 12 mm deep

5/2-directional valve, Series CD04

- Qn = 900 l/min
- Compressed air connection output G 1/8
- single solenoid
- Pipe connection



Version	Spool valve, positive overlapping
Activation	Mechanical
Lock type	not lockable
Switching principle	5/2
Sealing principle	Soft sealing
Nominal flow Qn	900 l/min
Compressed air connection	according to ISO 228-1
Working pressure min./max.	-0,95 ... 10 bar
Ambient temperature min./max.	-20 ... 65 °C
Medium temperature min./max.	-20 ... 65 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Weight	See table below

Technical data

Part No.		Actuating element	Compressed air connection	
			Input	
5634200100		Plunger	G 1/8	
5634210100		Roller	G 1/8	
5634230100		Hand lever, with detent, without detent	G 1/8	
5634240100		Hand lever	G 1/8	
5634250100		Rotary lever, with detent	G 1/8	
5634260100		Button	G 1/8	

Part No.	Compressed air connection		Operating force
	Output	Exhaust	
5634200100	G 1/8	G 1/8	70 N
5634210100	G 1/8	G 1/8	35 N
5634230100	G 1/8	G 1/8	15 N
5634240100	G 1/8	G 1/8	60 N
5634250100	G 1/8	G 1/8	20 N
5634260100	G 1/8	G 1/8	70 N

Part No.	Material actuating control	Weight	Fig.
5634200100	Stainless steel	0,3 kg	Fig. 1
5634210100	Polyoxymethylene	0,35 kg	Fig. 2
5634230100	Polyoxymethylene	0,38 kg	Fig. 3
5634240100	Aluminum	0,31 kg	Fig. 4
5634250100	Plastic, Stainless steel	0,56 kg	Fig. 5
5634260100	Polyoxymethylene	0,32 kg	Fig. 6

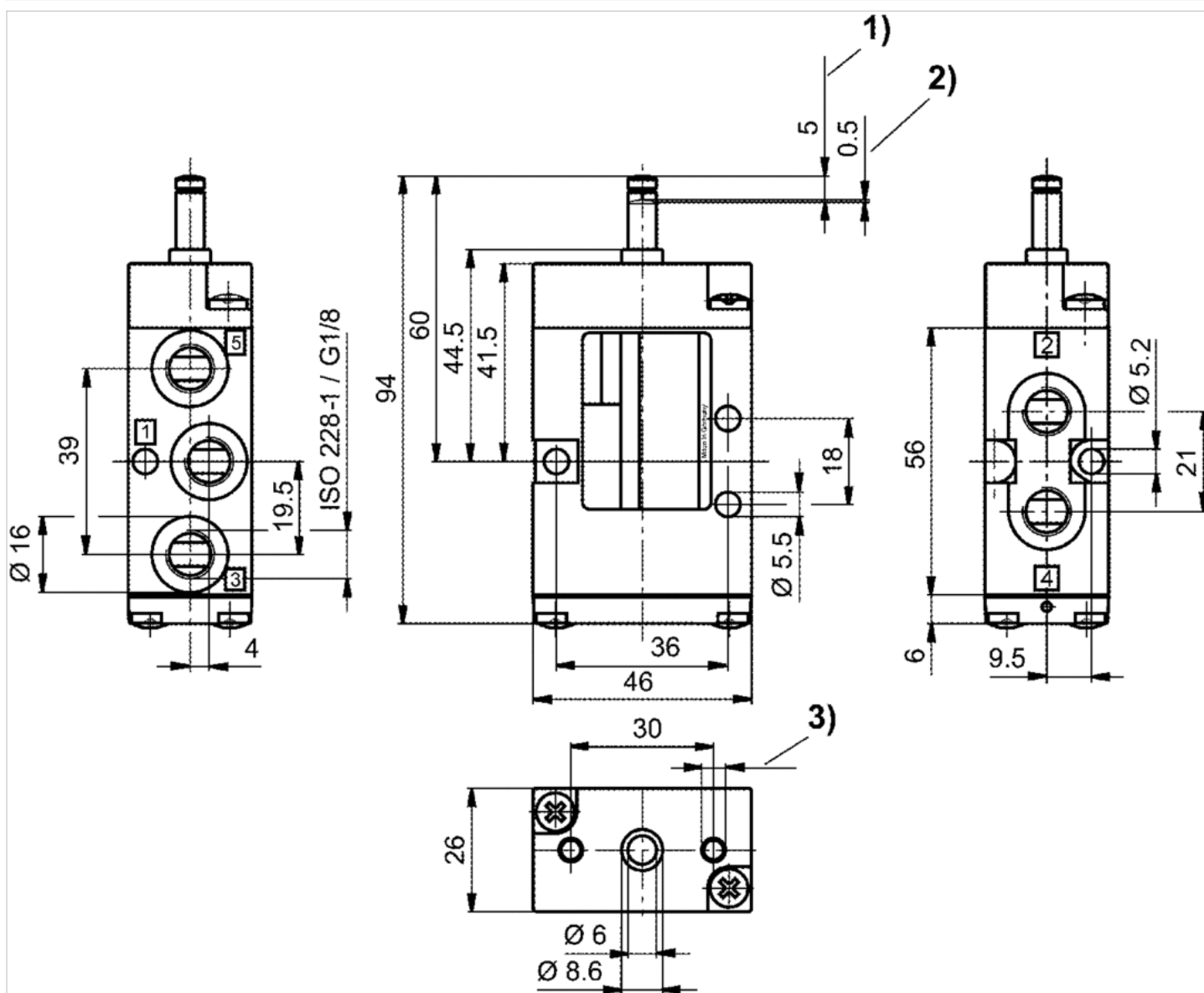
Nominal flow Q_n at 6 bar and $\Delta p = 1$ bar

Technical information

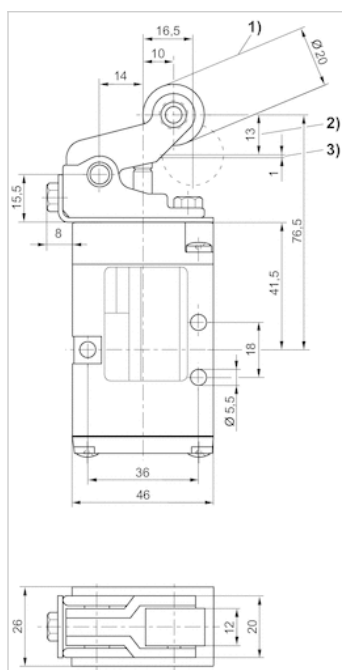
Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber
Actuating element	Stainless steel, Polyoxymethylene, Aluminum, Plastic, Stainless steel

Dimensions

Dimensions Fig. 1

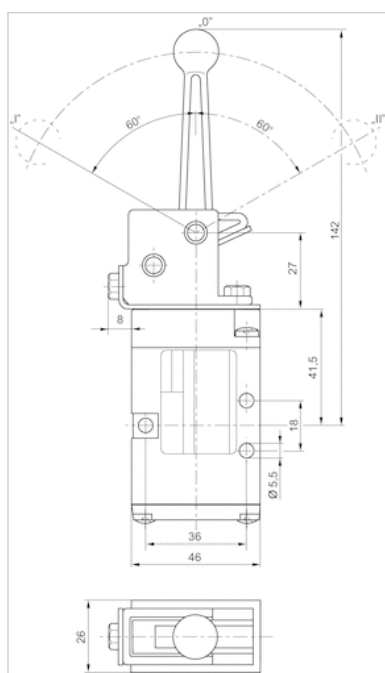
1) Stroke 2) Overstroke 3) $\varnothing 4.5 - 12$ mm deep

Dimensions Fig. 2



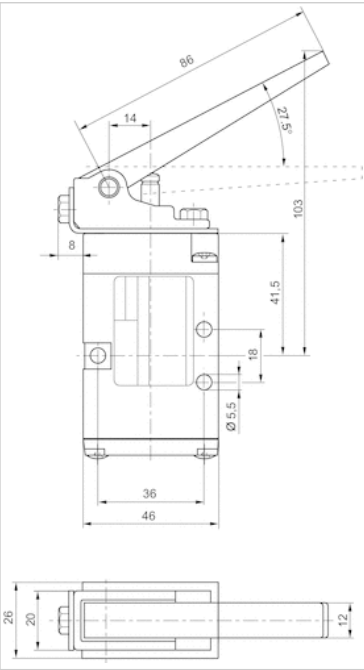
1) approach angle of rollers max. 30° 2) stroke 3) overstroke

Dimensions Fig. 3



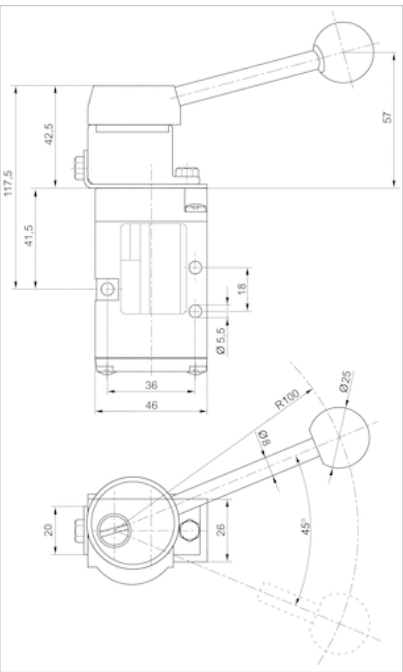
Position 0: initial position, position I: with detent; manual return, position II: automatic spring return.

Dimensions Fig. 4

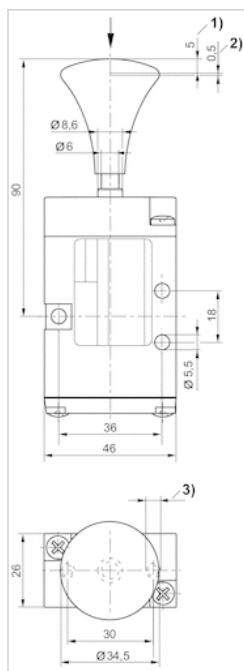


Dimensions of basic valve apply to all types of actuation.

Dimensions Fig. 5



Dimensions Fig. 6



1) Stroke 2) Overstroke 3) Ø 4.5 - 12 mm deep

3/2-directional valve, Series CD04 - inch

- Qn = 900 l/min
- Compressed air connection output 1/8-27 NPTF
- single solenoid
- Pipe connection



Version	Spool valve, positive overlapping
Activation	Mechanical
Switching principle	3/2
Sealing principle	Soft sealing
Nominal flow Qn	900 l/min
Compressed air connection	according to ANSI B1.20.3
Working pressure min./max.	-0,95 ... 10 bar
Ambient temperature min./max.	-20 ... 65 °C
Medium temperature min./max.	-20 ... 65 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Weight	See table below

Technical data

Part No.		Actuating element	Version
R412013026		Plunger	NC, NO
R412013021		Roller	NC, NO
R412013022		Roller	NC, NO
R412013025		Hand lever, with detent, without detent	NC, NO
R412013023		Hand lever	NC, NO
R412013024		Rotary lever, with detent	NC, NO
R412013027		Button	NC, NO

Part No.	Compressed air connection	
	Input	Output
R412013026	1/8-27 NPTF	1/8-27 NPTF
R412013021	1/8-27 NPTF	1/8-27 NPTF
R412013022	1/8-27 NPTF	1/8-27 NPTF
R412013025	1/8-27 NPTF	1/8-27 NPTF
R412013023	1/8-27 NPTF	1/8-27 NPTF
R412013024	1/8-27 NPTF	1/8-27 NPTF
R412013027	1/8-27 NPTF	1/8-27 NPTF

Part No.	Compressed air connection		Operating force	Material actuating control	Weight
	Exhaust				
R412013026	1/8-27 NPTF		60 N	Stainless steel	0,23 kg
R412013021	1/8-27 NPTF		30 N	Polyoxymethylene	0,29 kg
R412013022	1/8-27 NPTF		30 N	Stainless steel	0,29 kg
R412013025	1/8-27 NPTF		15 N	Polyoxymethylene	0,32 kg
R412013023	1/8-27 NPTF		15 N	Aluminum	0,29 kg
R412013024	1/8-27 NPTF		15 N	Stainless steel, Plastic	0,5 kg

Part No.	Compressed air connection	Operating force	Material actuating control	Weight
	Exhaust	min.		
R412013027	1/8-27 NPTF	60 N	Polyoxymethylene	0,25 kg

Part No.	Fig.
R412013026	Fig. 1
R412013021	Fig. 2
R412013022	Fig. 2
R412013025	Fig. 3
R412013023	Fig. 4
R412013024	Fig. 5
R412013027	Fig. 6

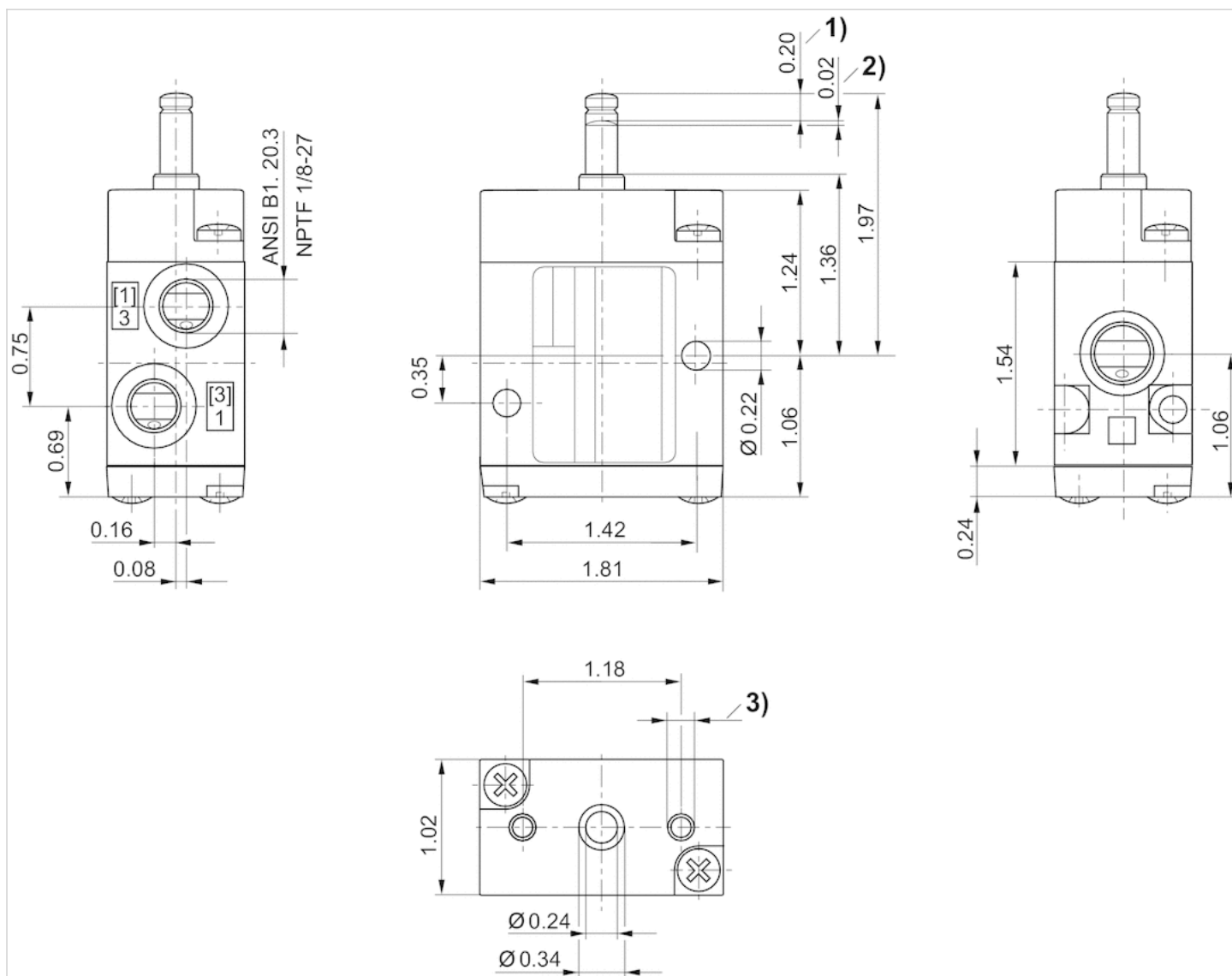
Nominal flow Q_n at 6 bar and $\Delta p = 1$ bar

Technical information

Material	
Actuating element	Stainless steel, Polyoxymethylene, Aluminum, Stainless steel, Plastic

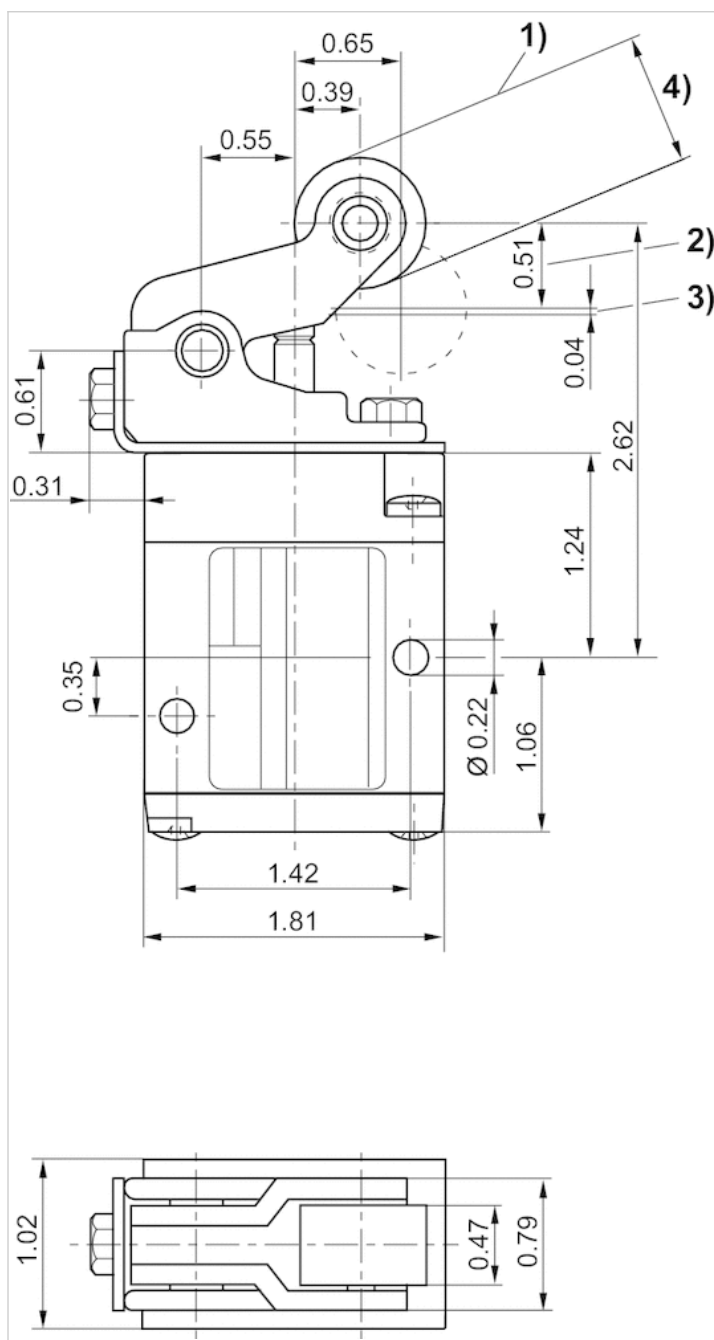
Dimensions

Dimensions in inches Fig. 1 Basic valve



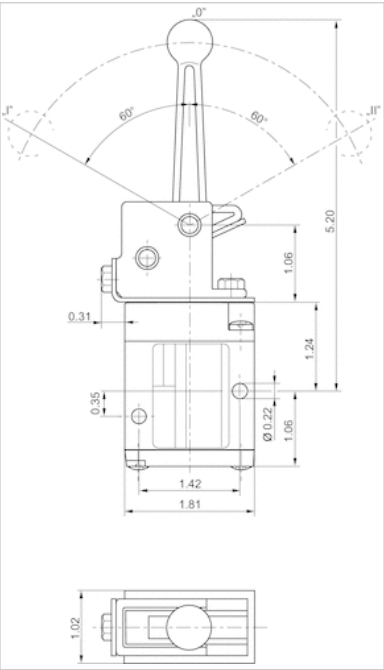
1) Stroke 2) Overstroke 3) Ø 0.18 - 0.47 mm deep

Dimensions in inches Fig. 2



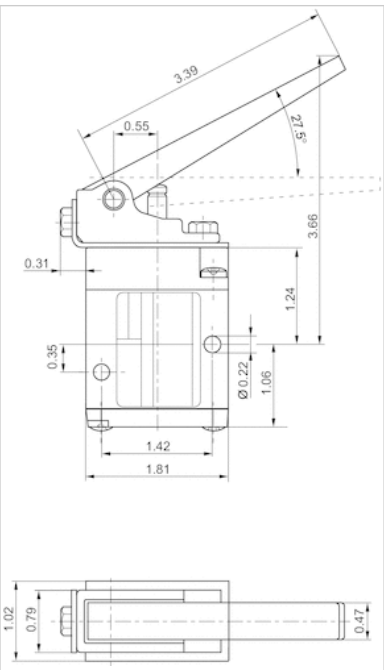
- 1) approach angle of rollers max. 30° 2) stroke 3) overstroke
 4) R412013021: Ø 0,79 (POM) / R412013022: Ø 0,75 (ST)

Dimensions in inches Fig. 3



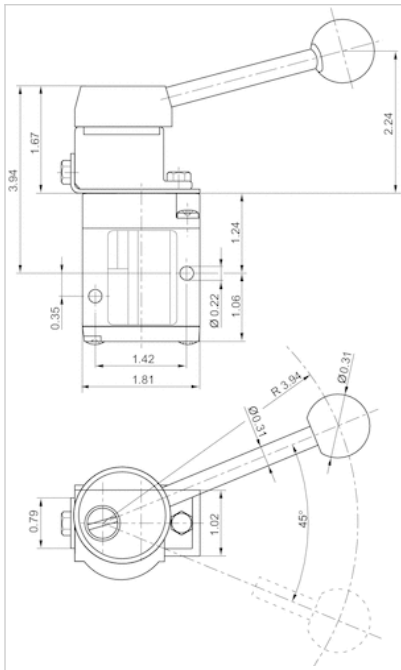
Position 0: initial position, position I: with detent; manual return, position II: automatic spring return.

Dimensions in inches Fig. 4



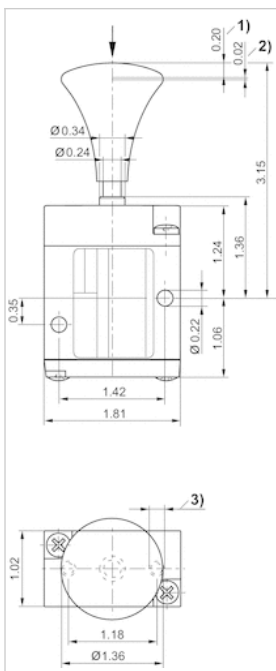
Dimensions of basic valve apply to all types of actuation.

Dimensions in inches Fig. 5



Dimensions of basic valve apply to all types of actuation.

Dimensions in inches Fig. 6



1) Stroke 2) Overstroke 3) $\varnothing$ 0.18 - 0.47 mm deep

5/2-directional valve, Series CD04 - inch

- Qn = 900 l/min
- Compressed air connection output 1/8-27 NPTF
- single solenoid
- Pipe connection



Version	Spool valve, positive overlapping
Activation	Mechanical
Switching principle	5/2
Sealing principle	Soft sealing
Nominal flow Qn	900 l/min
Compressed air connection	according to ANSI B1.20.3
Working pressure min./max.	-0,95 ... 10 bar
Ambient temperature min./max.	-20 ... 65 °C
Medium temperature min./max.	-20 ... 65 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Weight	See table below

Technical data

Part No.		Actuating element	Compressed air connection
			Input
R412013032		Plunger	1/8-27 NPTF
R412013028		Roller	1/8-27 NPTF
R412013031		Hand lever, with detent, without detent	1/8-27 NPTF
R412013029		Hand lever	1/8-27 NPTF
R412013030		Rotary lever, with detent	1/8-27 NPTF
R412013033		Button	1/8-27 NPTF

Part No.	Compressed air connection	Compressed air connection	Operating force
	Output	Exhaust	min.
R412013032	1/8-27 NPTF	1/8-27 NPTF	70 N
R412013028	1/8-27 NPTF	1/8-27 NPTF	35 N
R412013031	1/8-27 NPTF	1/8-27 NPTF	15 N
R412013029	1/8-27 NPTF	1/8-27 NPTF	60 N
R412013030	1/8-27 NPTF	1/8-27 NPTF	20 N
R412013033	1/8-27 NPTF	1/8-27 NPTF	70 N

Part No.	Material actuating control	Weight	Fig.
R412013032	Stainless steel	0,29 kg	Fig. 1
R412013028	Polyoxymethylene	0,35 kg	Fig. 2
R412013031	Polyoxymethylene	0,38 kg	Fig. 3
R412013029	Aluminum	0,36 kg	Fig. 4
R412013030	Stainless steel, Plastic	0,56 kg	Fig. 5
R412013033	Polyoxymethylene	0,32 kg	Fig. 6

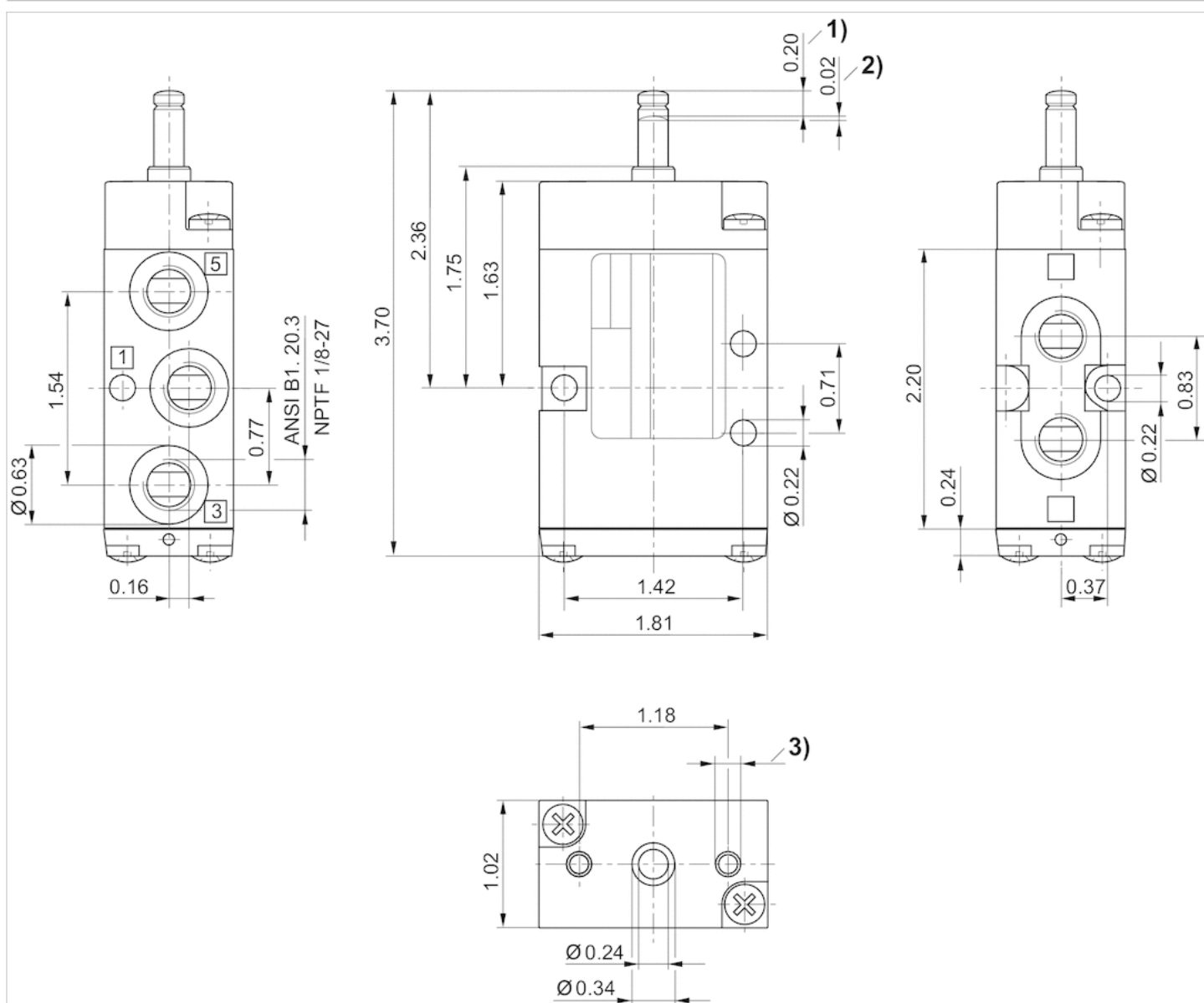
Nominal flow Qn at 6 bar and $\Delta p = 1$ bar

Technical information

Material	
Housing	Die cast zinc, Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber
Actuating element	Stainless steel, Polyoxymethylene, Aluminum, Stainless steel, Plastic

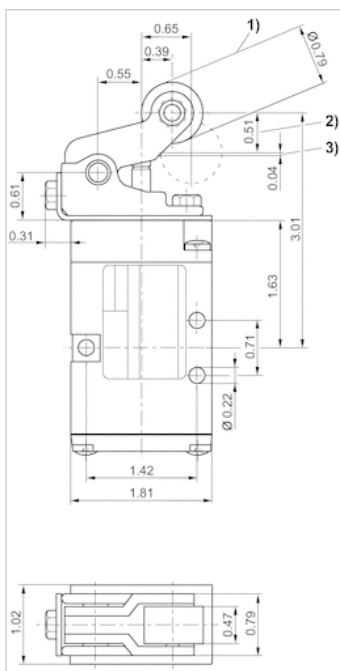
Dimensions

Dimensions in inches Fig. 1 Basic valve



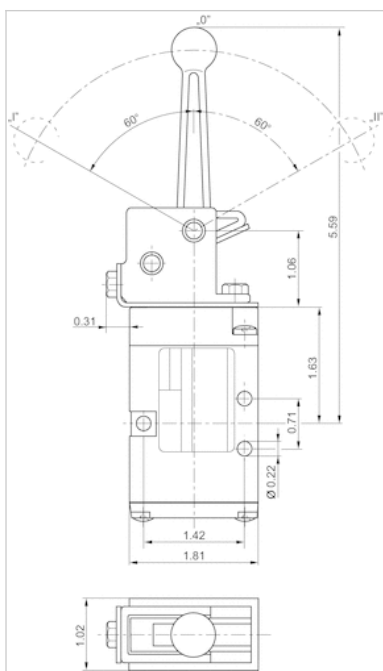
1) Stroke 2) Overstroke 3) Ø 0.18 - 0.47 mm deep

Dimensions in inches Fig. 2



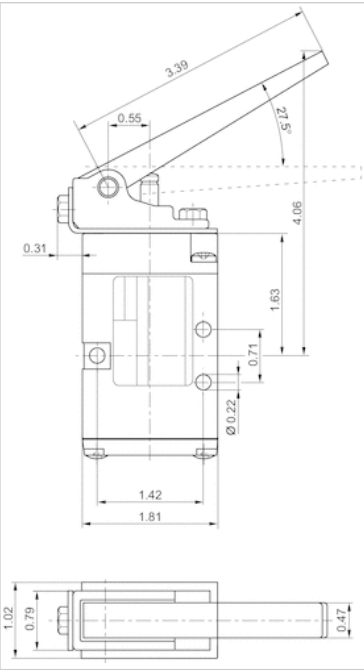
1) approach angle of rollers max. 30° 2) stroke 3) overstroke

Dimensions in inches Fig. 3

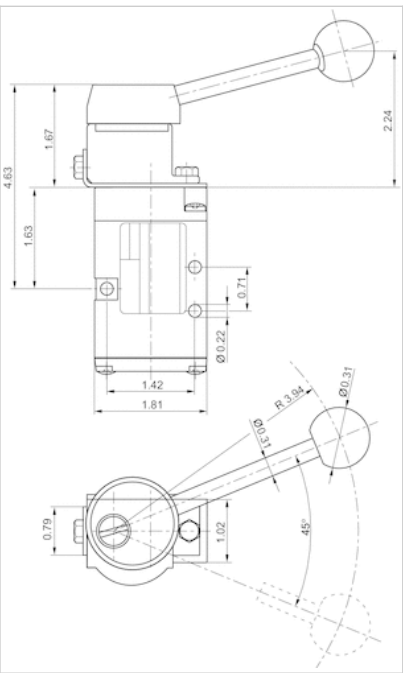


Position 0: initial position, position I: with detent; manual return, position II: automatic spring return.

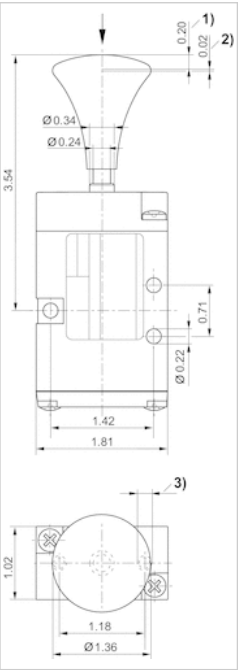
Dimensions in inches Fig. 4



Dimensions in inches Fig. 5



Dimensions in inches Fig. 6



1) Stroke 2) Overstroke 3) Ø 0.18 - 0.47 mm deep

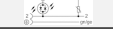
Valve plug connector, series CON-VP

- Socket, form B, 2+E, angled, 90°
- ISO 6952
- unshielded
- with LED Yellow, Red, Red



Connection type	Screws
Ambient temperature min./max.	-25 ... 50 °C
Operationalvoltage	See table below
Protection class	IP65
Mounting screw tightening torque	0,4 Nm
Weight	0,02 kg

Technical data

Part No.		Operationalvoltage	Max. current	Protective circuit	Contact assignment
1834484096		300 V, DC	10 A	-	2+E
1834484104		24 V, AC/DC	-	Z-diode	2+E
1834484105		110 V, AC	-	Varistor	2+E
1834484106		230 V, AC	-	Varistor	2+E

Part No.	LED status display	suitable cable-Ø min./max	Seal	Fig.
1834484096	-	5 / 8 mm	caoutchouc/butadiene caoutchouc	Fig. 1
1834484104	Yellow	6 / 8 mm	Silicone caoutchouc	Fig. 2
1834484105	Red, Red	6 / 8 mm	Silicone caoutchouc	Fig. 2
1834484106	Red, Red	6 / 8 mm	Silicone caoutchouc	Fig. 2

Profile seal, Flat gasket

Technical information

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

Technical information

Material	
Seals	caoutchouc/butadiene caoutchouc, Silicone caoutchouc

Dimensions

Fig. 1

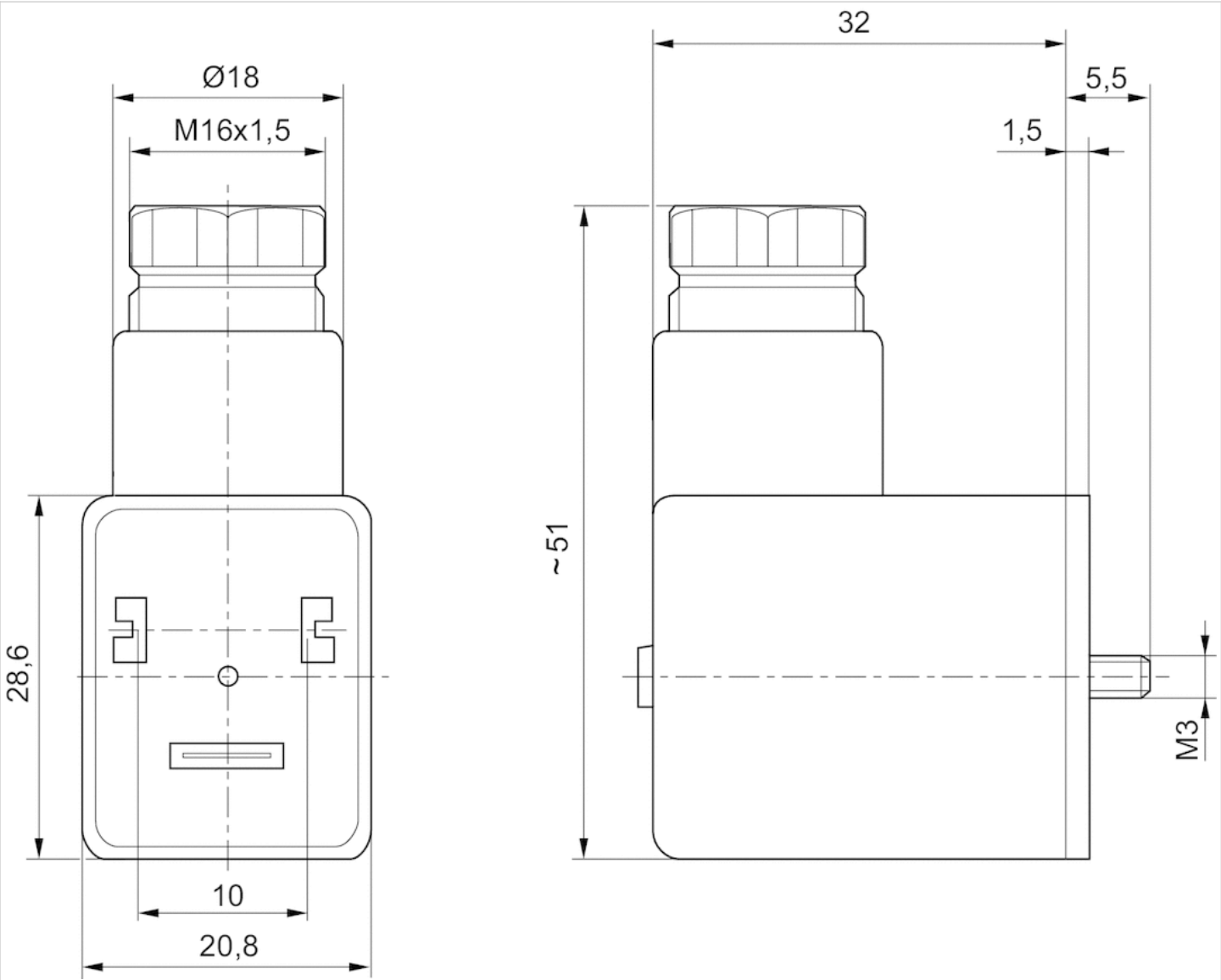
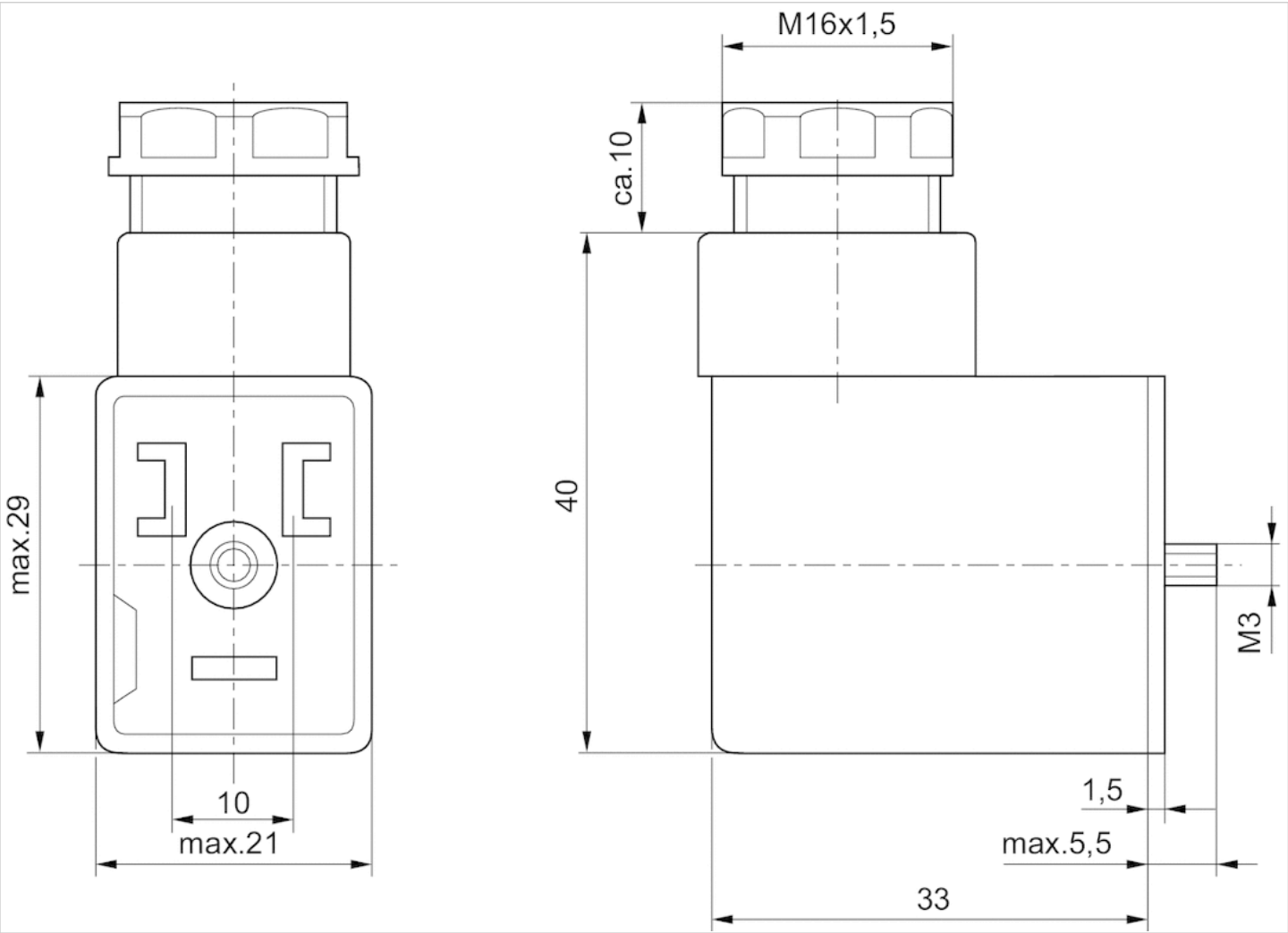
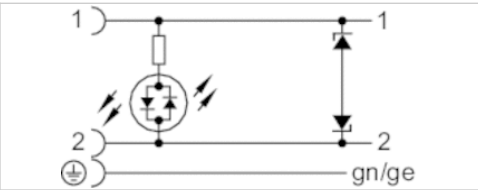


Fig. 2



Valve plug connector, series CON-VP

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



Ambient temperature min./max.	-20 ... 80 °C
Operational voltage	24 V, AC/DC
Protection class	IP67
Protective circuit	Z-diode
Wire cross-section	0,75 mm²
Mounting screw tightening torque	0,4 Nm
Weight	See table below

Technical data

Part No.	Max. current	Contact assignment	LED status display	Number of wires	Cable-Ø	Cable length	Weight	Fig.
1834484152	10 A	2+E	Yellow	3	5,9 mm	3 m	0,2 kg	Fig. 1
1834484153	10 A	2+E	Yellow	3	5,9 mm	3 m	0,2 kg	Fig. 2
1834484154	10 A	2+E	Yellow	3	5,9 mm	5 m	0,31 kg	Fig. 1
1834484155	10 A	2+E	Yellow	3	5,9 mm	5 m	0,31 kg	Fig. 2

Scope of delivery incl. flat gasket

Technical information

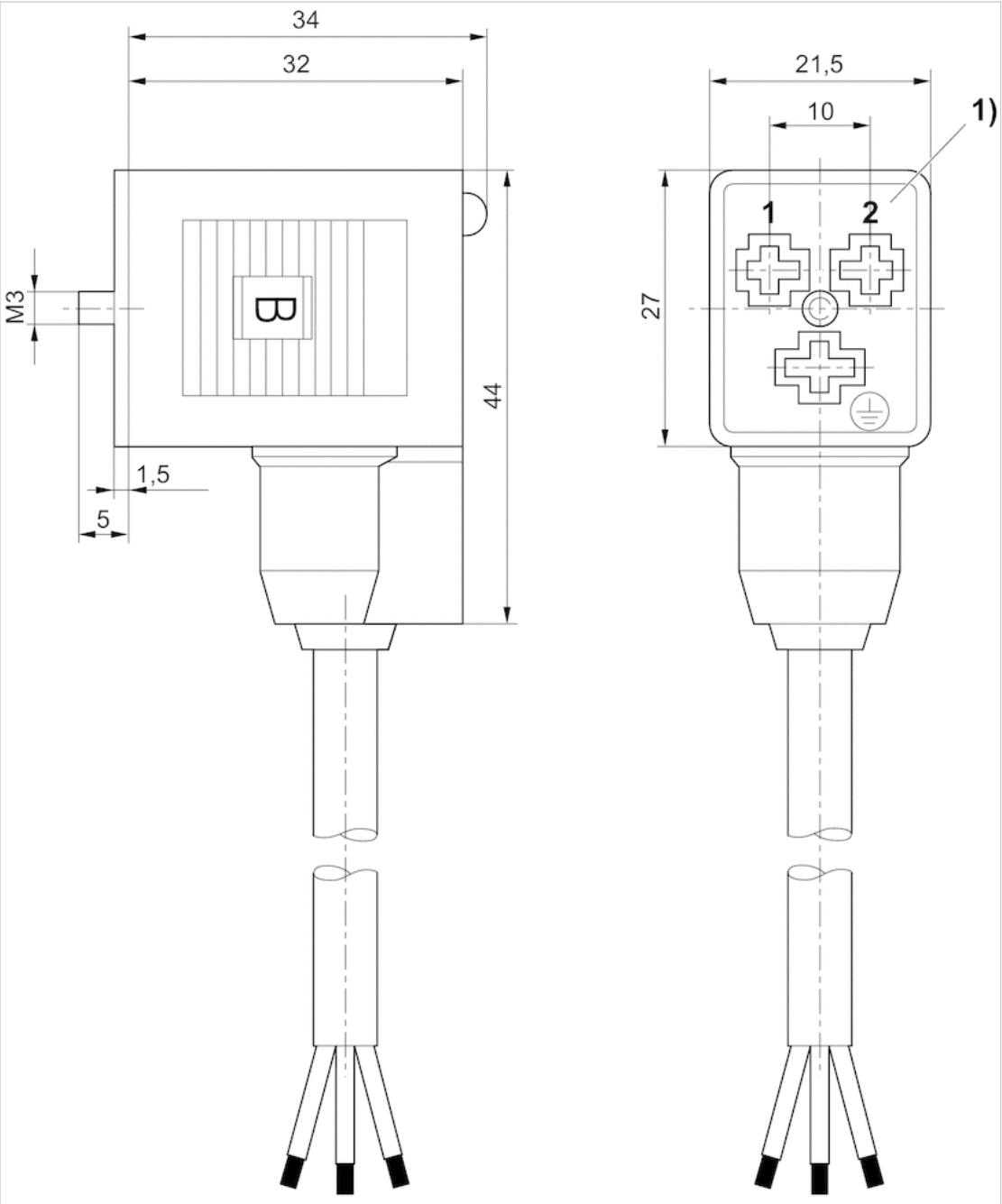
The specified protection class is only valid in assembled and tested state.

Technical information

Material	
Seals	caoutchouc/butadiene caoutchouc
Cable sheath	Polyvinyl chloride

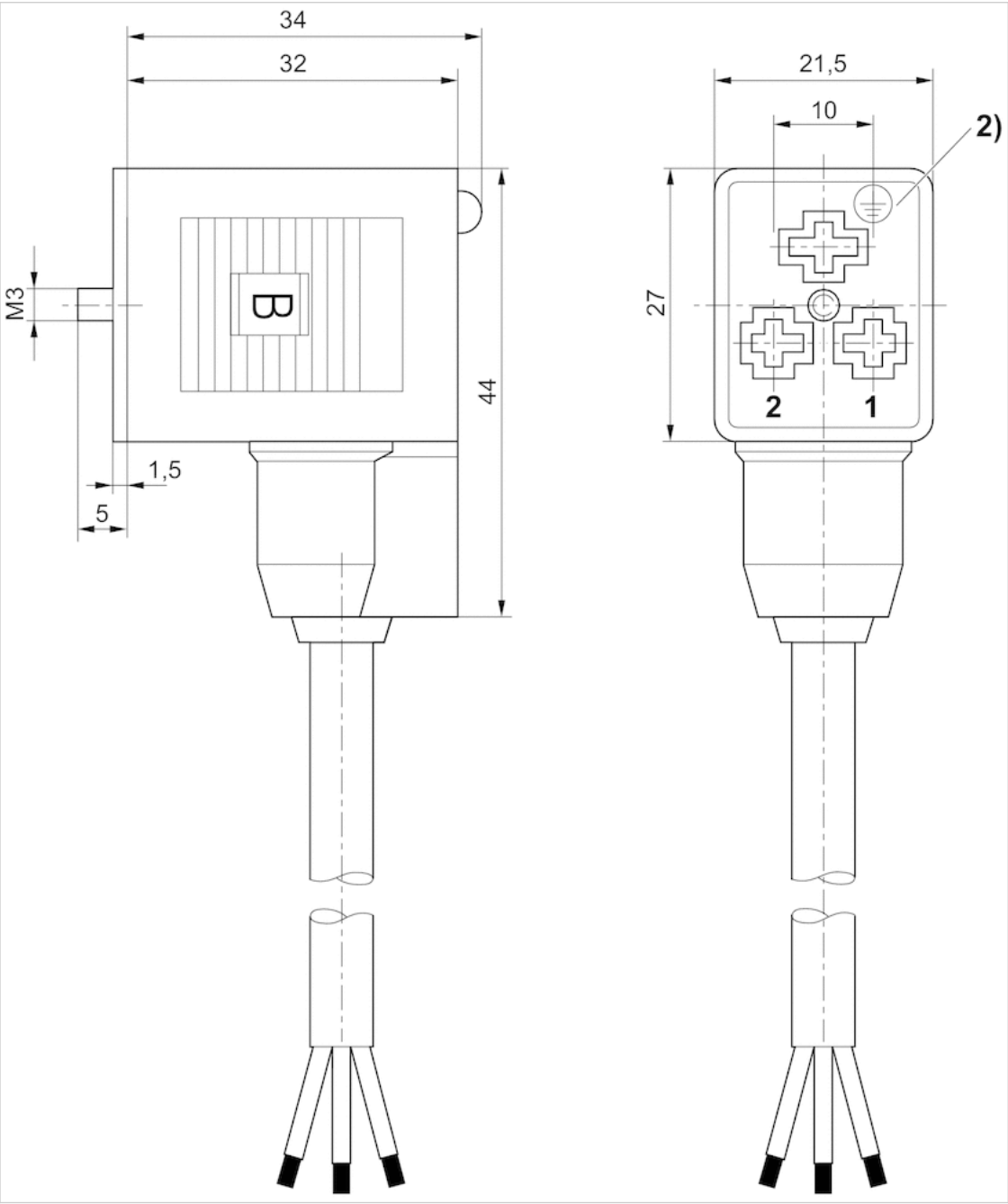
Dimensions

Fig. 1



1) 0° female insert

Fig. 2



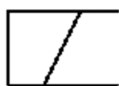
2) 180° female insert

Coil, Series CO1

- form B
- Coil width 22 mm
- Power consumption,DC 2.6-5.9 W
- Holding power,AC 7.7-9.7 VA
- Switch-on power,AC 10.5-12.6 VA



Connector standard	EN 175301-803, form B
electrical connections	Plug, 3-pin
Ambient temperature min./max.	50 °C
Protection class,With valve plug connector/plug	IP65
Duty cycle ED	100 %
Weight	0,07 kg



Technical data

Part No.	Operationalvoltage	Operationalvoltage	Operationalvoltage	Voltage tolerance
	DC	AC 50 Hz	AC 60 Hz	DC
1824210245	24 V	-	-	-10% / +10%
1824210239	12 V	24 V	24 V	-10% / +10%
1824210243	24 V	48 V	48 V	-10% / +10%
1824210241	48 V	-	-	-10% / +10%
1824210237	60 V	110 V	110 V	-10% / +10%
1824210235	110 V	220 V	230 V	-10% / +10%

Part No.	Voltage tolerance	Voltage tolerance	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
1824210245	-10% / +10%	-10% / +10%	2,6 W	-
1824210239	-10% / +10%	-10% / +10%	5,5 W	8,9 VA
1824210243	-10% / +10%	-10% / +10%	4,8 W	7,7 VA
1824210241	-10% / +10%	-10% / +10%	5 W	-
1824210237	-10% / +10%	-10% / +10%	5,9 W	8,4 VA
1824210235	-10% / +10%	-10% / +10%	4,9 W	9,7 VA

Part No.	Holding power	Switch-on power	Switch-on power	Compatibility index
	AC 60 Hz	AC 50 Hz	AC 60 Hz	
1824210245	-	-	-	13
1824210239	7,3 VA	12 VA	9,9 VA	14
1824210243	6,2 VA	10,5 VA	9,4 VA	14

Part No.	Holding power	Switch-on power	Switch-on power	Compatibility index
	AC 60 Hz	AC 50 Hz	AC 60 Hz	
1824210241	-	-	-	14
1824210237	6,8 VA	11 VA	9,4 VA	14
1824210235	7,9 VA	12,6 VA	10,2 VA	14

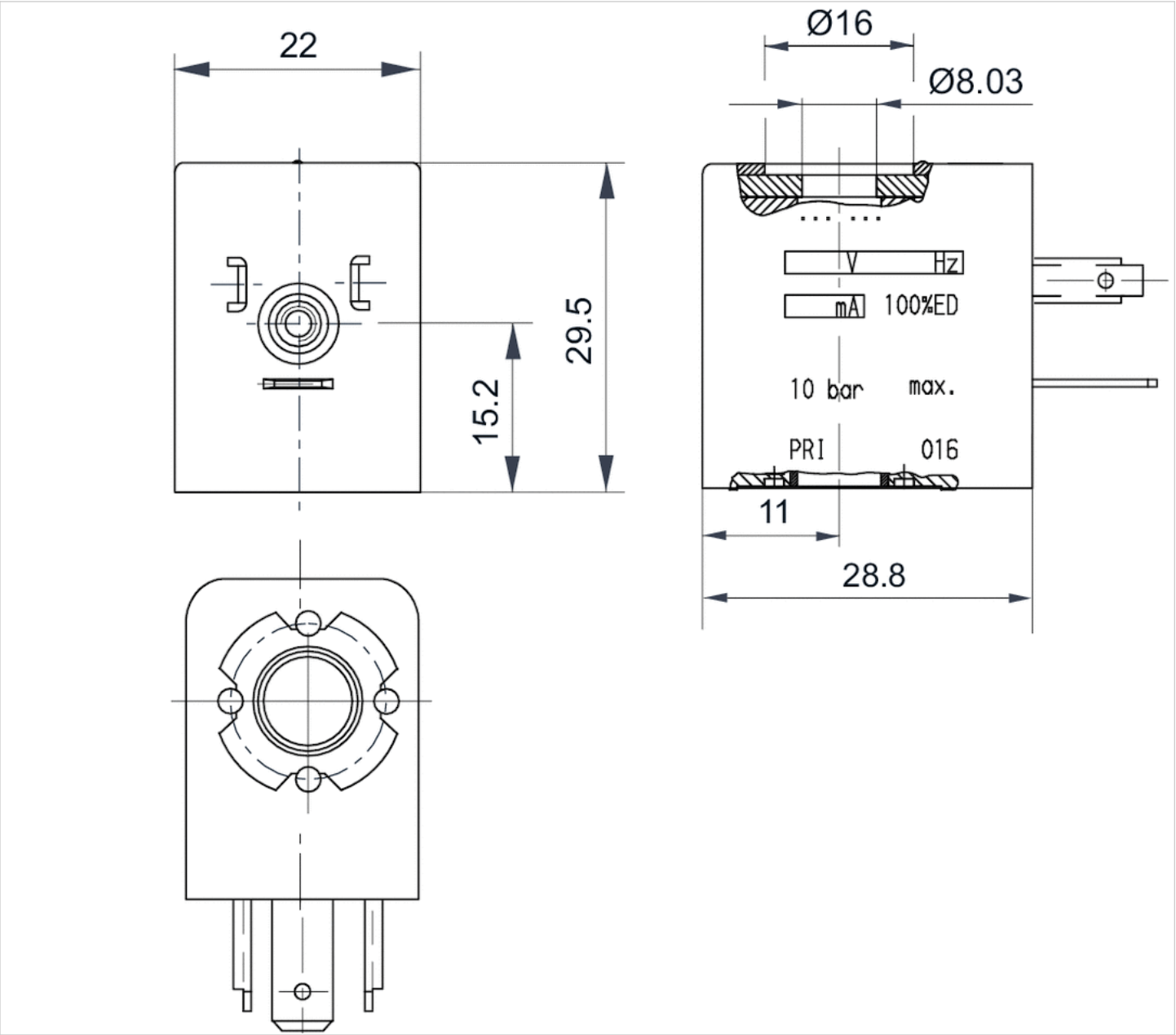
Technical information

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

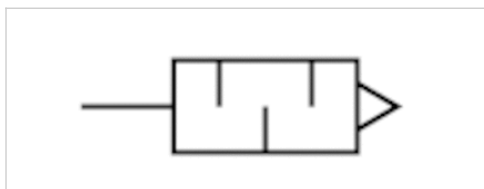
75 dB

Weight

0,01 kg

Comment

Flow characteristic curves can be found under "Diagrams".



Technical data

Part No.	Compressed air connection	Flow	Delivery unit
		Qn	
1827000000	G 1/8	1623 l/min	10 piece

Weight per piece

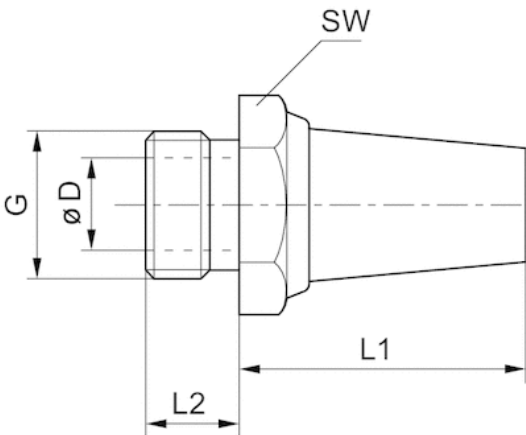
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

Technical information

Material	
Silencers	Sintered bronze
Thread	Brass

Dimensions

Dimensions

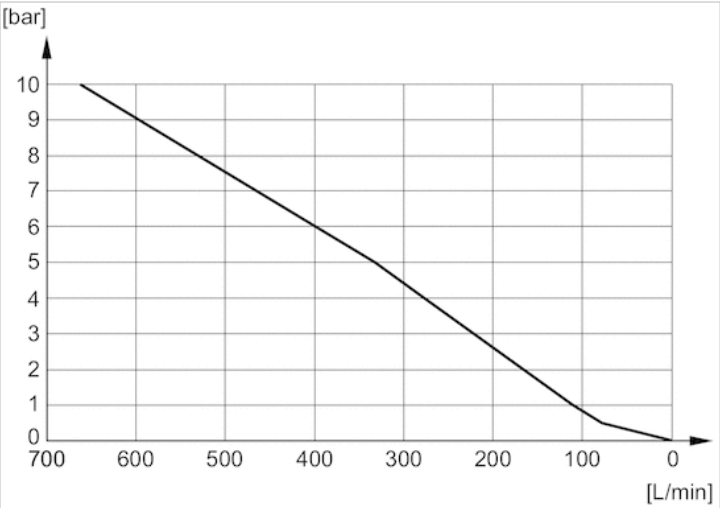


Dimensions

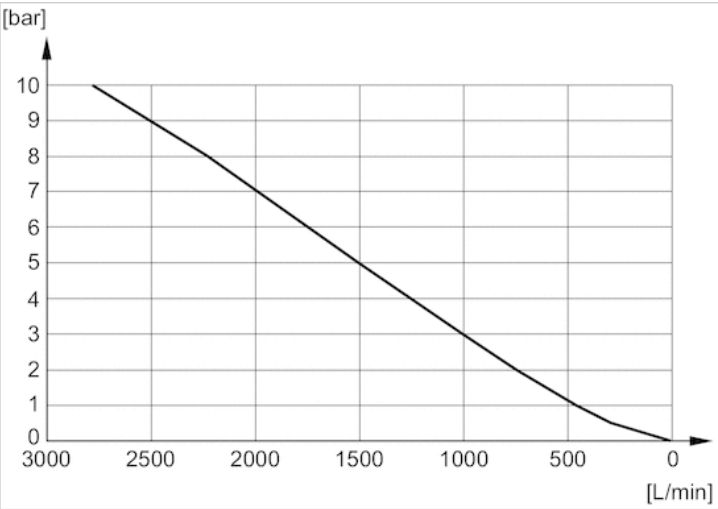
Part No.	Port G	SW	Ø D	L1	L2
1827000000	G 1/8	13	6	18	6

Diagrams

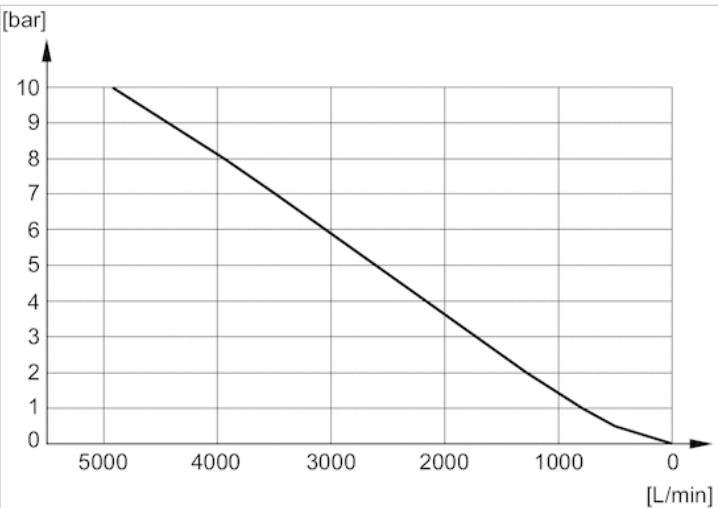
Flow diagram 1827000006



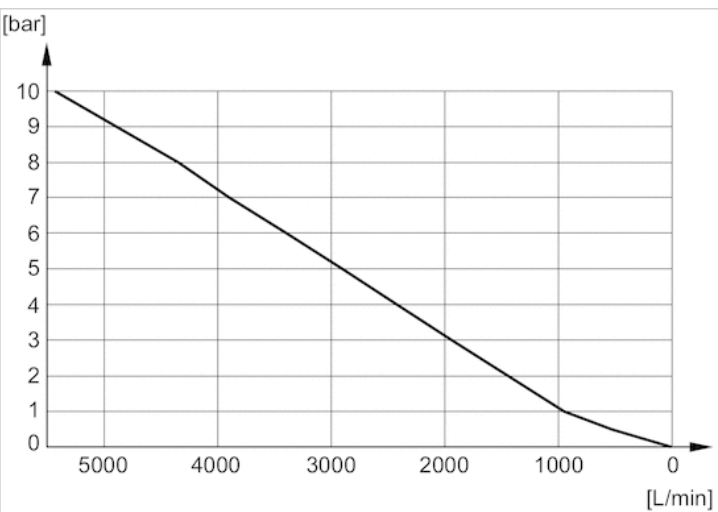
Flow diagram 5324001110



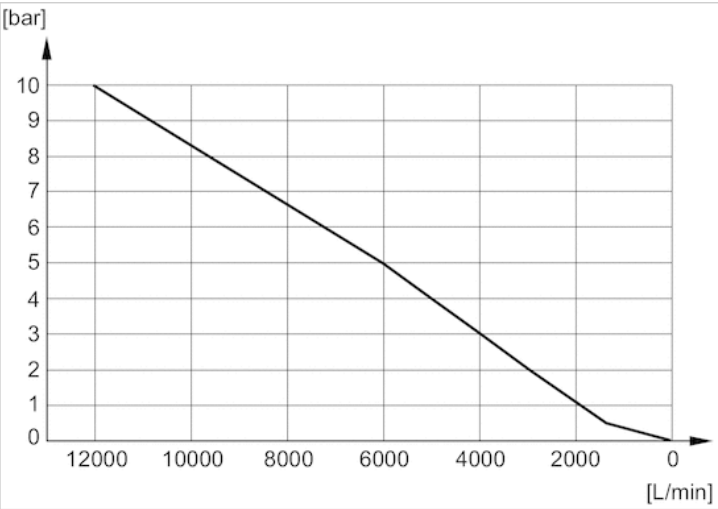
Flow diagram 5324001170



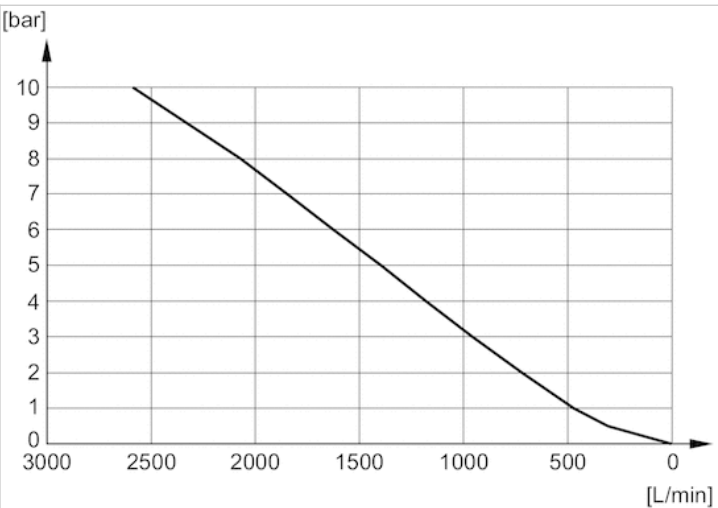
Flow diagram 5324001120



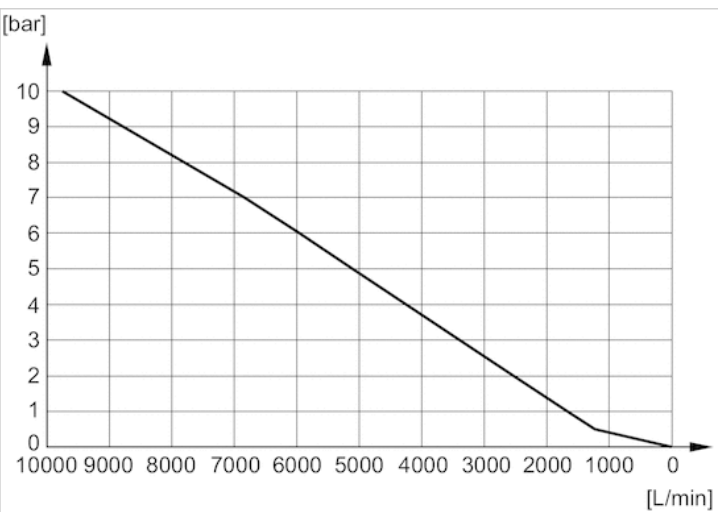
Flow diagram 5324001140



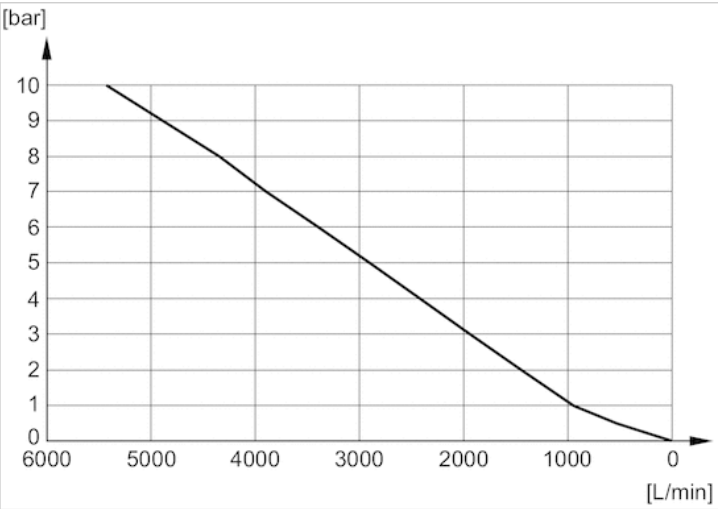
Flow diagram 1827000000



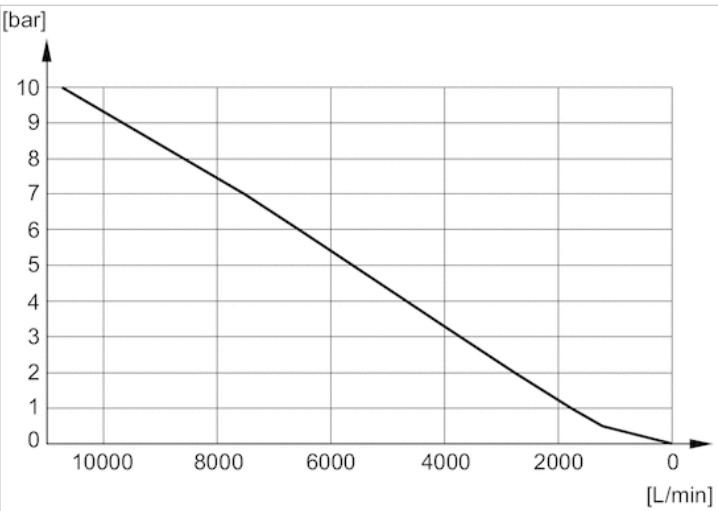
Flow diagram R412004817



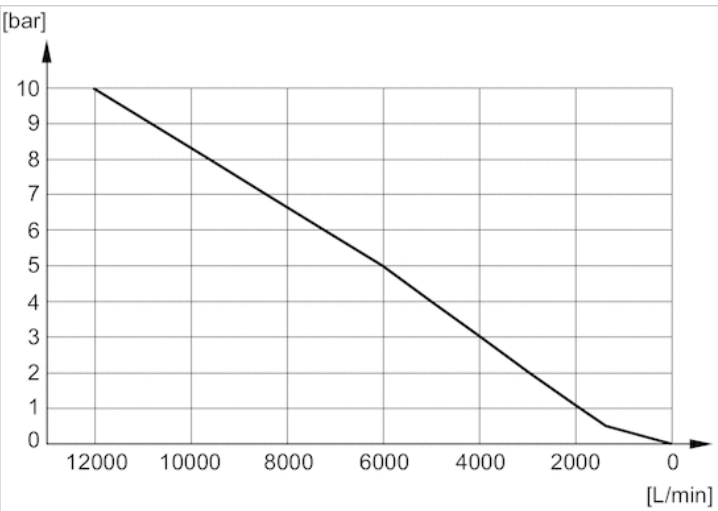
Flow diagram 1827000001



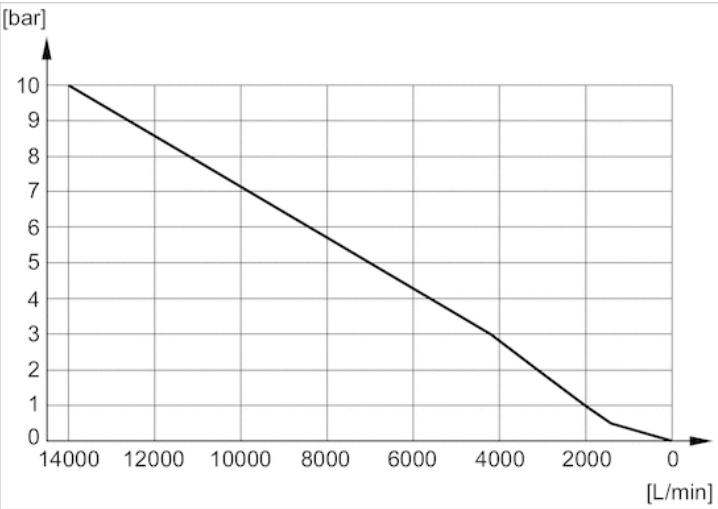
Flow diagram 1827000002



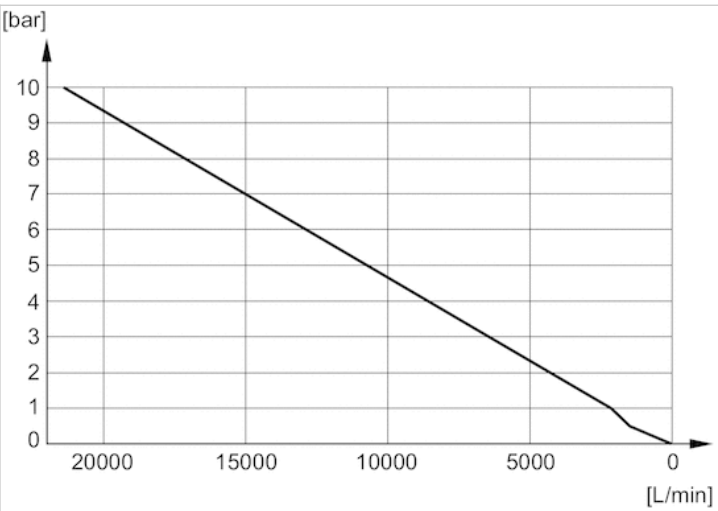
Flow diagram 1827000003



Flow diagram 1827000004



Flow diagram 1827000005



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

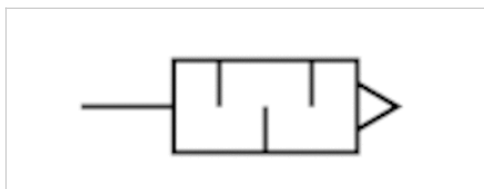
85 dB

Weight

0,001 kg

Comment

Flow characteristic curves can be found under "Diagrams".



Technical data

Part No.	Compressed air connection	Flow	Delivery unit
		Qn	
1827000031	G 1/8	700 l/min	10 piece

Weight per piece

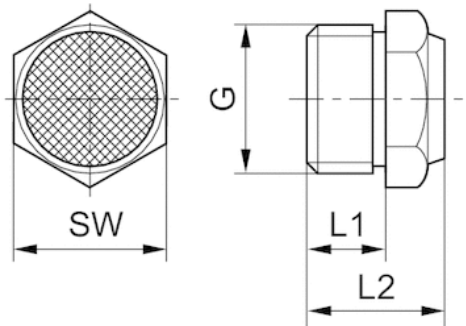
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

Technical information

Material	
Silencers	Sintered bronze
Thread	Brass

Dimensions

Dimensions



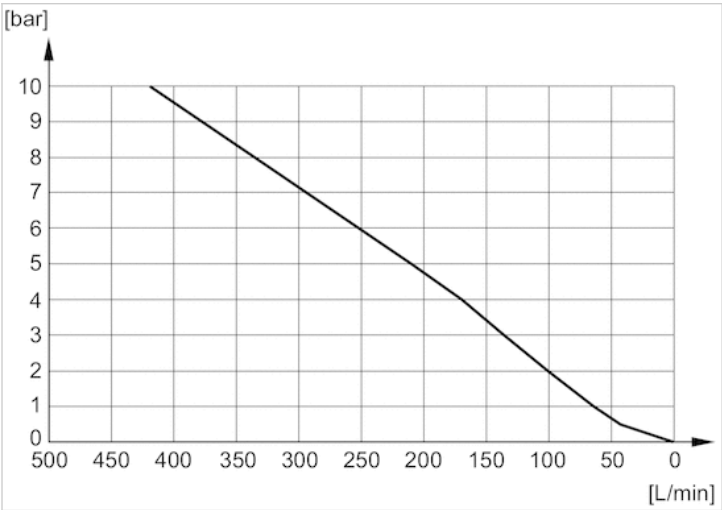
Dimensions

Part No.	Port G	L1	L2	SW
1827000031	G 1/8	6	11.5	13

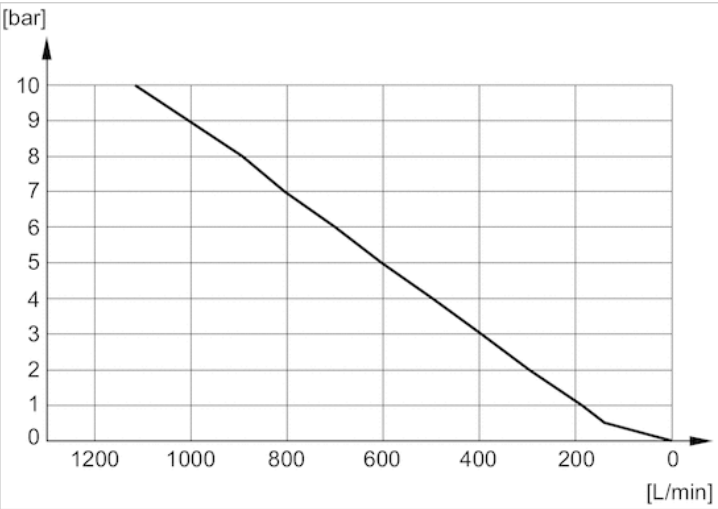
Sound pressure level measured at 6 bar at 1 m distance

Diagrams

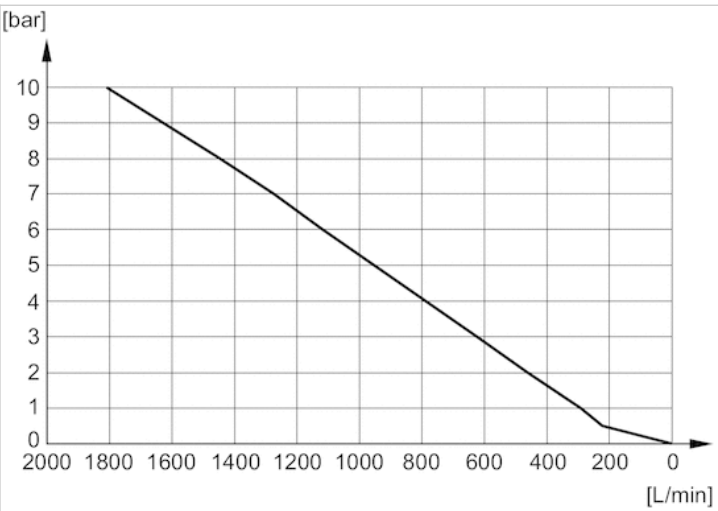
Flow diagram 1827000032



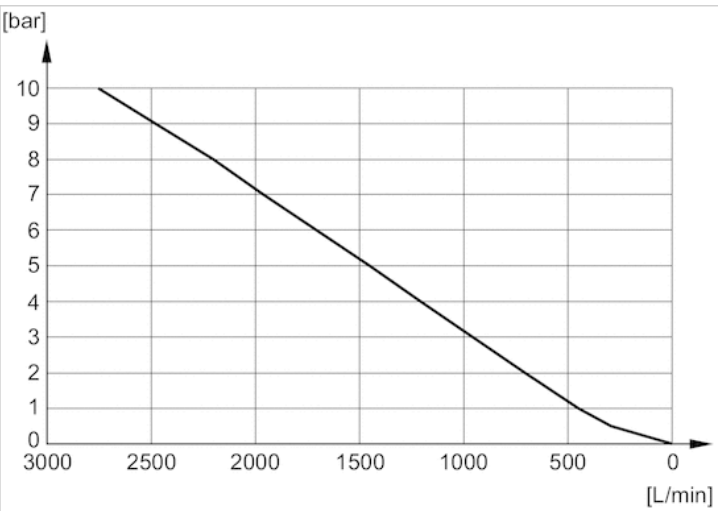
Flow diagram 1827000031



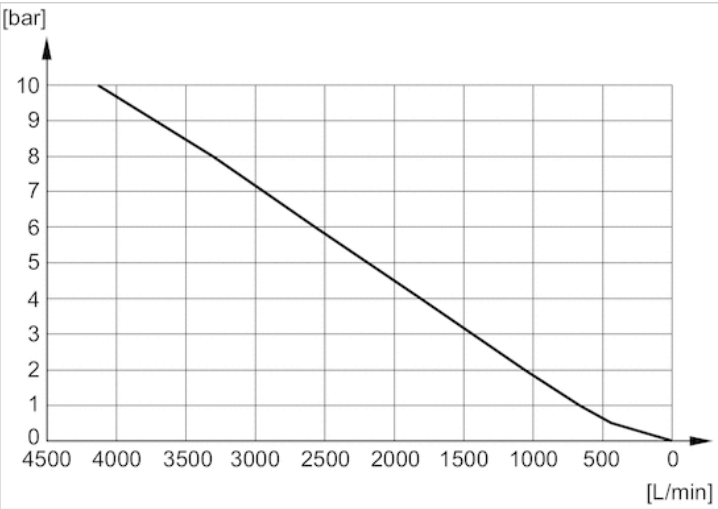
Flow diagram 1827000033



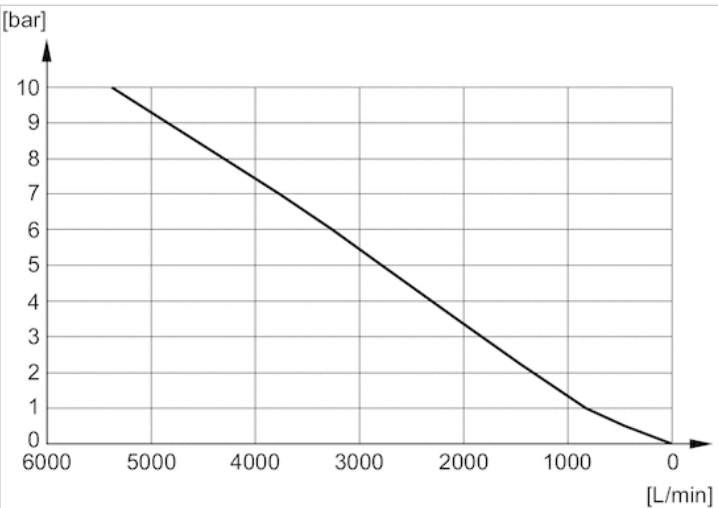
Flow diagram 1827000034



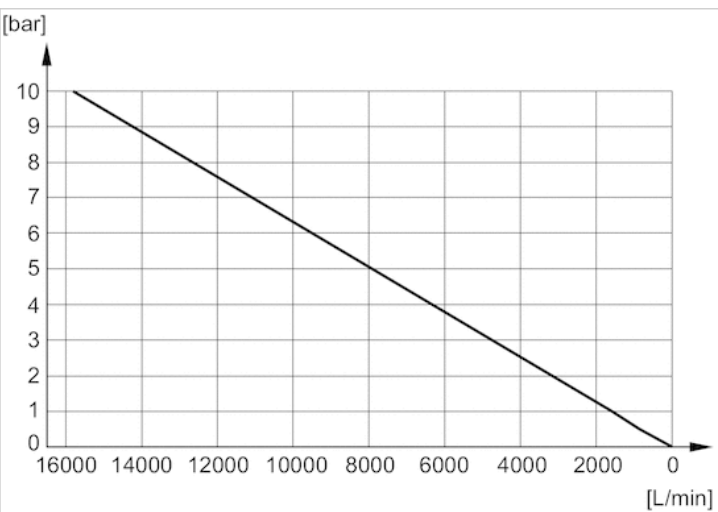
Flow diagram 1827000035



Flow diagram 8145003400



Flow diagram 8145001000



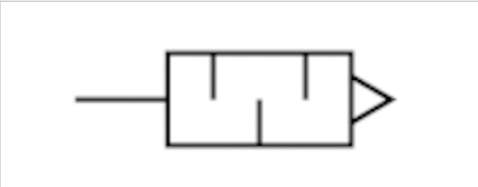
Silencers, series SI1

- Sintered bronze



Working pressure min./max.
Ambient temperature min./max.
Medium
Comment

0 ... 10 bar
-25 ... 80 °C
Compressed air
Flow characteristic curves can be found under "Diagrams".



Technical data

Part No.	Compressed air connection	Flow	Delivery unit
		Qn	
1827430004	G 1/8	311 l/min	10 piece

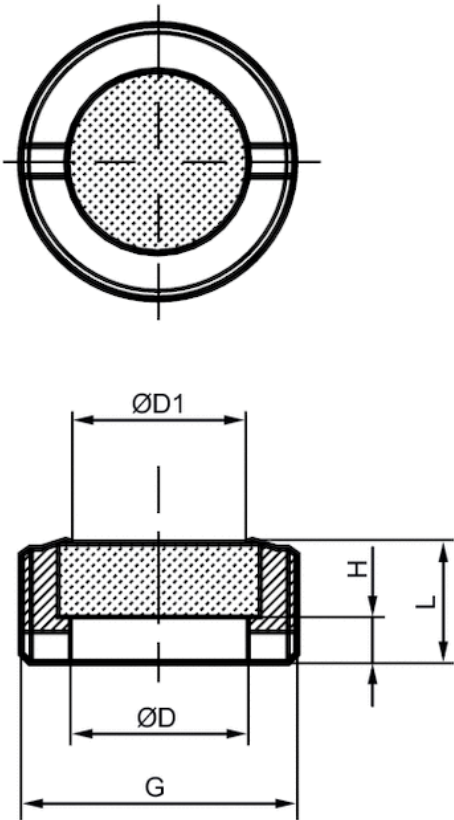
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

Technical information

Material	
Silencers	Sintered bronze
Thread	Brass

Dimensions

Dimensions

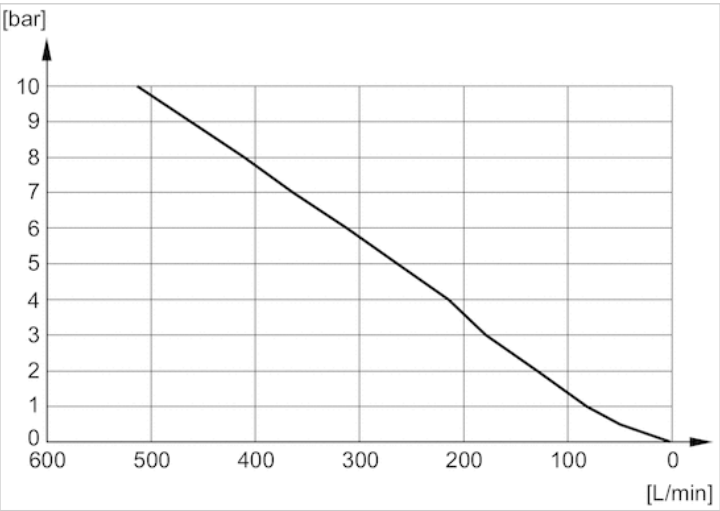


Dimensions

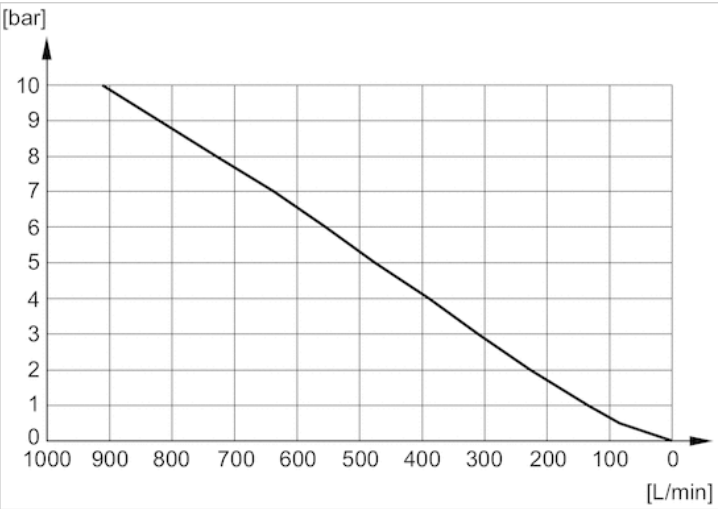
Part No.	Port G	Ø D	Ø D1	H	L
1827430004	G 1/8	6	5	2	4

Diagrams

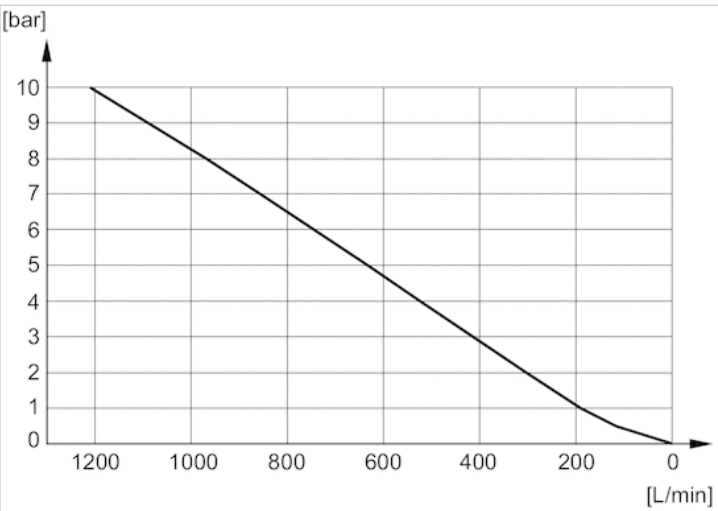
Flow diagram 1827430004



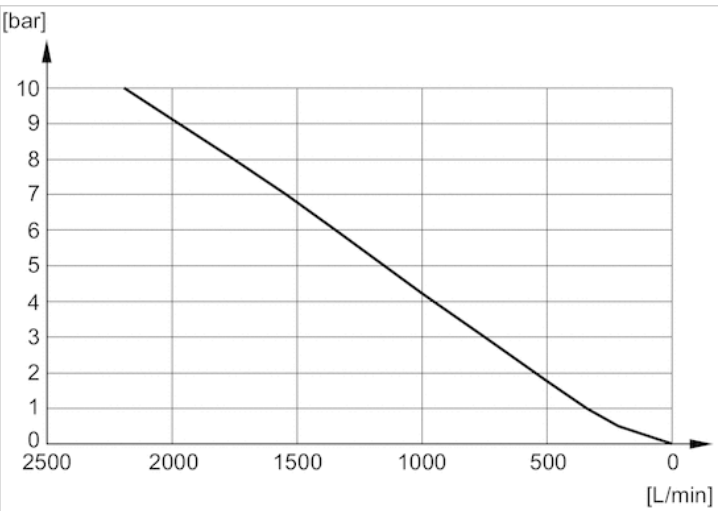
Flow diagram R414000155



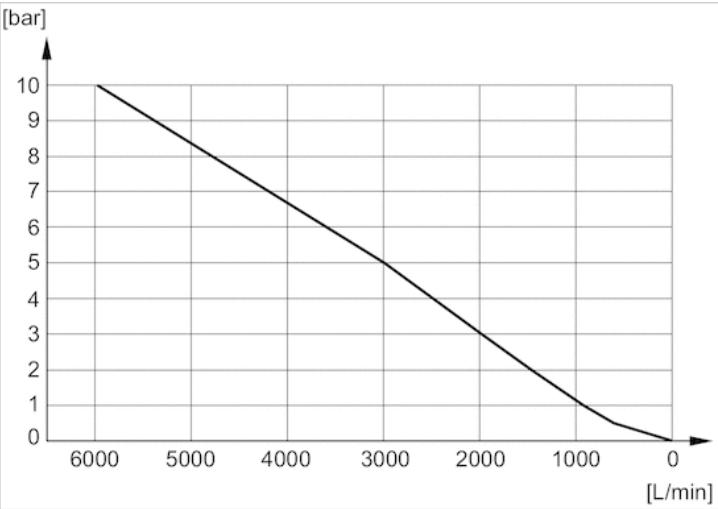
R412007875



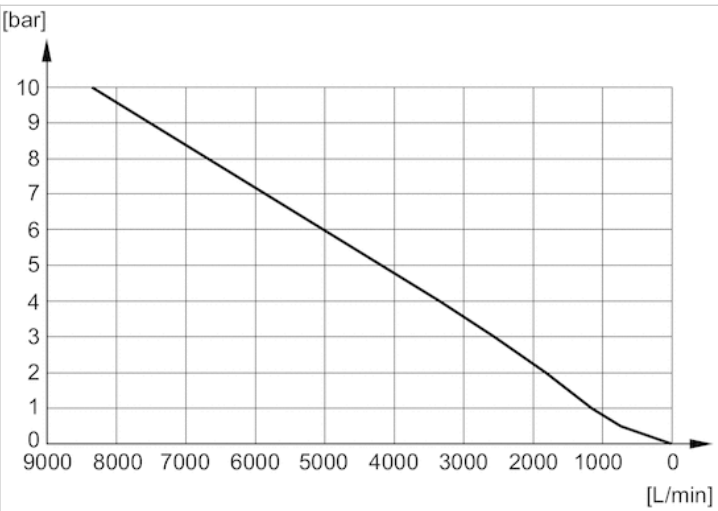
Flow diagram R412007876



Flow diagram R412007877



Flow diagram R412007878



Silencers, series SI1

- Polyethylene



Working pressure min./max.

0 ... 10 bar

Ambient temperature min./max.

-25 ... 80 °C

Medium

Compressed air

Sound pressure level

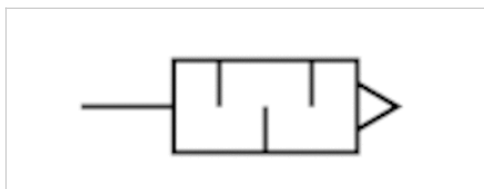
78 dB

Weight

0,002 kg

Comment

Flow characteristic curves can be found under "Diagrams".



Technical data

Part No.	Compressed air connection	Flow	Delivery unit
		Qn	
1827000019	G 1/8	1560 l/min	5 piece

Weight per piece

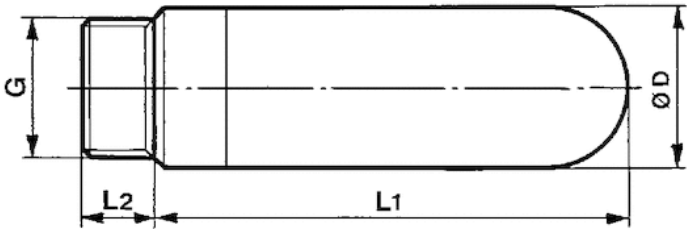
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

Technical information

Material	
Silencers	Polyethylene
Thread	Polyethylene

Dimensions

Dimensions

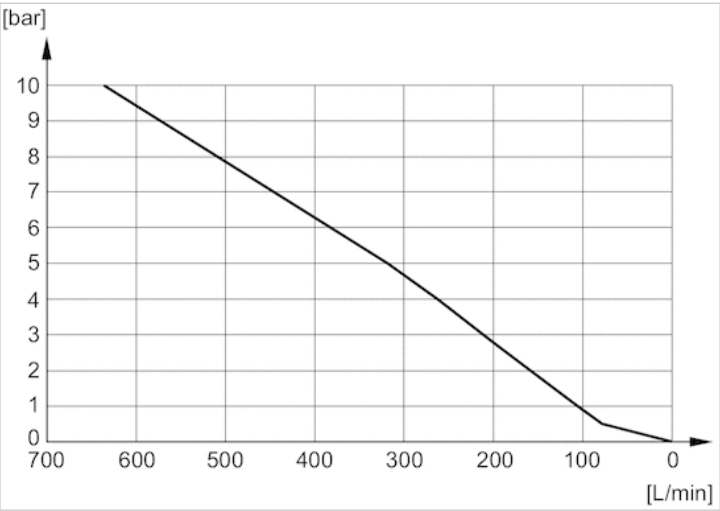


Dimensions

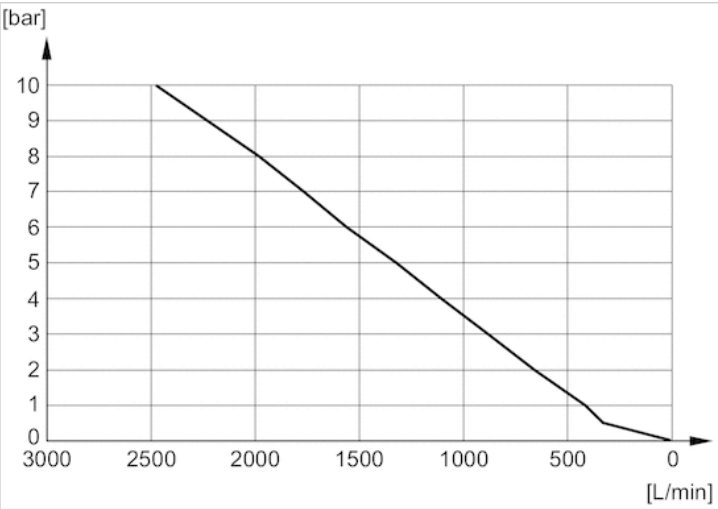
Part No.	Port G	Ø D	L1	L2
1827000019	G 1/8	12.5	28.5	5.5

Diagrams

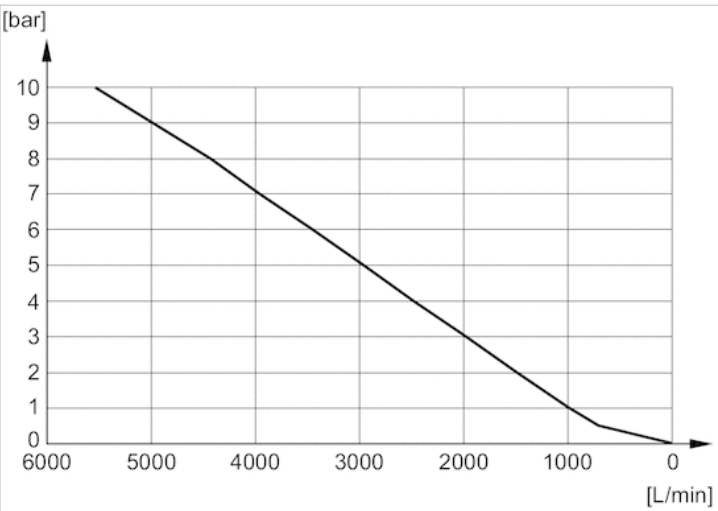
Flow diagram 1827000018



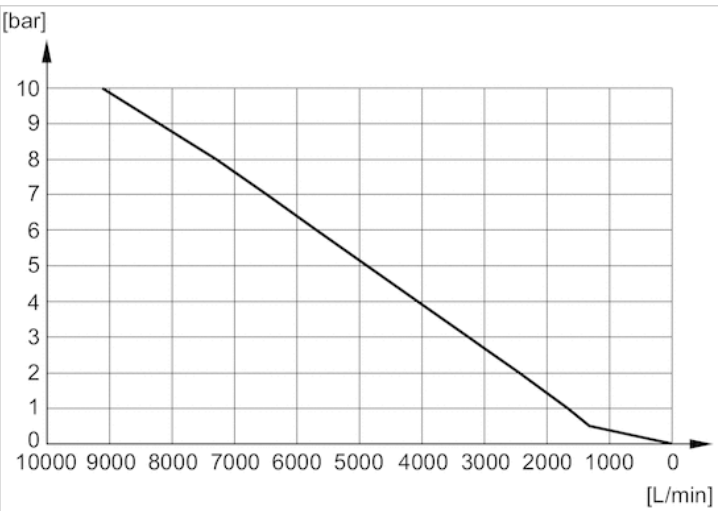
Flow diagram 1827000019



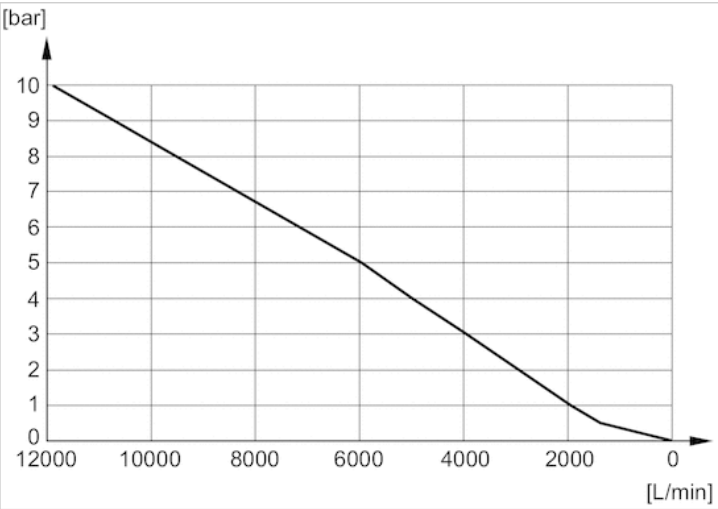
Flow diagram 1827000020



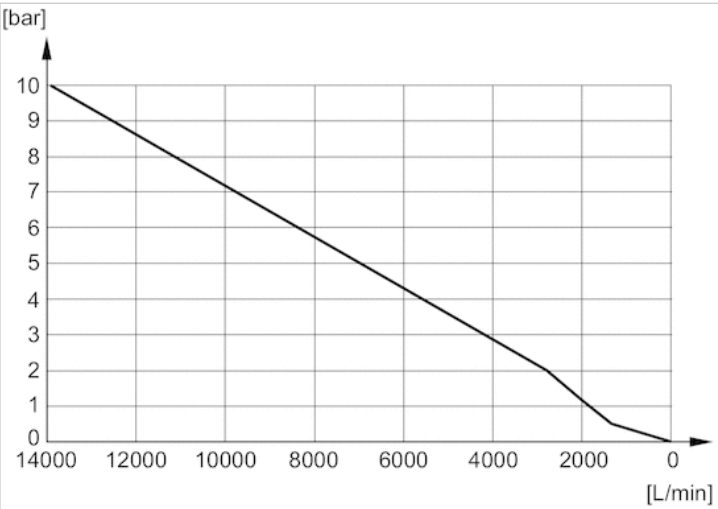
Flow diagram 1827000021



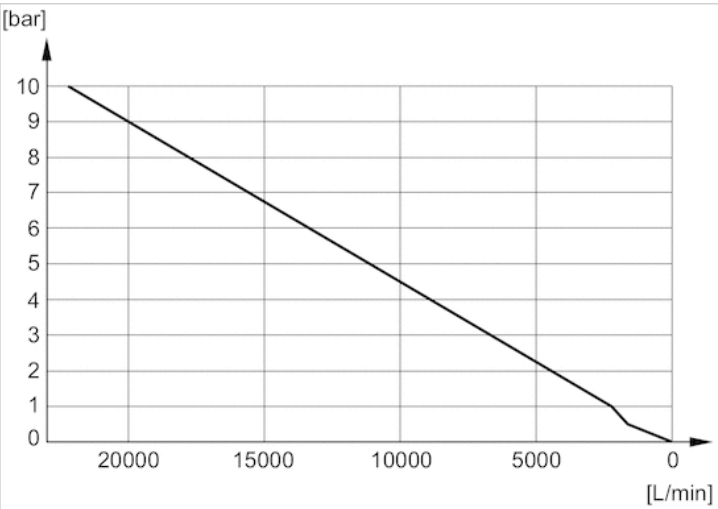
Flow diagram 1827000022



Flow diagram 1827000023



Flow diagram 1827000024



Manifold strip, Series CD04

- 5/2 and 5/3-directional valves



Compressed air connection	according to ISO 228-1
Working pressure min./max.	-0,95 ... 16 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Exhaust (3,5)	uncollected exhaust

Technical data

Part No.	Compressed air connection Input [1]	Number of valve positions
3337110222	Ø 10x1	2
3337110232	Ø 10x1	3
3337110242	Ø 10x1	4
3337110252	Ø 10x1	5
3337110262	Ø 10x1	6
3337110272	Ø 10x1	7
3337110282	Ø 10x1	8
3337110292	Ø 10x1	9
3337110302	Ø 10x1	10
3337110312	Ø 10x1	11
3337110322	Ø 10x1	12

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	
Base plate	Aluminum, Polyoxymethylene
Seal	Acrylonitrile butadiene rubber
Mounting bracket	Steel

Part No.	L1	L2
3337110312	385	365
3337110322	412	392

R, P, S subbase, Series CD04

- 5/2 and 5/3-directional valves



Compressed air connection	according to ISO 228-1
Working pressure min./max.	-0,95 ... 16 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Exhaust (3,5)	With directional exhaust (3/5)
Exhaust type	Ports separated
Weight	See table below

Technical data

Part No.	Compressed air connection Input [1]	Compressed air connection Exhaust [3 / 5]
8985070042	G 3/8	G 3/8
8985070062	G 3/8	G 3/8
8985070082	G 3/8	G 3/8
8985070102	G 3/8	G 3/8
8985070122	G 3/8	G 3/8

Part No.	Compressed air connection Pilot connection [X]	Number of valve positions	Weight
8985070042	G 1/8	4	1,3 kg
8985070062	G 1/8	6	1,8 kg
8985070082	G 1/8	8	2,3 kg
8985070102	G 1/8	10	2,7 kg
8985070122	G 1/8	12	3,2 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.

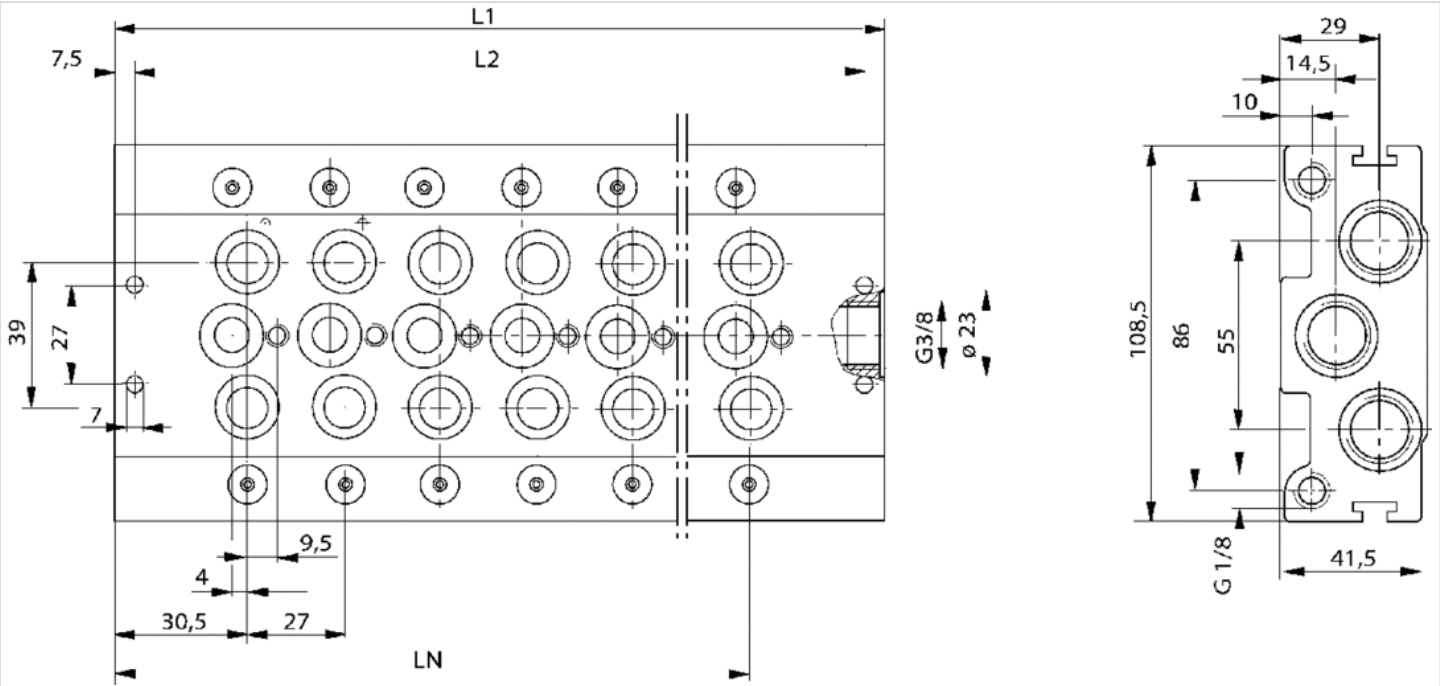
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Base plate	Aluminum, Polyoxymethylene
Seal	Acrylonitrile butadiene rubber

Dimensions

Dimensions



Dimensions

Part No.	L1	L2	LN	Weight
8985070042	142	127	112	1,3 kg
8985070062	196	181	166	1,8 kg
8985070082	250	235	200	2,3 kg
8985070102	304	289	274	2,7 kg
8985070122	358	343	328	3,2 kg

Blanking plate



Working pressure min./max.	-0,95 ... 16 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Number of valve positions,max.	1
Weight	0,104 kg

Technical data

Part No.
3354801004

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.

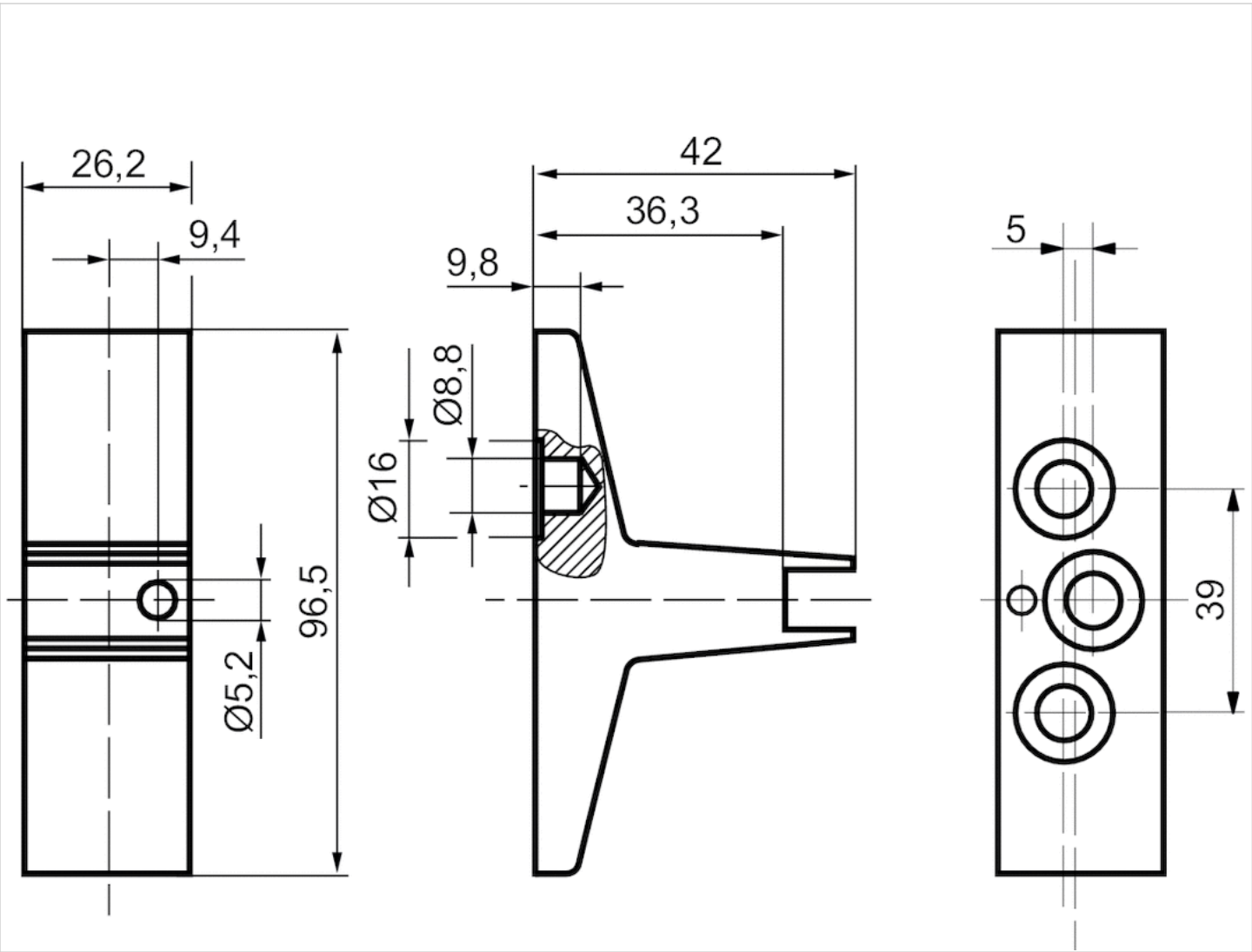
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Base plate	Aluminum

Dimensions

Dimensions



Accessories

- for CD04



Weight

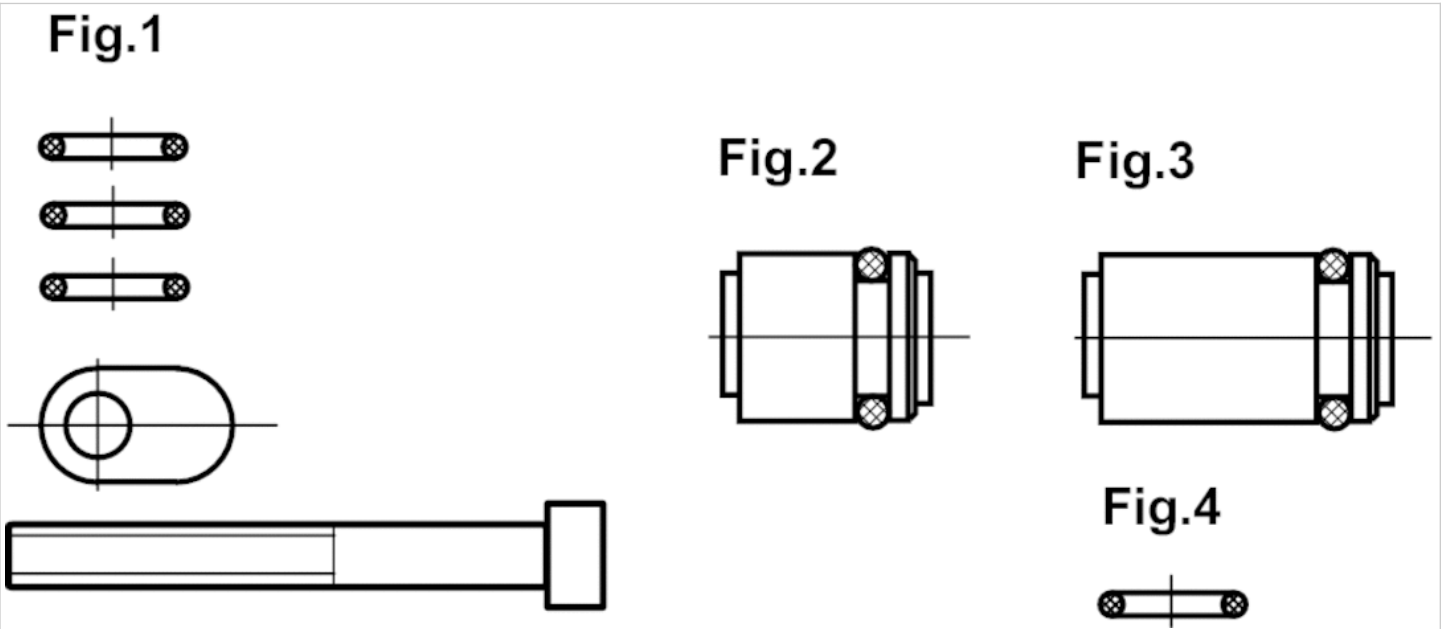
See table below

Technical data

Part No.	Fig.	Type
3354800092	Fig. 1	Mounting kit for 10 valves, delivery includes: 30 seals, 10 washers, and 10 mounting screws.
3354800082	Fig. 2	P plug
3354800072	Fig. 3	R/S plug

Part No.	Suitable for	Weight
3354800092	R, P, S subbase	-
3354800082	R, P, S subbase	0,017 kg
3354800072	R, P, S subbase	0,022 kg

Dimensions



Blanking screw, gasket

- M5
- FPT-S-RBI



Working pressure min./max.
 Ambient temperature min./max.

0 ... 16 bar
 -20 ... 80 °C
 The delivered product may vary from that
 in the illustration.

Technical data

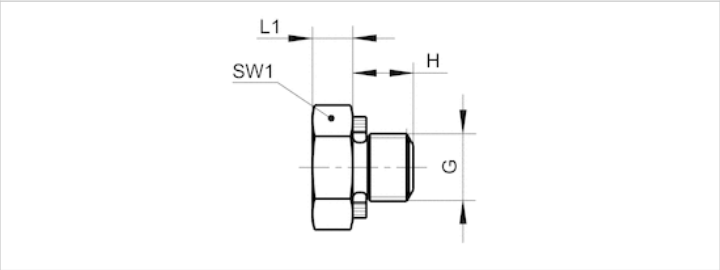
Part No.	Port G	Delivery unit
1823462016	M5	25 piece

Technical information

Material	
Material	Steel, galvanized
Seal	Polyvinyl chloride, hard

Dimensions

Dimensions



Dimensions

Port G	H	L1	SW1
M5	4.5	3	–

Blanking screw, gasket

- G 1/8, G 1/4, G 3/8, G 1/2, G 3/4, G 1
- FPT-S-RBI



Working pressure min./max.
 Ambient temperature min./max.

0 ... 16 bar
 -20 ... 80 °C
 The delivered product may vary from that
 in the illustration.

Technical data

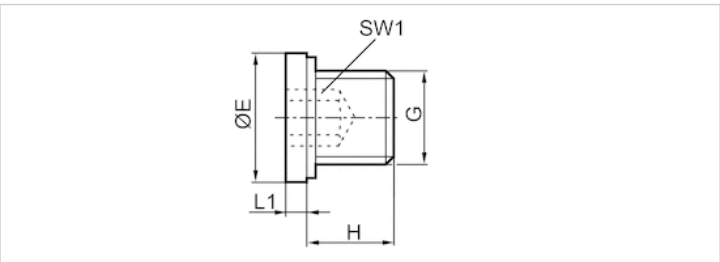
Part No.	Port G	Delivery unit
1823462028	G 1/8	25 piece
1823462029	G 1/4	25 piece
1823462030	G 3/8	25 piece
1823462031	G 1/2	25 piece
1823462032	G 3/4	10 piece
1823462033	G 1	5 piece

Technical information

Material	
Material	Steel, galvanized
Seal	Polyvinyl chloride, hard

Dimensions

Dimensions



Dimensions

Port G	Ø E	H	L1	SW1
G 1/8	14	8	3	5
G 1/4	18	12	3	6
G 3/8	22	12	3	8
G 1/2	26	14	4	10
G 3/4	32	16	4	12
G 1	39	16	5	17