

5/2-directional valve, Series CD07

- Qn = 1200 l/min
- Pilot valve width : 30 mm
- Pipe connection
- Compressed air connection output : G 1/4
- Electrical connection : Plug, EN 175301-803, form A, 3-pin
- -25 °C cold-resistant
- 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.	-25 ... 50 °C
Medium temperature min./max.	-25 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m ³
Nominal flow Qn	1200 l/min
Nominal flow 1 ► 2	1200 l/min
Nominal flow 2 ► 3	1200 l/min
Compressed air connection	according to ISO 228-1
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Reverse polarity protection	Protected against polarity reversal
Compatibility index	13 14
Duty cycle	100 %
Mounting on manifold strip	P-strip PRS strip
Weight	See table below

Technical data

Part No.		MO	Compressed air connection	
				Input
5776270220				G 1/4
5776272220				G 1/4
5776275270				G 1/4
5776275280				G 1/4
5776275220				G 1/4
5776275302				G 1/4
5776280220				G 1/4
5776285270				G 1/4
5776285280				G 1/4
5776285302				G 1/4

Part No.	Compressed air connection	
	Output	Exhaust
5776270220	G 1/4	G 1/4
5776272220	G 1/4	G 1/4
5776275270	G 1/4	G 1/4
5776275280	G 1/4	G 1/4
5776275220	G 1/4	G 1/4
5776275302	G 1/4	G 1/4
5776280220	G 1/4	G 1/4
5776285270	G 1/4	G 1/4
5776285280	G 1/4	G 1/4
5776285302	G 1/4	G 1/4

Part No.	Compressed air connection		Operational voltage
	Pilot Input	Pilot Exhaust	
5776270220	-	-	24 V
5776272220	-	-	24 V
5776275270	-	-	-
5776275280	-	-	-
5776275220	-	-	-
5776275302	-	-	-
5776280220	G 1/8	M5	24 V
5776285270	G 1/8	M5	-
5776285280	G 1/8	M5	-
5776285302	G 1/8	M5	-

Part No.	Operational voltage		Voltage tolerance	
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5776270220	-	-	-10% / +10%	-
5776272220	-	-	-20% / +30%	-
5776275270	110 V	110 V	-	-20% / +10%
5776275280	230 V	230 V	-	-20% / +10%
5776275220	24 V	24 V	-	-20% / +10%
5776275302	-	-	-	-
5776280220	-	-	-10% / +10%	-

Part No.	Operationalvoltage	Operationalvoltage	Voltage tolerance	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5776285270	110 V	110 V	-	-20% / +10%
5776285280	230 V	230 V	-	-20% / +10%
5776285302	-	-	-	-

Part No.	Voltage tolerance	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5776270220	-	2,1 W	-	-
5776272220	-	4,5 W	-	-
5776275270	-10% / +20%	-	4,3 VA	3,3 VA
5776275280	-10% / +20%	-	4,8 VA	4,1 VA
5776275220	-10% / +20%	-	4,3 VA	3,2 VA
5776275302	-	-	-	-
5776280220	-	2,1 W	-	-
5776285270	-10% / +20%	-	4,3 VA	3,3 VA
5776285280	-10% / +20%	-	4,8 VA	4,1 VA
5776285302	-	-	-	-

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).

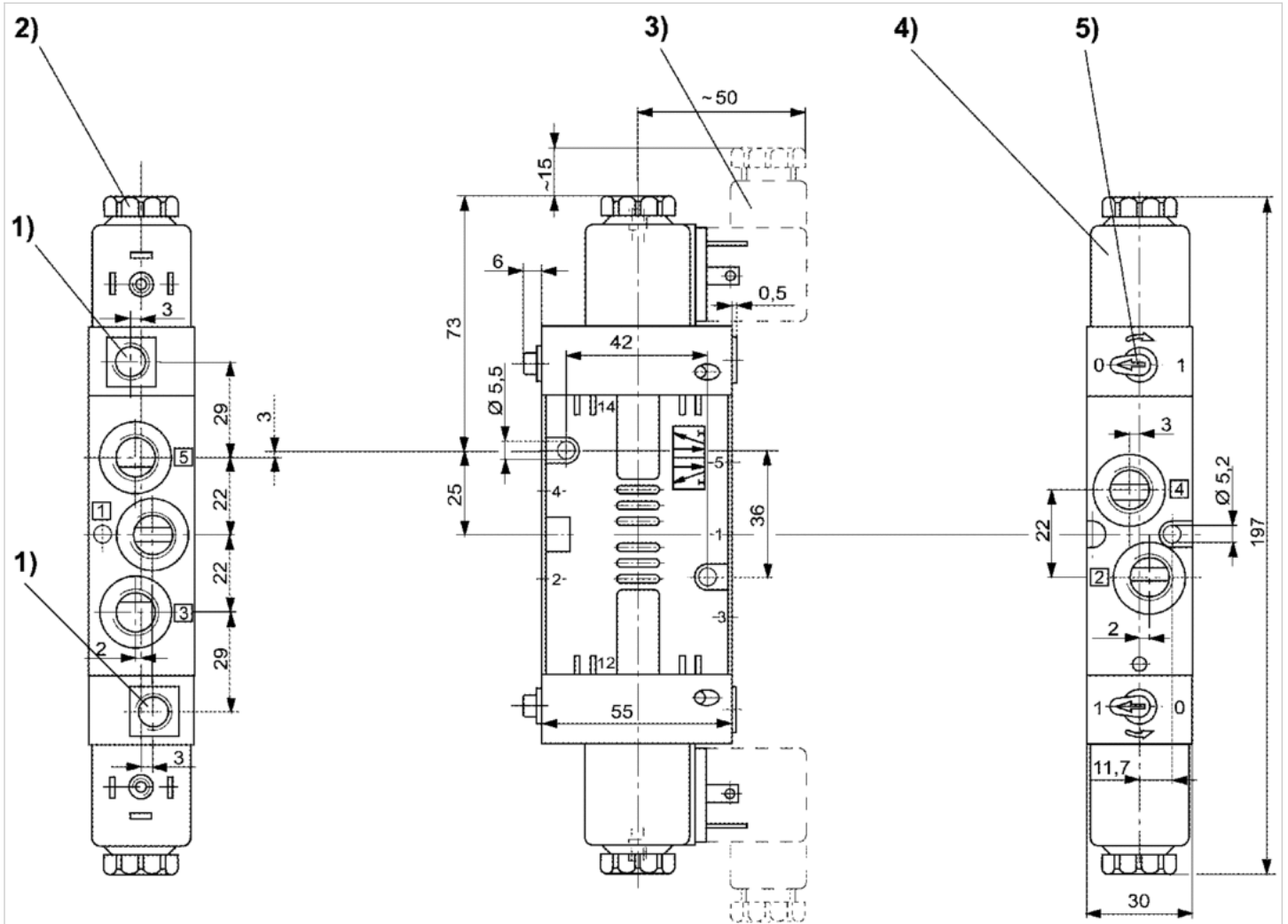
ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

Technical information

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

Dimensions

Dimensions Fig. 1



1) Only with separate pilot control G 1/8 2) After removal of cap M5 internal thread 3) Valve plug connector 4) Coil can be plugged at 45° intervals 5) Manual override