

5/2-directional valve, Series CD04

- 5/2
- 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



Type	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/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	
			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

Part No.	Switch-on power	Pilot	Working pressure min./max.	Typ. switch-on time	Typ. switch-off time
	AC 60 Hz				
5777050210	-	Internal	3 ... 10 bar	12 ms	21 ms
5777050220	-	Internal	3 ... 10 bar	12 ms	21 ms
5777055270	9,5 VA	Internal	3 ... 10 bar	12 ms	21 ms
5777055280	8,9 VA	Internal	3 ... 10 bar	12 ms	21 ms
5777055220	9,4 VA	Internal	3 ... 10 bar	12 ms	21 ms
5777055302	-	Internal	3 ... 10 bar	-	-
5777060220	-	External	-0,95 ... 10 bar	12 ms	21 ms
5777065270	9,5 VA	External	-0,95 ... 10 bar	12 ms	21 ms
5777065280	8,9 VA	External	-0,95 ... 10 bar	12 ms	21 ms
5777065220	9,4 VA	External	-0,95 ... 10 bar	12 ms	21 ms
5777065302	-	External	-0,95 ... 10 bar	-	-
5777150220	-	Internal	3 ... 10 bar	12 ms	21 ms
5777155270	9,5 VA	Internal	3 ... 10 bar	12 ms	21 ms

Part No.	basic valve with electrical connector	Weight
5777050210	-	0,39 kg
5777050220	-	0,39 kg
5777055270	-	0,39 kg
5777055280	-	0,39 kg
5777055220	-	0,39 kg
5777055302	Basic valve without coil	0,34 kg
5777060220	-	0,39 kg
5777065270	-	0,39 kg
5777065280	-	0,39 kg
5777065220	-	0,39 kg
5777065302	Basic valve without coil	0,34 kg
5777150220	-	0,39 kg
5777155270	-	0,39 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.

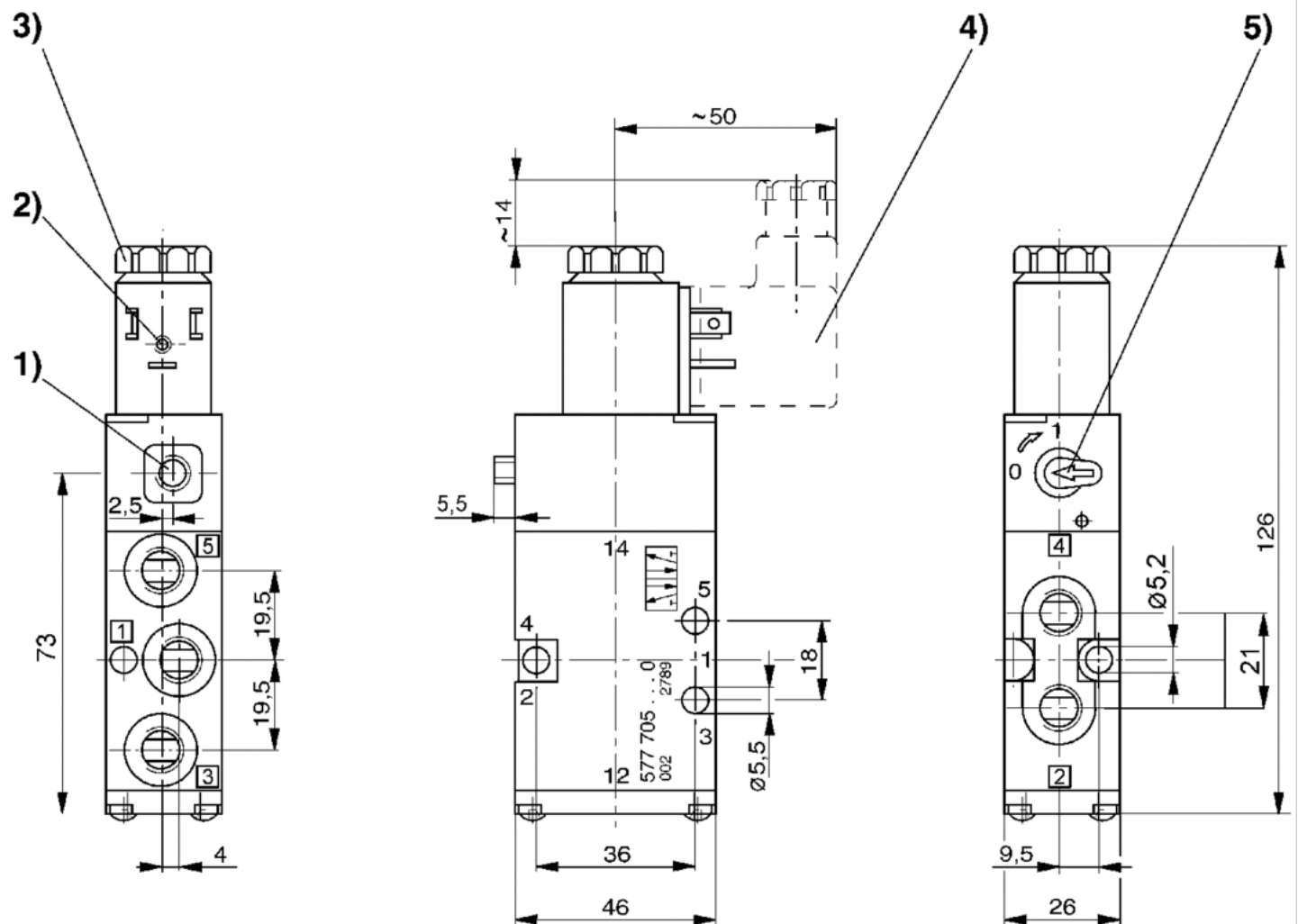
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

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

Dimensions

Dimensions



- 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

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