

## Directional valves ▶ Electrically operated

### 5/2-directional valve, Series CD04

- ▶ Qn = 900 l/min ▶ Pilot valve width: 26 mm ▶ pipe connection ▶ Compressed air connection output: G 1/8
- ▶ Electr. connection: Plug, EN 175301-803, form B ▶ Manual override: with detent ▶ single solenoid



00134134

Version	Spool valve, zero overlap
Sealing principle	Soft sealing
Mounting on manifold strip	P-strip
Working pressure min./max.	See table below
Control pressure min./max.	3 bar / 10 bar
Ambient temperature min./max.	-15°C / +50°C
Medium temperature min./max.	-15°C / +50°C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 mg/m³ - 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 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
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

#### Technical Remarks

- 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, see chapter „Technical information“.

Operational voltage			Voltage tolerance			Power consumption	Switch-on power		Holding power	
DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
						W	VA	VA	VA	VA
12 V	-	-	-10% / +10%	-	-	4.6	-	-	-	-
24 V	-	-	-10% / +10%	-	-	4.8	-	-	-	-
-	110 V	110 V	-	-20% / +10%	-10% / +20%	-	10.8	9.5	8.3	7.2
-	230 V	230 V	-	-20% / +10%	-10% / +20%	-	10.6	8.9	7.9	6.4
-	24 V	24 V	-	-20% / +10%	-10% / +20%	-	10.8	9.4	8.3	6.7

	MO	Compressed air connection					Operating voltage			Part No.
		Input	Output	Exhaust	Pilot Input	Pilot Exhaust	DC	AC 50 Hz	AC 60 Hz	
		G 1/8	G 1/8	G 1/8	-	M5	12 V	-	-	<b>5777050210</b>
							24 V	-	-	<b>5777050220</b>
							-	110 V	110 V	<b>5777055270</b>
							-	230 V	230 V	<b>5777055280</b>
							-	24 V	24 V	<b>5777055220</b>

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	MO	Compressed air connection					Operating voltage			Part No.
		Input	Output	Exhaust	Pilot Input	Pilot Exhaust	DC	AC 50 Hz	AC 60 Hz	
		G 1/8	G 1/8	G 1/8	-	M5	-	-	-	<b>5777055302</b>
		G 1/8	G 1/8	G 1/8	G 1/8	M5	24 V	-	-	<b>5777060220</b>
							-	110 V	110 V	5777065270
							-	230 V	230 V	<b>5777065280</b>
							-	24 V	24 V	<b>5777065220</b>
		G 1/8	G 1/8	G 1/8	G 1/8	M5	-	-	-	<b>5777065302</b>
		G 1/8	G 1/8	G 1/8	-	M5	24 V	-	-	<b>5777150220</b>
							-	110 V	110 V	5777155270

Part No.	Power consumption	Hold-ing power	Hold-ing power	Switch-on power	Switch-on power	Working pressure min./max.	Switch-on time	Switch-off time	Weight	Note					
											DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
											[W]	[VA]	[VA]	[VA]	[VA]
<b>5777050210</b>	4.6	-	-	-	-										
<b>5777050220</b>	4.8	-	-	-	-										
<b>5777055270</b>	-	8.3	7.2	10.8	9.5	3 / 10	12	21	0.39	1)					
<b>5777055280</b>	-	7.9	6.4	10.6	8.9										
<b>5777055220</b>	-	8.3	6.7	10.8	9.4										
<b>5777055302</b>	-	-	-	-	-	3 / 10	-	-	0.34	1); 3)					
<b>5777060220</b>	4.8	-	-	-	-										
5777065270	-	8.3	7.2	10.8	9.5	-0.95 / 10	12	21	0.39	2)					
<b>5777065280</b>	-	7.9	6.4	10.6	8.9										
<b>5777065220</b>	-	8.3	6.7	10.8	9.4										
<b>5777065302</b>	-	-	-	-	-	-0.95 / 10	-	-	0.34	2); 3)					
<b>5777150220</b>	4.8	-	-	-	-										
5777155270	-	8.3	7.2	10.8	9.5	3 / 10	12	21	0.39	1)					

MO = Manual override

1) Pilot: internal

2) Pilot: external

3) Basic valve without coil

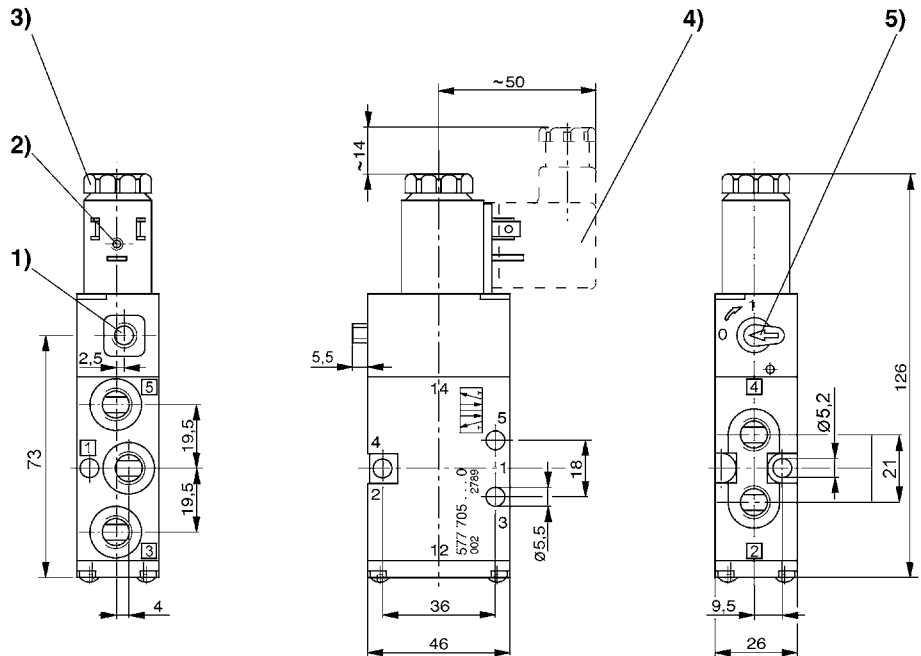
Nominal flow Qn at 6 bar and Δp = 1 bar

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Dimensions



D577\_705

- 1) only with separate pilot control G 1/8
- 2) coil can be rotated at 90° intervals
- 3) after removal of cap M 5 internal thread M5
- 4) electrical connector can be plugged at 180° intervals
- 5) manual override