





















## 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
- Manual override : with detent, without
- single solenoid
- Pilot : internal, external



Version	Spool valve, zero overlap
Activation	electrically
Sealing principle	Soft sealing
Working pressure min./max.	See table below
Control pressure min./max.	3 ... 10 bar
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 <sup>3</sup>
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	See table below
Duty cycle	100 %
Mounting on manifold strip	P-strip, PRS strip
Weight	See table below

## Technical data

Part No.		MO	Compressed air connection		
			Input	Output	Exhaust
5776070220			G 1/4	G 1/4	G 1/4
5776075280			G 1/4	G 1/4	G 1/4
5776080220			G 1/4	G 1/4	G 1/4
5776085280			G 1/4	G 1/4	G 1/4
5776075302			G 1/4	G 1/4	G 1/4
5776085302			G 1/4	G 1/4	G 1/4
R412004093			G 1/4	G 1/4	G 1/4
5776070360			G 1/4	G 1/4	G 1/4
5776085270			G 1/4	G 1/4	G 1/4
5776980220		-	G 1/4	G 1/4	G 1/4

Part No.	Compressed air connection		Operating voltage		
	Pilot Input	Pilot Exhaust	DC	AC 50 Hz	AC 60 Hz
5776070220	-	-	24 V	-	-
5776075280	-	-	-	230 V	230 V
5776080220	G 1/8	M5	24 V	-	-
5776085280	G 1/8	M5	-	230 V	230 V
5776075302	-	-	-	-	-
5776085302	G 1/8	M5	-	-	-
R412004093	-	-	24 V	-	-
5776070360	-	-	96 V	-	-
5776085270	G 1/8	M5	-	110 V	110 V
5776980220	-	-	24 V	-	-

Part No.	Voltage tolerance			Power consumption		Holding power	
	DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	
5776070220	-10% / +15%	-	-	2,1 W	-	-	
5776075280	-	-20% / +10%	-10% / +20%	-	4,8 VA	4,1 VA	
5776080220	-10% / +10%	-	-	2,1 W	-	-	
5776085280	-	-20% / +10%	-10% / +20%	-	4,8 VA	4,1 VA	
5776075302	-	-	-	-	-	-	
5776085302	-	-	-	-	-	-	
R412004093	-10% / +10%	-	-	2,1 W	-	-	
5776070360	-30% / +30%	-	-	5,8 W	-	-	
5776085270	-	-20% / +10%	-10% / +20%	-	4,3 VA	3,3 VA	
5776980220	-10% / +10%	-	-	2,1 W	-	-	

Part No.	Switch-on power		Pilot	Working pressure min./max.	Ambient temperature min./max.	Medium temperature min./max.
	AC 50 Hz	AC 60 Hz				
5776070220	-	-	internal	3 ... 10 bar	-25 ... 50 °C	-25 ... 50 °C
5776075280	6,9 VA	5,8 VA	internal	3 ... 10 bar	-25 ... 50 °C	-25 ... 50 °C
5776080220	-	-	external	-0,95 ... 10 bar	-25 ... 50 °C	-25 ... 50 °C
5776085280	6,9 VA	5,8 VA	external	-0,95 ... 10 bar	-25 ... 50 °C	-25 ... 50 °C
5776075302	-	-	internal	3 ... 10 bar	-25 ... 50 °C	-25 ... 50 °C
5776085302	-	-	external	-0,95 ... 10 bar	-25 ... 50 °C	-25 ... 50 °C
R412004093	-	-	internal	3 ... 10 bar	-10 ... 50 °C	-10 ... 50 °C

Part No.	Switch-on power	Switch-on power	Pilot	Working pressure min./max.	Ambient temperature min./max.	Medium temperature min./max.
	AC 50 Hz	AC 60 Hz				
5776070360	-	-	internal	3 ... 10 bar	-25 ... 50 °C	-25 ... 50 °C
5776085270	6,8 VA	5,7 VA	external	-0,95 ... 10 bar	-25 ... 50 °C	-25 ... 50 °C
5776980220	-	-	internal	3 ... 10 bar	-25 ... 50 °C	-25 ... 50 °C

Part No.	Typ. switch-on time	Typ. switch-off time	Compatibility index	Protection class	basic valve with electrical connector	ATEX	Weight
				with connection			
5776070220	25 ms	45 ms	13, 14	IP65	-	-	0,57 kg
5776075280	25 ms	45 ms	13, 14	IP65	-	-	0,57 kg
5776080220	25 ms	45 ms	13, 14	IP65	-	-	0,57 kg
5776085280	25 ms	45 ms	13, 14	IP65	-	-	0,57 kg
5776075302	-	-	13, 14	-	Basic valve without coil	ATEX optional	-
5776085302	-	-	13, 14	-	Basic valve without coil	ATEX optional	-
R412004093	25 ms	45 ms	13, 14	IP65	-	ATEX	0,57 kg
5776070360	25 ms	45 ms	14	IP65	-	-	0,57 kg
5776085270	25 ms	45 ms	14	IP65	-	-	0,57 kg
5776980220	25 ms	45 ms	14	IP65	-	-	0,57 kg

Nominal flow  $Q_n$  at 6 bar and  $\Delta p = 1$  bar, MO = Manual override, Nickel-plated armature guide (only suitable for DC variant), i.e. the base must not be equipped with AC coils.

## 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, see chapter „Technical information“.

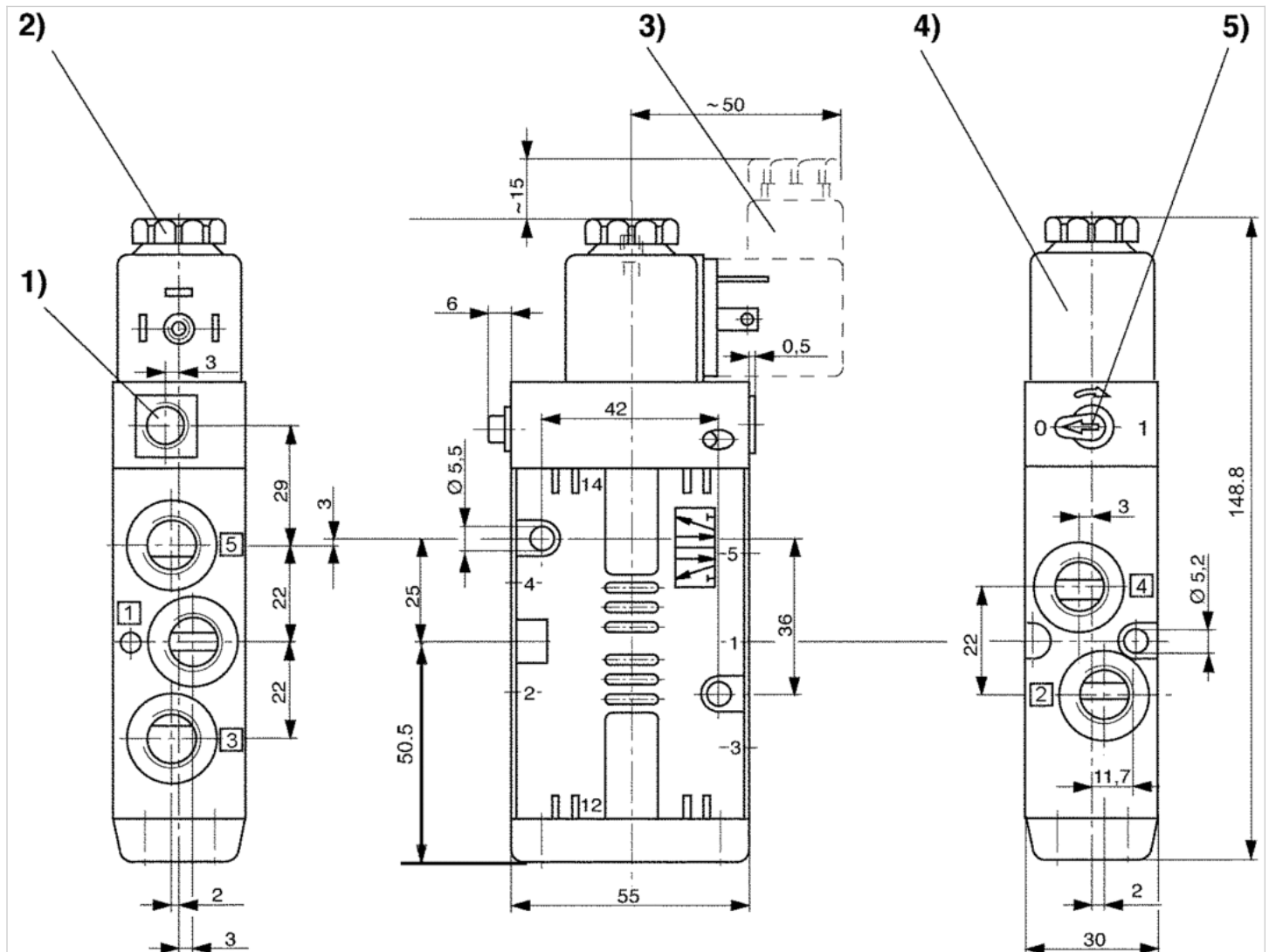
ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

## Technical information

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

## Dimensions

## Dimensions



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