







5/3-directional valve, Series CD07

- Valves with Namur port as per VDI/VDE3845
- 5/3
- $Q_n = 900 \text{ l/min}$
- Pilot valve width : 30 mm
- Pipe connection
- Compressed air connection output : Namur base plate
- Electrical connection : Plug, EN 175301-803, form A, 3-pin
- Manual override : with detent
- double solenoid
- Pilot : Internal
- ATEX optional



Type	Spool valve, positive overlapping
Activation	Electrically
Pilot	Internal
Sealing principle	Soft sealing
Standards	NAMUR
Working pressure min./max.	3 ... 10 bar
Ambient temperature min./max.	0 ... 50 °C
Medium temperature min./max.	0 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m ³
Nominal flow Q_n	900 l/min
Nominal flow 1 ► 2	See table below
Nominal flow 2 ► 3	See table below
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 %

Technical data

Part No.		MO	Compressed air connection	Compressed air connection
			Input	Output
R412011157			G 1/4	Namur base plate
R412011158			G 1/4	Namur base plate
R412011159			G 1/4	Namur base plate

Part No.	Compressed air connection	Compressed air connection	Nominal flow 1 ► 2
	Exhaust	Pilot Exhaust	
R412011157	G 1/4	M5	1070 l/min
R412011158	G 1/4	M5	1030 l/min
R412011159	G 1/4	M5	960 l/min

Part No.	Nominal flow 2 ▶ 3	basic valve with electrical connector	ATEX
R412011157	950 l/min	Basic valve without coil	ATEX optional
R412011158	880 l/min	Basic valve without coil	ATEX optional
R412011159	900 l/min	Basic valve without coil	ATEX optional

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.

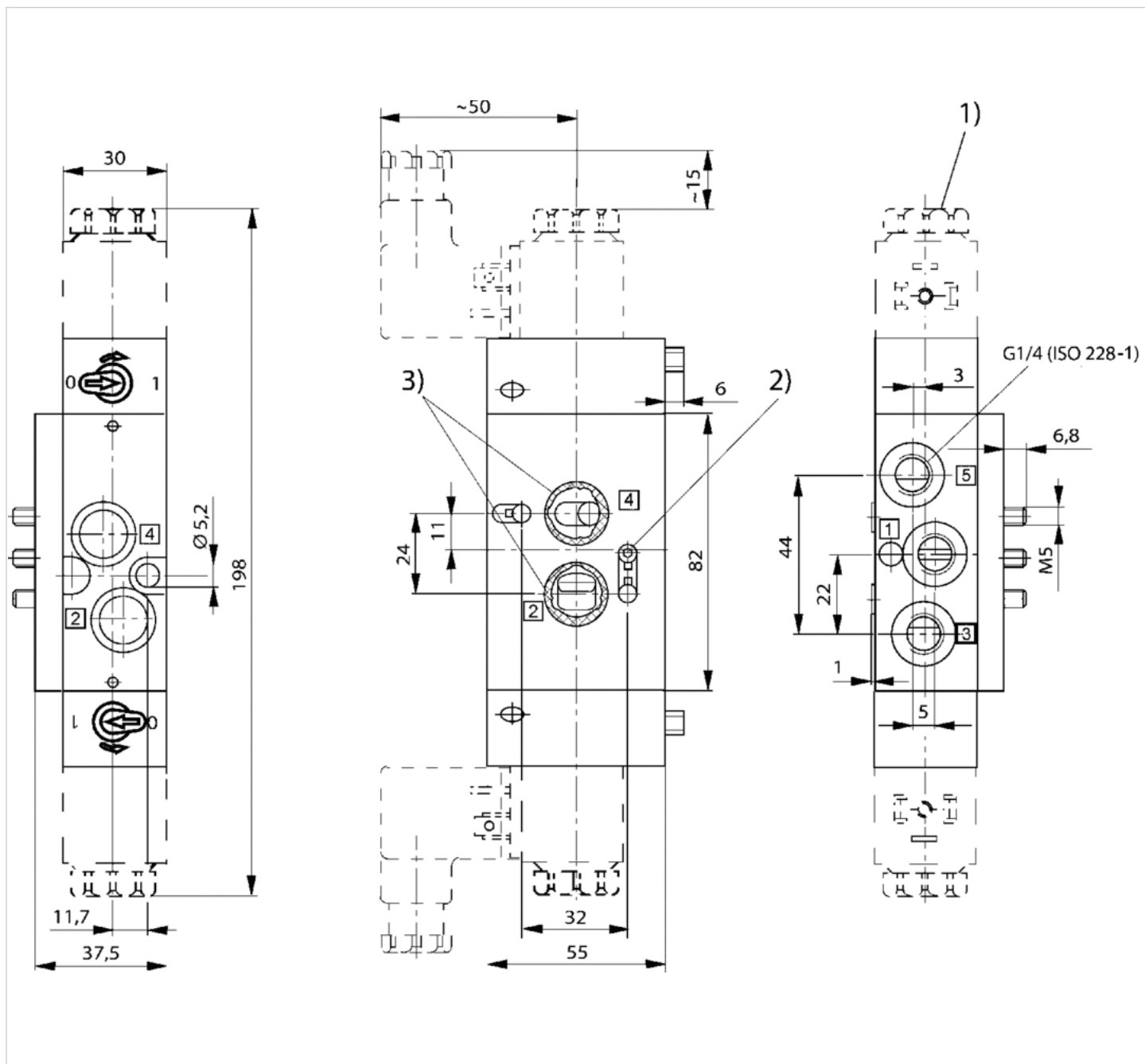
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

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

Dimensions

Dimensions



1) after removal of cap M 5 internal thread 2) threaded pin DIN 914 M5 x 20 3) O-ring 16 x 2 (included)

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