5/2-directional valve, Series CD12

- Qn = 4100 l/min
- Compressed air connection output M22x1,5
- With air spring return With spring return
- Pipe connection
- suitable for ATEX

Type	Spool valve, positive overlapping
Activation	pneumatically
Sealing principle	Soft sealing
Flow rate value Qn	4100 l/min
Working pressure min./max.	-0,95 ... 16 bar
Control pressure min./max.	2 ... 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/m³
Weight	0,86 kg

Technical data

Part No.		Compressed air connection	Compressed air connection
		Input	Output
5711000000		M22x1,5	M22x1,5
R412013343		M22x1,5	M22x1,5
R412013344		M22x1,5	M22x1,5

Part No.	Compressed air connection	Compressed air connection
	Exhaust	Pilot control exhaust
5711000000	M22x1,5	G 1/8
R412013343	M22x1,5	G 1/8
R412013344	M22x1,5	G 1/8

Part No.	Ambient temperature min./max.	Medium temperature min./max.	Fig.
5711000000	-25 ... 70 °C	-25 ... 70 °C	Fig. 2
R412013343	-15 ... 70 °C	-15 ... 70 °C	Fig. 1
R412013344	-25 ... 70 °C	-25 ... 70 °C	Fig. 2

Nominal flow Qn at 6 bar and Δp = 1 bar

Technical information

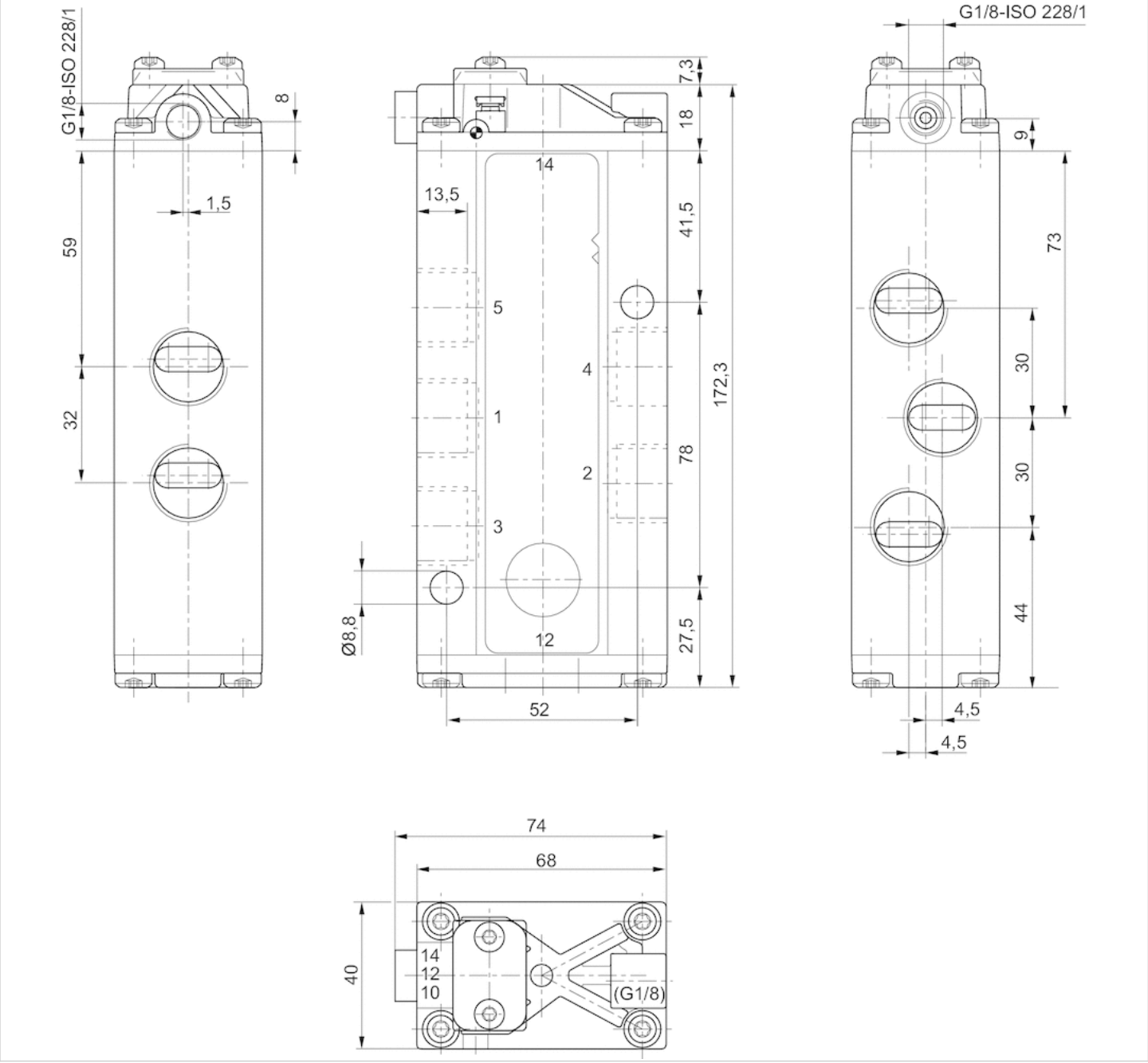
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Housing	Aluminum Polyamide fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber Polyurethane

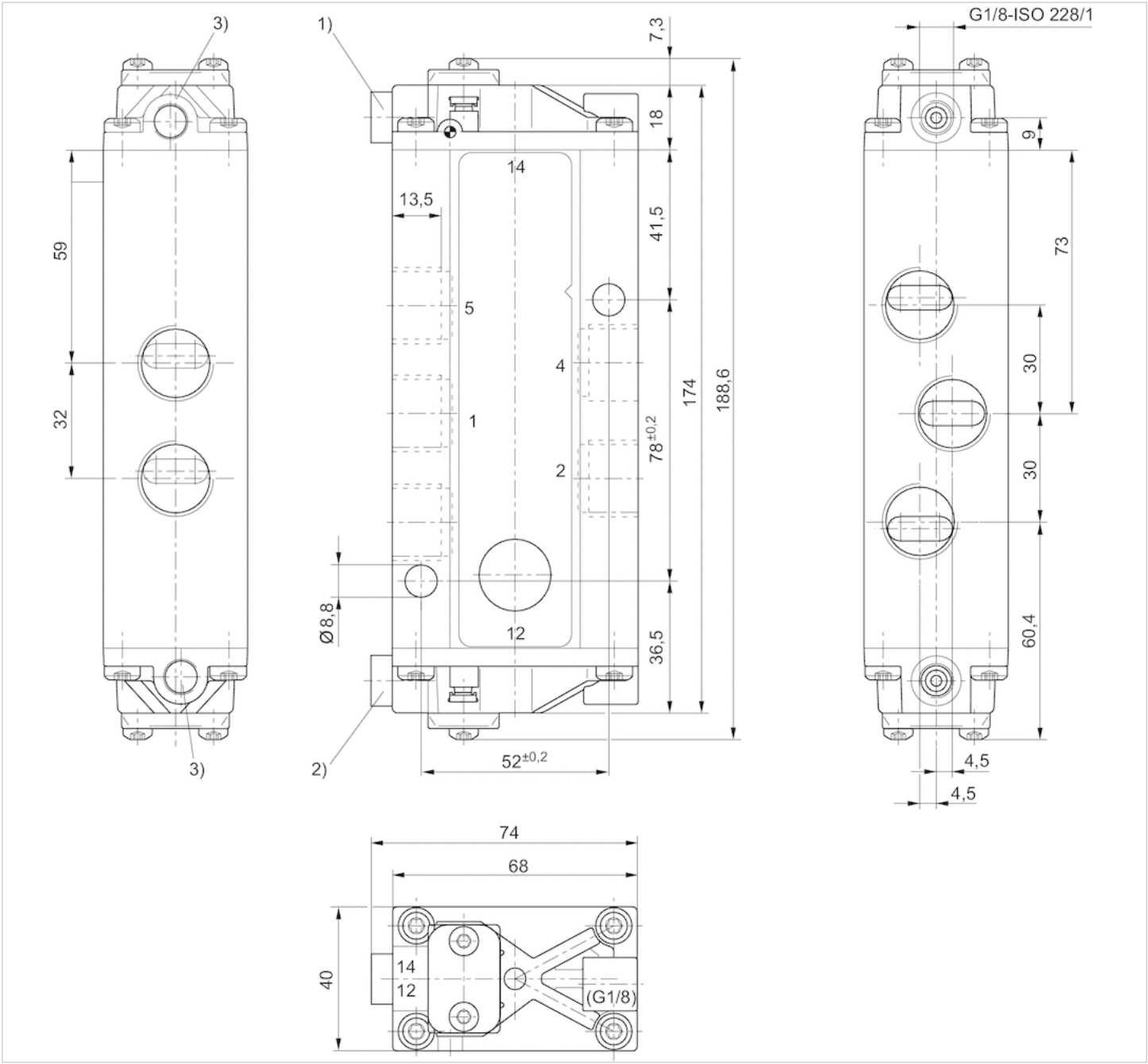
Dimensions

Fig. 1, Single air pilot



1) Port 14
2) Vent port of piston

Fig. 2, double air pilot



1) Port 14
2) Port 12
3) Port without function

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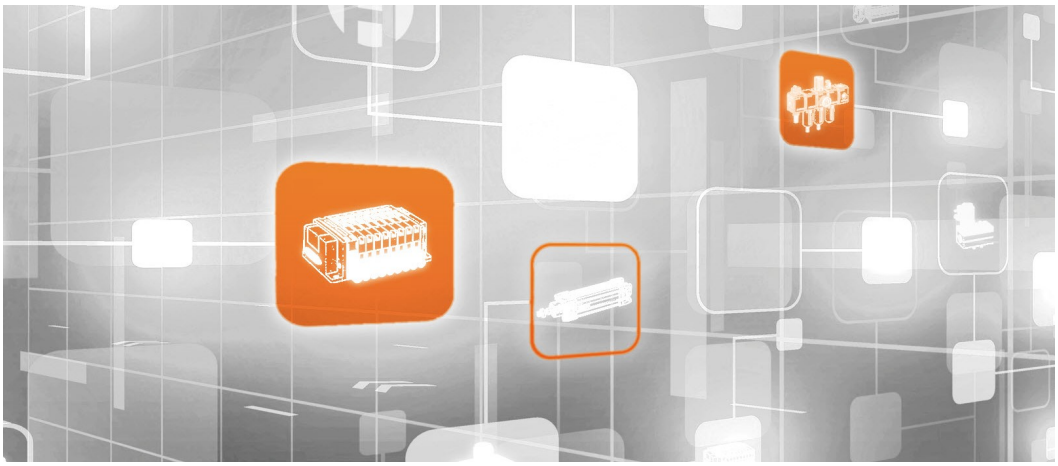

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