

5/2-directional valve, Series CD12

- $Q_n = 4100 \text{ l/min}$
- $Q_n 1 \rightarrow 2 = 4100 \text{ l/min}$
- Compressed air connection output G 1/2
- 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 Q_n	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/m ³
Weight	0,86 kg

Technical data

Part No.		Compressed air connection	
		Input	Output
5711000100		G 1/2	G 1/2
5711000300		G 1/2	G 1/2
5711001100		G 1/2	G 1/2

Part No.	Compressed air connection		Flow $Q_n 1 \rightarrow 2$
	Exhaust	Pilot control exhaust	
5711000100	G 1/2	G 1/8	-
5711000300	G 1/2	G 1/8	-
5711001100	G 1/2	G 1/8	4100 l/min

Part No.	Ambient temperature min./max.	Medium temperature min./max.	Fig.
5711000100	-25 ... 70 °C	-25 ... 70 °C	Fig. 2
5711000300	-15 ... 70 °C	-15 ... 70 °C	Fig. 1
5711001100	-25 ... 70 °C	-25 ... 70 °C	Fig. 2

Nominal flow Q_n at 6 bar and $\Delta p = 1 \text{ bar}$

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.

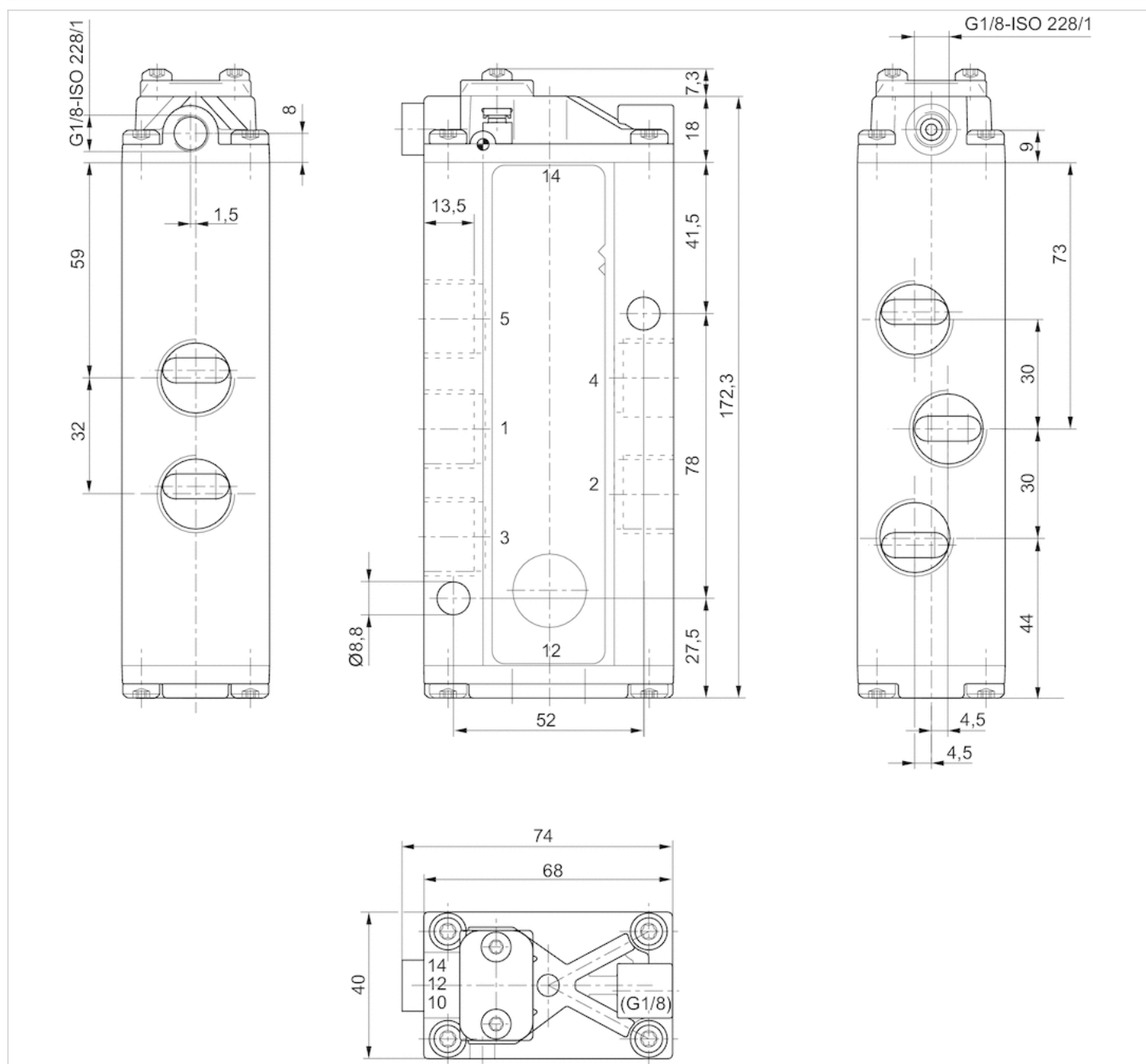
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

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

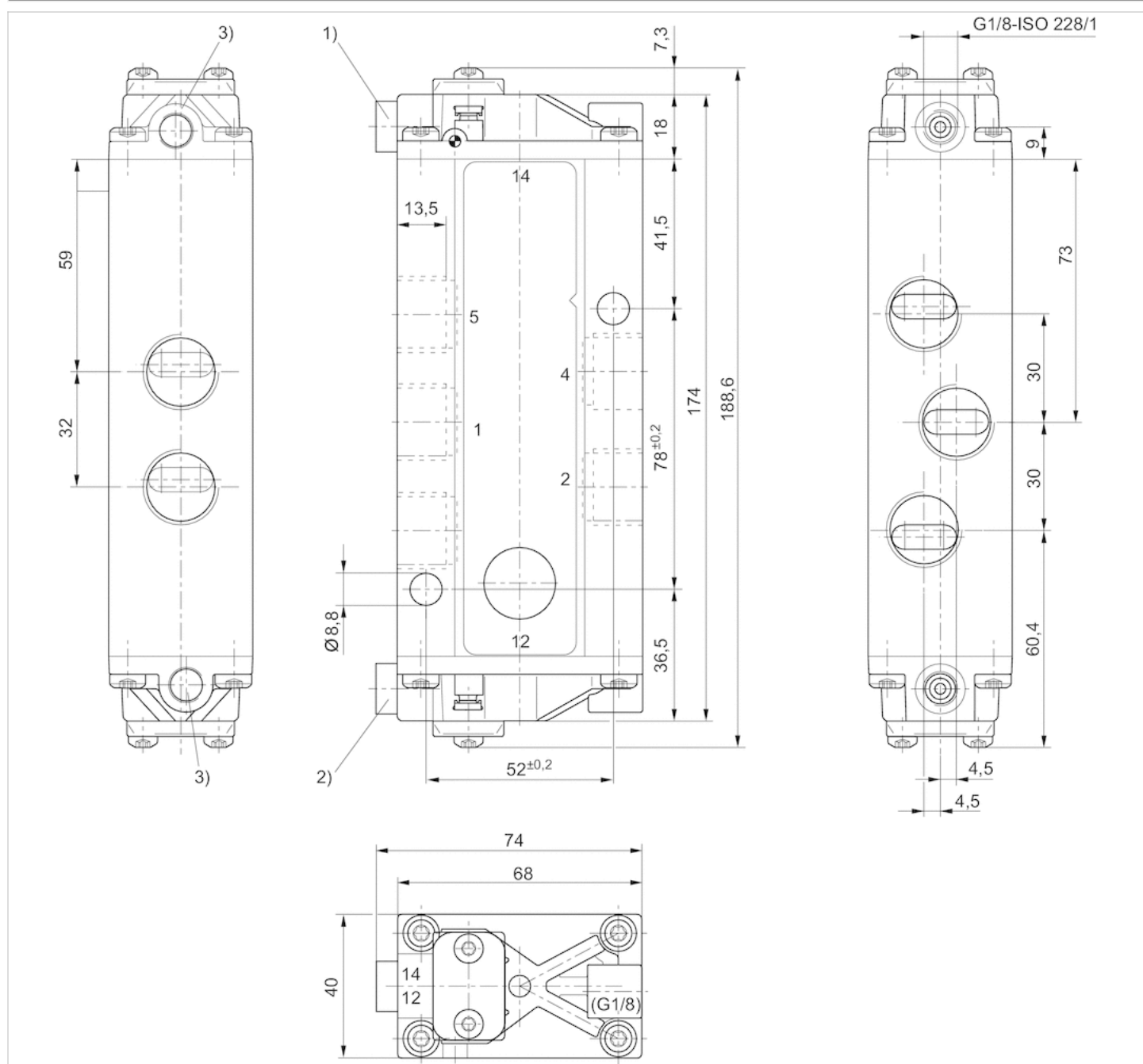
Dimensions

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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