

5/2-directional valve, Series CD12, Single Air Pilot

R412013343

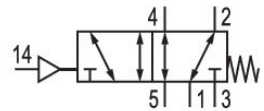
Series
CD12

2025-12-10

Series CD12

$Q_n = 3600 \dots 4100 \text{ l/min}$

- Durable design
- Assembly on base plate
- Suitable for extreme ambient temperatures
- Resistant to voltage fluctuations
- ATEX version available



Technical data

Industry

Activation

Valve type

Switching principle

Sealing principle

Connection type

Industrial

Pneumatically

Spool valve, positive overlapping

5/2, with spring return

Soft seal

Pipe connection

Compressed air connection input

M22x1,5

Compressed air connection output

M22x1,5

Compressed air connection, exhaust

M22x1,5

Compressed air connection pilot input

G 1/8

Nominal flow Q_n

4100 l/min

Min. working pressure

-0.95 bar

Max. working pressure

16 bar

Min. control pressure

2 bar

Max. control pressure

10 bar

ATEX

Suitable for ATEX

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Min. ambient temperature	-15 °C
Max. ambient temperature	70 °C
Min. medium temperature	-15 °C
Max. medium temperature	70 °C
Medium	Compressed air
Min. oil content of compressed air	0 mg/m ³
Max. oil content of compressed air	1 mg/m ³
Max. particle size	50 µm
Weight	0.86 kg

Material

Housing material	Aluminum Polyamide, fiber-glass reinforced
Seal material	Acrylonitrile butadiene rubber Polyurethane
Part No.	R412013343

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 less than 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 <https://www.emerson.com/en-us/support>).

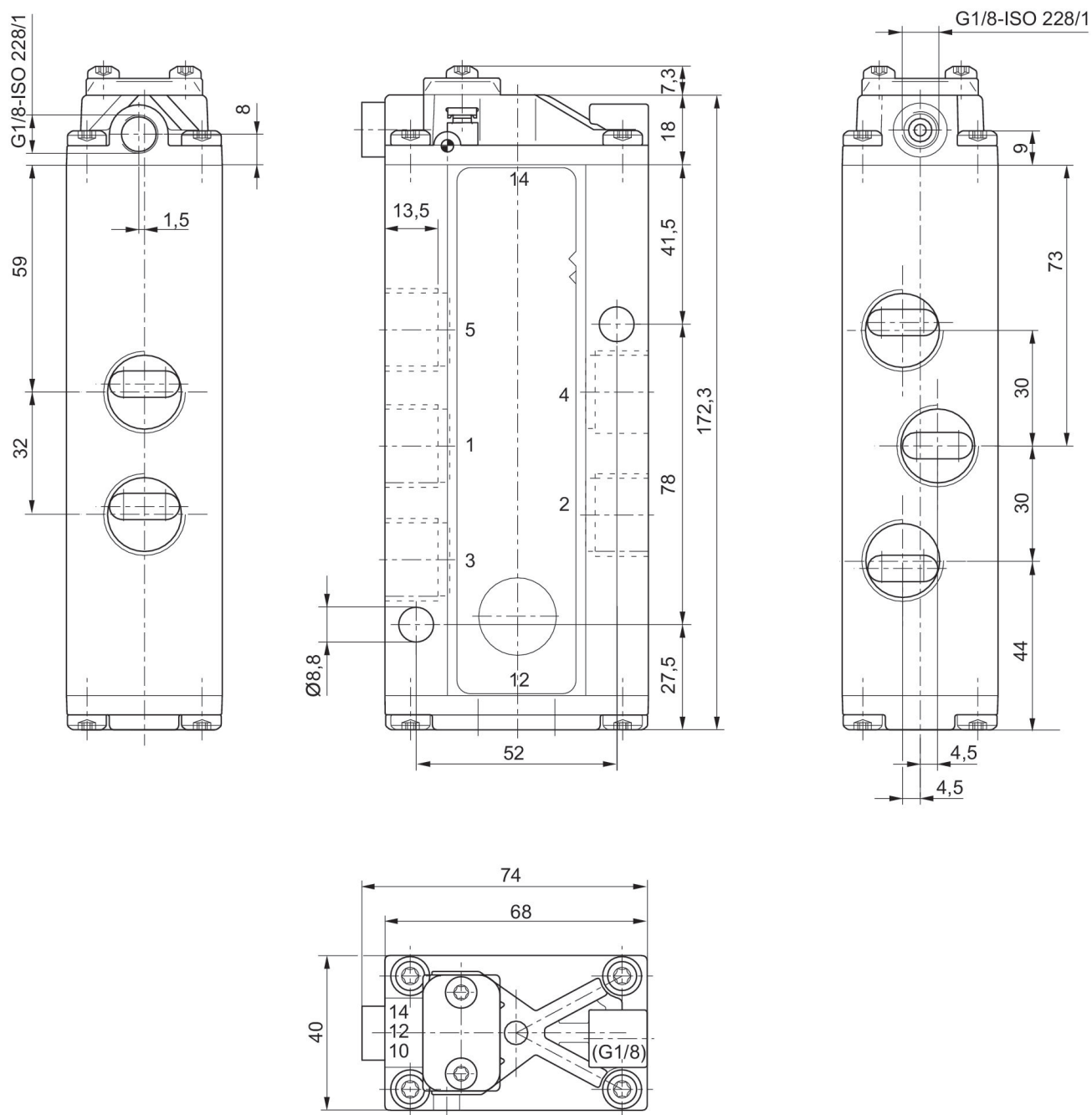
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Dimensions



1) Port 14 2) Vent port of piston