

5/3-directional valve, Series CD07, Double Air Pilot

5710502100

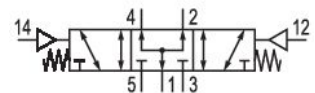
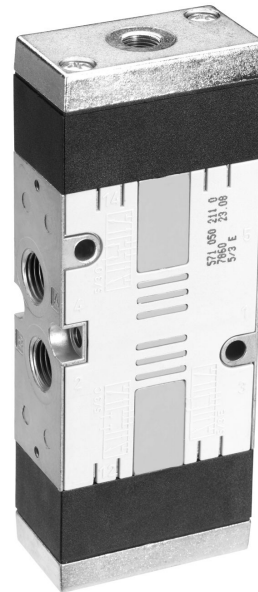
CD07

2026-01-07

AVENTICS Series CD07 Directional valves

$Q_n = 900 \dots 1400 \text{ l/min}$

- Durable design
- Assembly on base plate
- Suitable for extreme ambient temperatures
- ATEX version available



Technical data

Industry

Activation

Frame size

Valve type

Switching principle

Valve function

Sealing principle

Connection type

Industrial

Pneumatically operated

CD07

Spool valve, positive overlapping

5/3, pressurized center

Pressurized Center

Soft seal

Pipe connection

Compressed air connection

Standard compressed air connection

Compressed air connection input

Compressed air connection output

Compressed air connection, exhaust

Compressed air connection pilot input

Compressed air connection pilot exhaust

G 1/4

according to ISO 228-1

G 1/4

G 1/4

G 1/4

G 1/8

G 1/8

Nominal flow Q_n

900 l/min

Nominal flow Q_n 1 to 2

960 l/min

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Min. working pressure	-0.95 bar
Max. working pressure	10 bar
Min. control pressure	3 bar
Max. control pressure	10 bar
Temperature resistance	-25 °C cold-resistant
Certificates	Suitable for ATEX
ATEX	Suitable for ATEX
Min. ambient temperature	-25 °C
Max. ambient temperature	80 °C
Min. medium temperature	-25 °C
Max. medium temperature	80 °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
Mounting on manifold strip	P-strip PRS strip
Weight	1.15 kg

Material

Housing material	Die cast zinc Polyamide, fiber-glass reinforced
Seal material	Acrylonitrile butadiene rubber
Part No.	5710502100

Technical information

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

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>).

2026-01-07

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