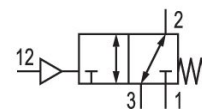


AVENTICS Series CD07 Directional valves

Qn = 900 ... 1400 l/min

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



Technical data

Industry	Industrial
Activation	Pneumatically operated
Frame size	CD07
Valve type	Spool valve, positive overlapping
Switching principle	3/2, with spring return
Valve function	NC/NO
Sealing principle	Soft seal
Connection type	Pipe connection
Compressed air connection	G 1/4
Compressed air connection input	G 1/4
Compressed air connection output	G 1/4
Compressed air connection, exhaust	G 1/4
Compressed air connection pilot exhaust	G 1/8
Nominal flow Qn	1400 l/min
Min. working pressure	-0.95 bar
Max. working pressure	10 bar

Min. control pressure	3 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
Weight	0.4 kg

Material

Housing material	Die cast zinc
Seal material	Acrylonitrile butadiene rubber
Part No.	5710400100

Technical information

option valve: The input and output compressed air connections can be exchanged. The valve can thereby be used in the NC or NO operating mode.

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>).

3/2-directional valve, Series CD07

5710400100

CD07

2026-01-07

Dimensions in mm

