

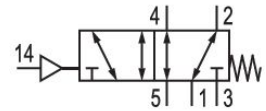
5/2-directional valve, Series CD07, Single Air Pilot

R432016611

2025-12-08

Series CD07

Q_n = 900 ... 1400 l/min



Technical data

Industry

Activation

Frame size

Valve type

Switching principle

Sealing principle

Connection type

Industrial

Pneumatically operated

CD07 - inch

Spool valve, positive overlapping

5/2, with spring return

Soft seal

Pipe connection

Compressed air connection

Compressed air connection input

Compressed air connection output

Compressed air connection, exhaust

Compressed air connection pilot input

1/4 NPT

1/4 NPT

1/4 NPT

1/4 NPT

1/8-27 NPTF

Nominal flow Q_n

Nominal flow Q_n 1 to 2

Nominal flow Q_n 2 to 3

1200 l/min

1200 l/min

1200 l/min

Max. working pressure

10 bar

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Min. control pressure	3 bar
Max. control pressure	10 bar
Temperature resistance	-30 °C cold-resistant
Min. ambient temperature	-30 °C
Max. ambient temperature	80 °C
Min. medium temperature	-30 °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	0.5 kg

Material

Housing material	Die cast zinc
Seal material	Acrylonitrile butadiene rubber
Part No.	R432016611

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 in inches

