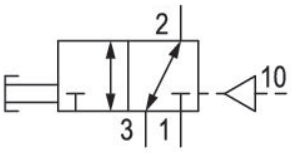
3/2-directional valve, Series CD07

5634461100

AVENTICS Series CD07 Directional valves

- Qn = 1200 ... 1400 l/min



Technical data

Industry	Industrial
Activation	Mechanical
Frame size	CD07
Valve type	Spool valve, positive overlapping
Switching principle	3/2, double solenoid
Valve function	NC/NO
Actuating control	Single Air Pilot
Plate connection	Pipe connection
Actuating element	Button
Sealing principle	soft seal

Compressed air connection	G 1/4
Compressed air connection type	Internal thread
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 input	G 1/8
Nominal flow Qn	1400 l/min
Working pressure min.	-0.95 bar
Working pressure max	10 bar
Control pressure min.	2 bar
Control pressure max.	10 bar
actuating force min.	40 N
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
Oil content of compressed air min.	0 mg/m³
Oil content of compressed air max.	1 mg/m³
Max. particle size	50 µm
Weight	0.45 kg

Material

Housing material	Die cast zinc Polyamide fiber-glass reinforced
Seal material	Acrylonitrile butadiene rubber
Material actuating control	Polyoxymethylene
Part No.	5634461100

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.

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

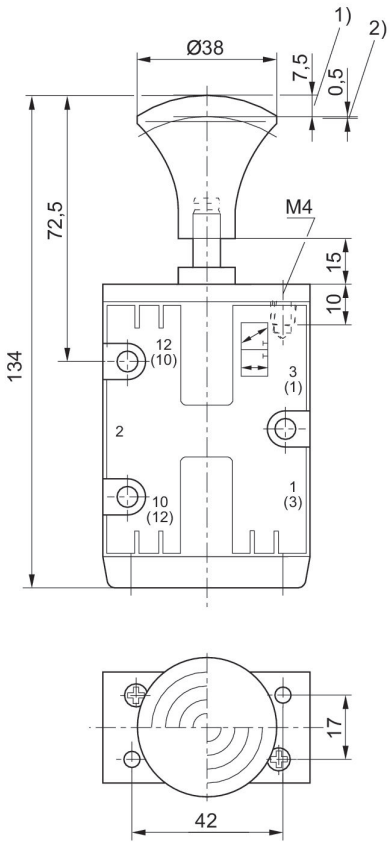
The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

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).

Dimensions

Fig. 8



1) Stroke 2) Overstroke