

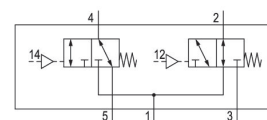
2x3/2-directional valve, Series TC08

2024-05-14

R422102096

Series TC08

$Q_n = [[600] \text{ l/min}] \dots [[800] \text{ l/min}]$



Technical data

Industry

Activation

Valve type

Valve function

Sealing principle

Connection type

Industrial

Pneumatically

Spool valve

NC/NO

Soft seal

Pipe connection

Compressed air connection input

Compressed air connection output

Compressed air connection, exhaust

Compressed air connection pilot input

G 1/8

G 1/8

G 1/8

M5

Nominal flow Q_n

Flow conductance b

Flow conductance C

600 l/min

0.27

2.8 l/(s*bar)

Min. working pressure

Max. working pressure

Min. control pressure

-0.9 bar

10 bar

2.5 bar

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Max. control pressure	10 bar
Pilot	External
Min. ambient temperature	-10 °C
Max. ambient temperature	50 °C
Min. medium temperature	-10 °C
Max. medium temperature	50 °C
Medium	Compressed air
Min. oil content of compressed air	0 mg/m ³
Max. oil content of compressed air	5 mg/m ³
Max. particle size	5 µm
Mounting on manifold strip	P-strip
Mounting screw tightening torque	2 Nm
Weight	0.113 kg

Material

Housing material	Polyamide fiber-glass reinforced
Seal material	Acrylonitrile butadiene rubber
Material, front cover	Polyamide fiber-glass reinforced
Material threaded bushing	Brass
	Die cast zinc
Surface threaded bushing	chrome-plated
	nickel-plated
Part No.	R422102096

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.

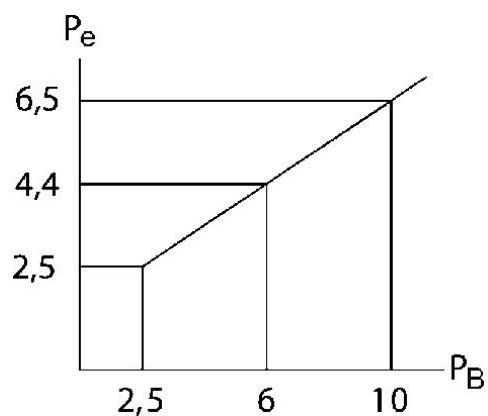
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in <https://www.emerson.com/en-us/support>).

R422102096

Dimensions



Control pressure



P_e = external control pressure, min.
 P_B = Working pressure