

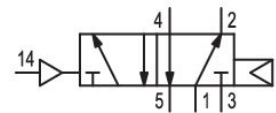
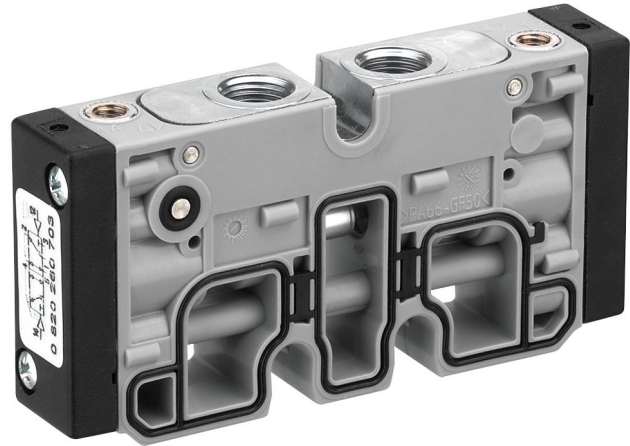
5/2-directional valve, Series TC08

2024-05-14

0820260701

Series TC08

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



Technical data

Industry

Industrial

Activation

Pneumatically

Valve type

Spool valve, positive overlapping

Sealing principle

Soft seal

Connection type

Plate connection

Pipe connection

Compressed air connection input

G 1/8

Compressed air connection output

G 1/8

Compressed air connection, exhaust

G 1/8

Compressed air connection pilot input

M5

Nominal flow Q_n

800 l/min

Flow conductance b

0.36

Flow conductance C

3.5 l/(s*bar)

Min. working pressure

2.5 bar

Max. working pressure

10 bar

Min. control pressure

2.5 bar

Max. control pressure	10 bar
Pilot	External
Blocking principle	Plate principle
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	0.09 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.	0820260701

Technical information

Caution: The minimum control pressure depends on the working pressure (see "Control pressure" diagram below).

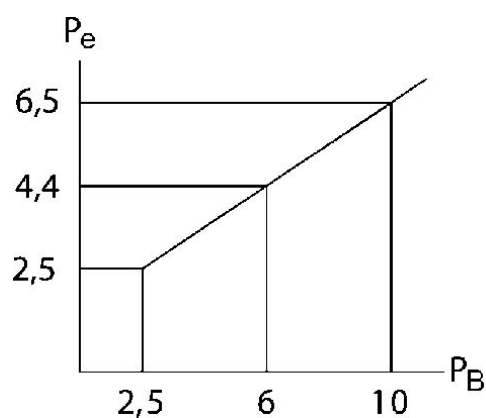
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

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>).

Control pressure



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