

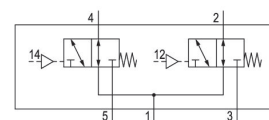
# 2x3/2-directional valve, Series TC08

2024-05-14

R422102095

## 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

NO/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

|                                    |                     |
|------------------------------------|---------------------|
| 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 <sup>3</sup> |
| Max. oil content of compressed air | 5 mg/m <sup>3</sup> |
| 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.                  | R422102095                       |

## 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.

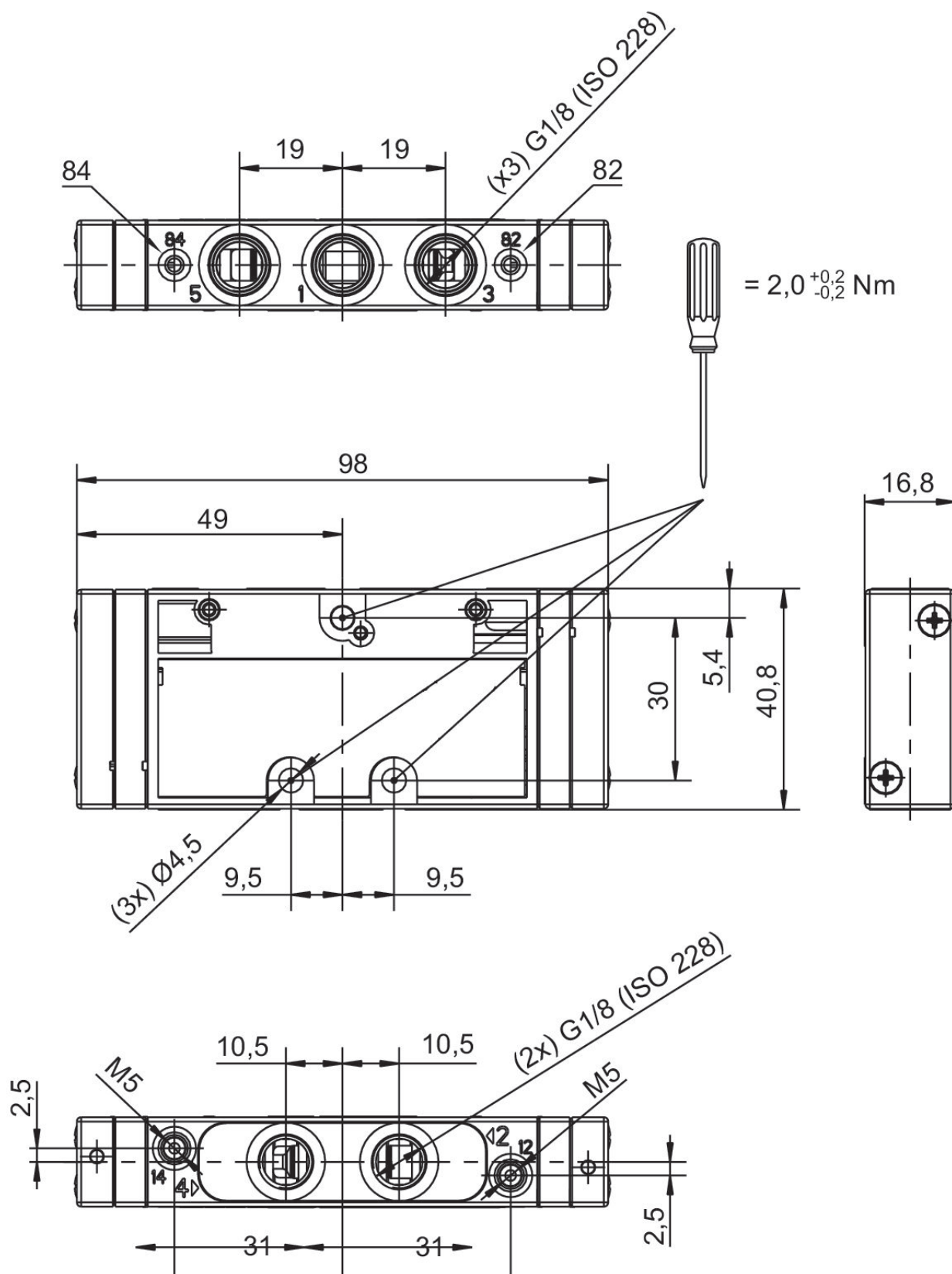
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in <https://www.emerson.com/en-us/support>).

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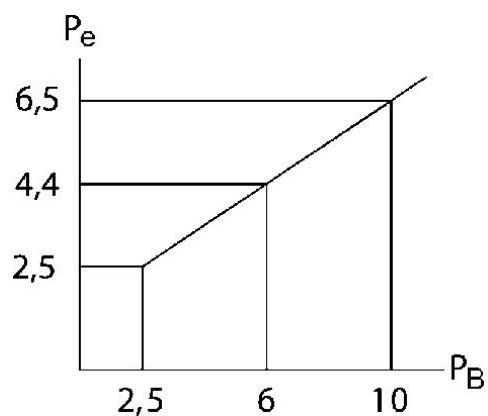
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## Dimensions



## Control pressure



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