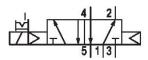
AVENTICS Series TC08 Directional valves

The AVENTICS Series TC08/TC15 includes a wide range of spool valves with housings made of high-performance polymers with robust and flexible metal inserts. It is designed for flow rate performances from 800 to 1500 l/min. These directional valves are easy to assemble, making them ideal for applications requiring the highest efficiency in limited spaces.





Technical data Industry Activation Valve type Switching principle Actuating control Sealing principle Manual override

Standard compressed air connection Compressed air connection input Compressed air connection output Compressed air connection, exhaust Compressed air connection pilot exhaust

Nominal flow Qn Flow conductance b Flow conductance C

Min. working pressure

Industrial Electrically Spool valve, negative overlapping 5/2, with air spring return Double Solenoid Soft seal with detent

according to ANSI B1.20.3 1/8-27 NPTF 1/8-27 NPTF 1/8-27 NPTF M5

800 I/min 0.36 3.5 I/(s*bar)

-0.9 bar



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| | 20 |
|-------------------|---|
| 10 bar | |
| 2.5 bar | |
| 10 bar | |
| Plug | |
| ISO 15217, form C | |
| ISO 15217 | |
| IP65 | |
| 24 V DC | |
| 24 V | |
| -10 % / +10 % | |
| External | |
| 15 mm | |
| 2 W | |
| 185 Ω | |
| 100 % | |
| 14 ms | |
| 18 ms | |
| EN 50081-2:1993 | |
| EN 50082-2 | |
| -10 °C | |
| 50 °C | |
| -10 °C | |
| 50 °C | |
| Compressed air | |
| 0 mg/m³ | |
| 5 mg/m³ | |
| 50 μm | |
| P-strip | |
| 2 Nm | |
| 100 m T | |
| ±0,2 mT | |
| | 10 bar 2.5 bar 10 bar Plug ISO 15217, form C ISO 15217 IP65 24 V DC 24 V -10 % / +10 % External 15 mm 2 W 185 Ω 100 % 14 ms 18 ms EN 50081-2:1993 EN 50082-2 -10 °C 50 °C -10 °C 50 °C Compressed air 0 mg/m ³ 5 mg/m ³ 50 μ m |

Material Housing material

Polyamide fiber-glass reinforced



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| Seal material | |
|---------------------------|--|
| Material threaded bushing | |

Material front plate

Acrylonitrile butadiene rubber Brass Die cast zinc Polyamide fiber-glass reinforced

Part No.

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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).

Dimensions in inches

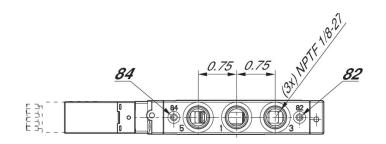


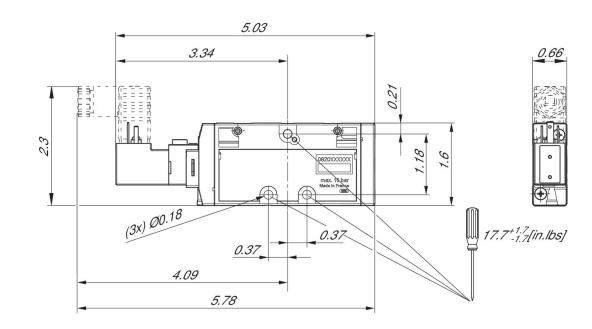
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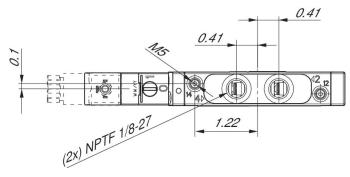
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Double Solenoid







Dimensions in mm



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Double Solenoid

