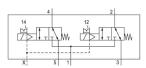
- Qn = 1100 l/min ... 1500 l/min
- 2x3/2, 5/2, 5/3 Spool valves with polyamide housing
- Pneumatic connection G1/4, 1/4-18 NPTF
- Working pressure min./max. -0.9/10 bar
- Voltage 12 V DC, 24 V DC, 24 V AC, 110 V AC,230 V AC
- Electrical connection ISO form C, M8 3-pin; M8 4-pin

AVENTICS Series TC15 Valve systems

The AVENTICS Series TC15 valve system is the perfect choice for applications calling for lightweight valves with high flow rate in a small space. With valves operated either pneumatically or electrically, the valve system can be modularly expanded to up to 12 valves. Valves can be exchanged without dismantling the valve block.





Technical data Industry Activation Valve type Valve function Actuating control Sealing principle Connection type

Manual override

Compressed air connection output

Nominal flow Qn Flow conductance b Flow conductance C

Min. working pressure Max. working pressure Min. control pressure Industrial Electrically Spool valve, positive overlapping NC/NC Double Solenoid Soft seal Plate connection Pipe connection with detent

1/4 - 18 NPTF

1100 l/min 0.25 5.9 l/(s*bar)

-0.9 bar 10 bar 3 bar



2x3/2-directional valve, Series TC15 - inch

R422102260

R422102260	2024-07-30
Max. control pressure	10 bar
Electrical connection type	Plug
Electrical connection size	ISO 15217, form C
Connector standard	ISO 15217
Protection class with connection	IP65
Operational voltage	24 V DC
Operational voltage DC	24 V
Voltage tolerance DC	-10 % / +10 %
Pilot	External
Coil width	15.6 mm
Pilot valve width	15 mm
Power consumption DC	2 W
Nominal resistance	185 Ω
Duty cycle	100 %
Typ. switch-on time	12 ms
Typ. switch-off time	16 ms
Generic emission standard in accordance with	EN 50081-2:1993
Blocking principle	Plate principle
Can be assembled into blocks	Can be assembled into blocks
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/m³
Max. oil content of compressed air	5 mg/m³
Max. particle size	5 μm
Weight	0.25 kg
Material	
Housing material	Polyamide fiber-glass reinforced
Seal material	Acrylonitrile butadiene rubber
•• • • • •	Hydrogenated nitrile butadiene rubber
Material threaded bushing	Brass



Series TC15 2x3/2-directional valve, Series TC15 - inch

R422102260

TC15 2024-07-30

Series

Material front plate

Die cast zinc Polyamide fiber-glass reinforced

Part No.

R422102260

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).

