

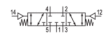

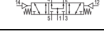
5/3-directional valve, Series TC15

- Qn = 1300 l/min
- Compressed air connection output G 1/4
- Plate connection, Pipe connection



Version	Spool valve, positive overlapping
Activation	Pneumatically
Pilot	external
Sealing principle	Soft sealing
Blocking principle	Plate principle
Flow rate value Qn	1300 l/min
Working pressure min./max.	-0,9 ... 10 bar
Control pressure min./max.	3 ... 10 bar
Ambient temperature min./max.	-10 ... 50 °C
Medium temperature min./max.	-10 ... 50 °C
Max. particle size	5 µm
Oil content of compressed air	0 ... 1 mg/m ³
Rail mounting DIN EN 60715	TH35 x 15
Weight	0,174 kg

Technical data

Part No.			Compressed air connection	
			Input	
0820259701		closed center	G 1/4	
0820259702		exhausted center	G 1/4	
0820259703		pressurized center	G 1/4	

Part No.	Compressed air connection		Compressed air connection	
	Output		Exhaust	
0820259701	G 1/4		G 1/4	
0820259702	G 1/4		G 1/4	
0820259703	G 1/4		G 1/4	

Part No.	Compressed air connection		Flow conductance	Flow conductance
	Pilot control exhaust		b	C-value
0820259701	M5		0,31	5,9 l/(s*bar)
0820259702	M5		0,31	5,9 l/(s*bar)
0820259703	M5		0,31	5,9 l/(s*bar)

Nominal flow Qn at 6 bar and $\Delta p = 1$ bar

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 under 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 the MediaCentre).

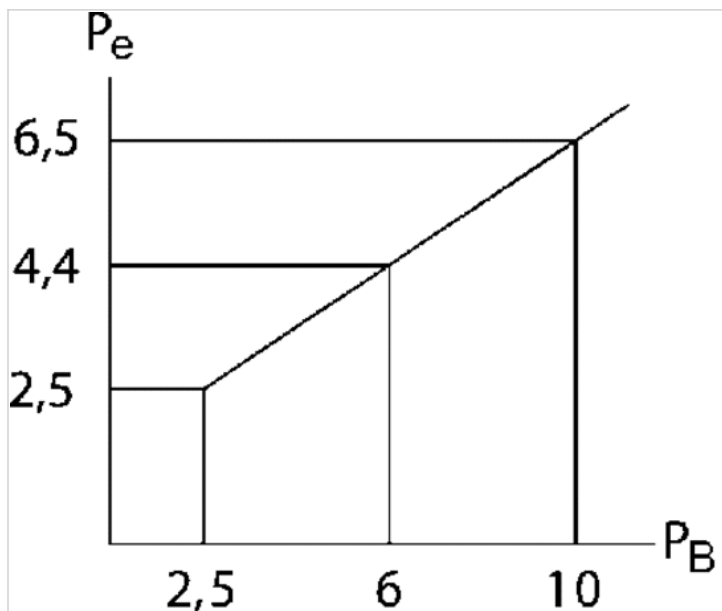
Technical information

Material

Housing	Polyamide, fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber
Front plate	Polyamide, fiber-glass reinforced
Threaded bushing	Brass Die cast zinc, chrome-plated nickel-plated

Diagrams

Control pressure



P_e = external control pressure, min.

P = Working pressure