





5/2-directional valve, Series TC08

- Qn = 800 l/min
- Compressed air connection output G 1/8
- With air spring return With spring/air spring return With differential piston
- Plate connection, Pipe connection



Type	Spool valve, positive overlapping
Activation	pneumatically
Pilot	External
Sealing principle	Soft sealing
Blocking principle	Plate principle
Flow rate value Qn	800 l/min
Working pressure min./max.	See table below
Control pressure min./max.	See table below
Ambient temperature min./max.	-10 ... 50 °C
Medium temperature min./max.	-10 ... 50 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 5 mg/m ³
Mounting on manifold strip	P-strip
Mounting screw tightening torque	2 Nm
Weight	0,09 kg

Technical data

Part No.		Compressed air connection	Compressed air connection
		Input	Output
0820260701		G 1/8	G 1/8
0820260702		G 1/8	G 1/8
0820260703		G 1/8	G 1/8
0820260704		G 1/8	G 1/8

Part No.	Compressed air connection	Compressed air connection	Flow conductance
	Exhaust	Pilot control exhaust	b
0820260701	G 1/8	M5	0,36
0820260702	G 1/8	M5	0,36
0820260703	G 1/8	M5	0,36
0820260704	G 1/8	M5	0,36

Part No.	Flow conductance	Working pressure min./max.	Control pressure min./max.
	C-value		
0820260701	3,5 l/(s*bar)	2,5 ... 10 bar	2,5 ... 10 bar
0820260702	3,5 l/(s*bar)	3 ... 10 bar	3 ... 10 bar
0820260703	3,5 l/(s*bar)	-0,9 ... 10 bar	2 ... 10 bar
0820260704	3,5 l/(s*bar)	-0,9 ... 10 bar	2,5 ... 10 bar

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

Technical information

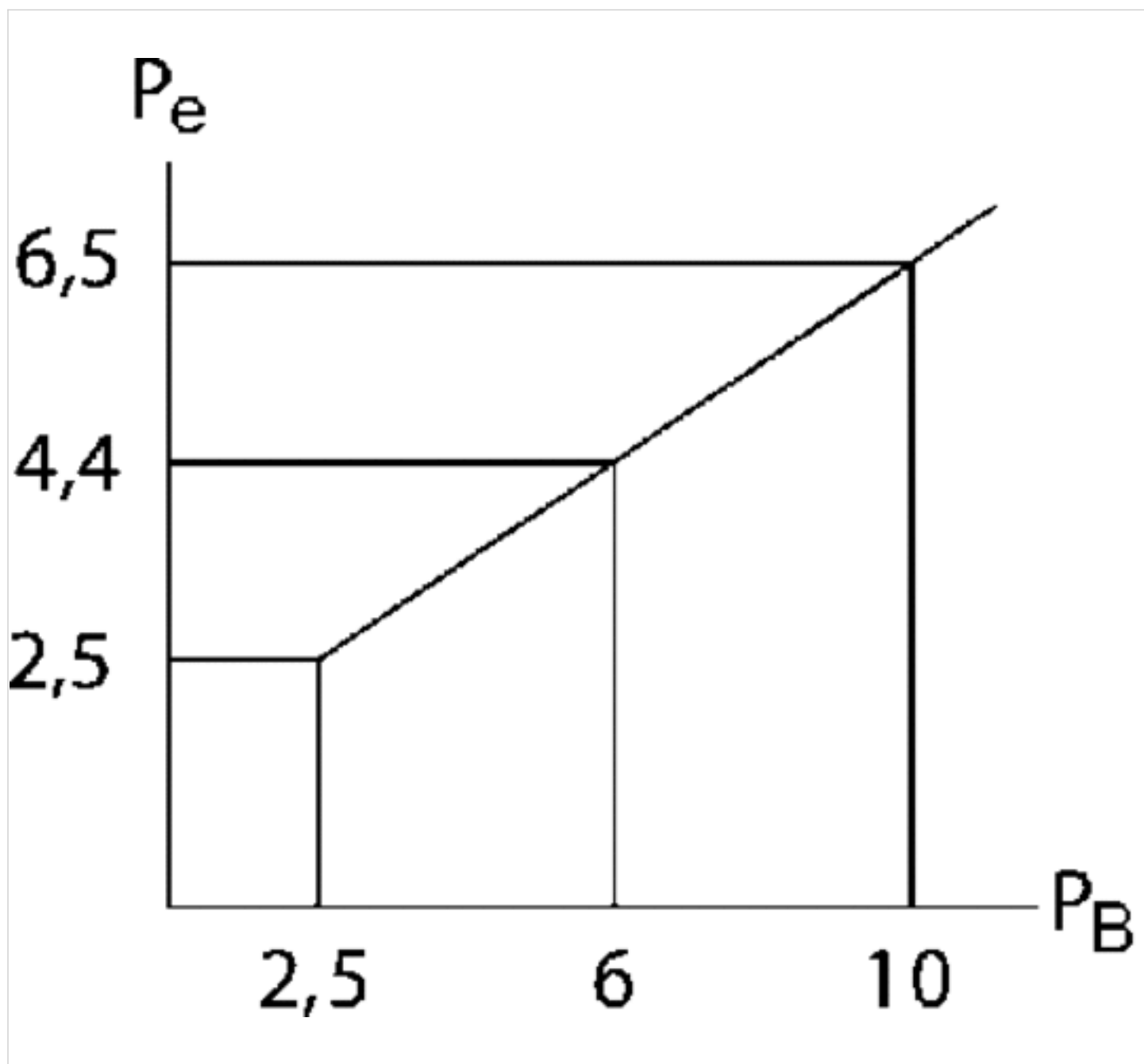
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).
Caution: The minimum control pressure depends on the working pressure (see "Control pressure" diagram below).

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_B = Working pressure

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