




2x3/2-directional valve, Series TC15

- Qn = 1100 l/min
- Compressed air connection output G 1/4
- Pipe connection



Version	Spool valve
Activation	Pneumatically
Sealing principle	Soft sealing
Flow rate value Qn	1100 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
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	2,5 Nm
Weight	0,208 kg

Technical data

Part No.			Compressed air connection	
			Input	Output
R422102229		NC/NC	G 1/4	G 1/4
R422102230		NO/NO	G 1/4	G 1/4
R422102231		NC/NO	G 1/4	G 1/4

Part No.	Compressed air connection		Flow conductance
	Exhaust	Pilot control exhaust	
R422102229	G 1/4	M5	0,25
R422102230	G 1/4	M5	0,25
R422102231	G 1/4	M5	0,25

Part No.	Flow conductance	
	C-value	
R422102229	5,9 l/(s*bar)	
R422102230	5,9 l/(s*bar)	
R422102231	5,9 l/(s*bar)	

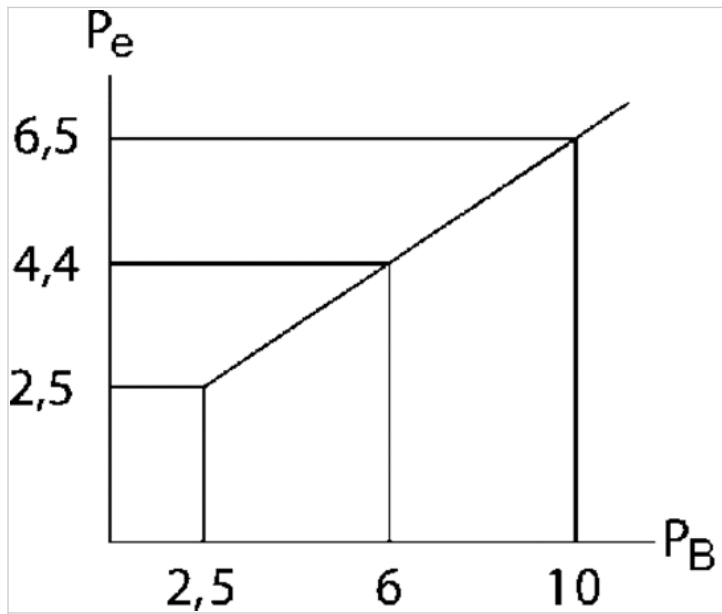
Nominal flow Qn at 6 bar and $\Delta p = 1$ bar, Caution: The minimum control pressure depends on the working pressure (see "Control pressure" diagram below).

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).

Diagrams

Control pressure



P_e = external control pressure, min.

P = Working pressure