

5/2-directional valve, Series TC15

- Qn = 1500 l/min
- Compressed air connection output G 1/4
- With air spring return With spring return With differential piston
- Pipe connection



Type	Spool valve, positive overlapping
Activation	pneumatically
Pilot	External
Sealing principle	Soft sealing
Flow rate value Qn	1500 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/m³
Mounting on manifold strip	P-strip
Mounting screw tightening torque	2,5 Nm
Weight	0,188 kg

Technical data

Part No.		Compressed air connection	
		Input	Output
0820258001		G 1/4	G 1/4
0820258002		G 1/4	G 1/4
0820258003		G 1/4	G 1/4
0820258004		G 1/4	G 1/4

Part No.	Compressed air connection		Flow conductance b
	Exhaust	Pilot control exhaust	
0820258001	G 1/4	M5	0,33
0820258002	G 1/4	M5	0,33
0820258003	G 1/4	M5	0,33
0820258004	G 1/4	M5	0,33

Part No.	Flow conductance	Working pressure min./max.	Control pressure min./max.
	C-value		
0820258001	6,8 l/(s*bar)	2,5 ... 10 bar	2,5 ... 10 bar
0820258002	6,8 l/(s*bar)	-0,9 ... 10 bar	3 ... 10 bar
0820258003	6,8 l/(s*bar)	-0,9 ... 10 bar	2 ... 10 bar
0820258004	6,8 l/(s*bar)	-0,9 ... 10 bar	2,5 ... 10 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.

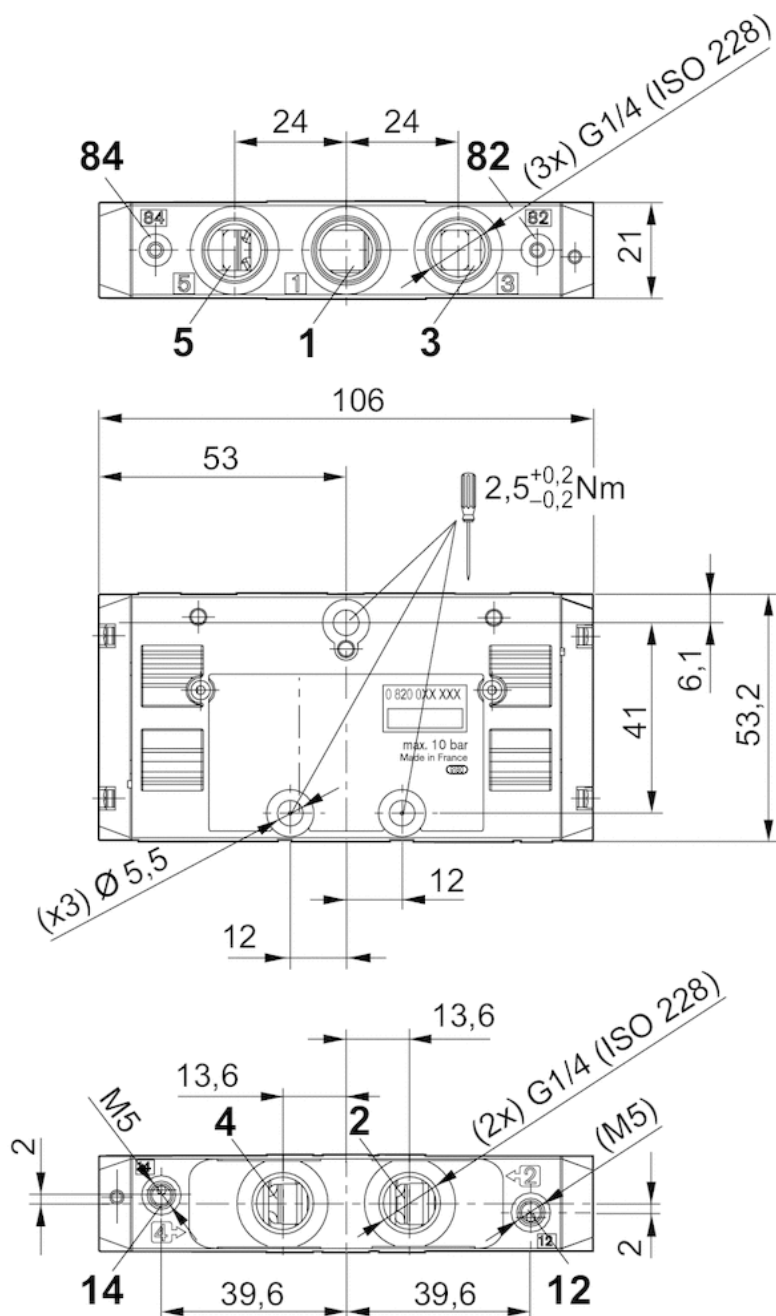
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

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

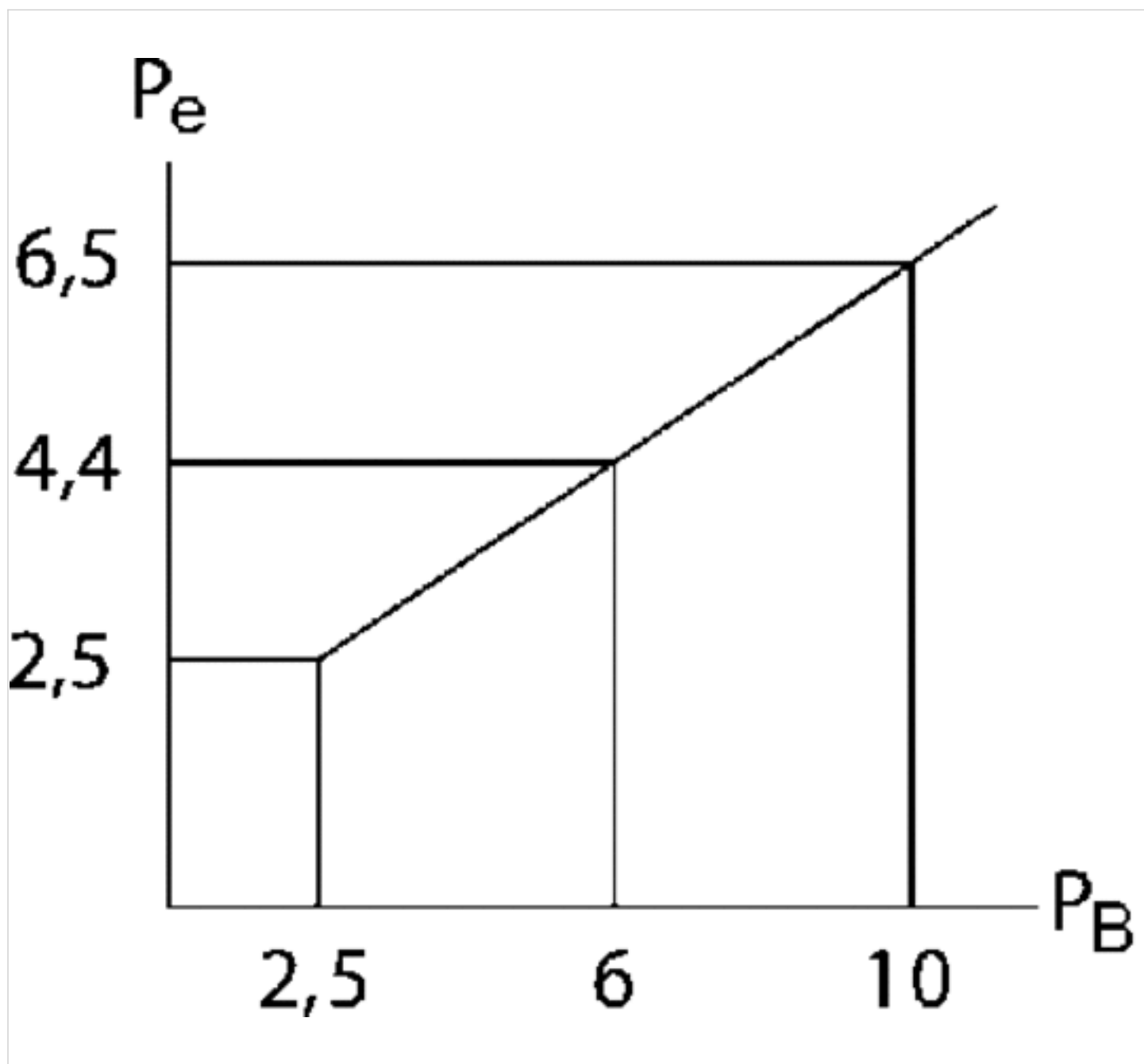
Dimensions

Dimensions



Diagrams

Control pressure



P_e = external control pressure, min.

P_B = Working pressure

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