




# 2x3/2-directional valve, Series TC08

- Qn = 600 l/min
- Compressed air connection output G 1/8
- Pipe connection



Version	Spool valve
Activation	Pneumatically
Pilot	external
Sealing principle	Soft sealing
Flow rate value Qn	600 l/min
Working pressure min./max.	-0,9 ... 10 bar
Control pressure min./max.	2,5 ... 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 <sup>3</sup>
Mounting on manifold strip	P-strip
Mounting screw tightening torque	2 Nm
Weight	0,113 kg

## Technical data

Part No.			Compressed air connection	
			Input	Output
R422102094		NC/NC	G 1/8	G 1/8
R422102095		NO/NO	G 1/8	G 1/8
R422102096		NC/NO	G 1/8	G 1/8

Part No.	Compressed air connection		Flow conductance b
	Exhaust	Pilot control exhaust	
R422102094	G 1/8	M5	0,27
R422102095	G 1/8	M5	0,27
R422102096	G 1/8	M5	0,27

Part No.	Flow conductance	
	C-value	
R422102094	2,8 l/(s*bar)	
R422102095	2,8 l/(s*bar)	
R422102096	2,8 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.

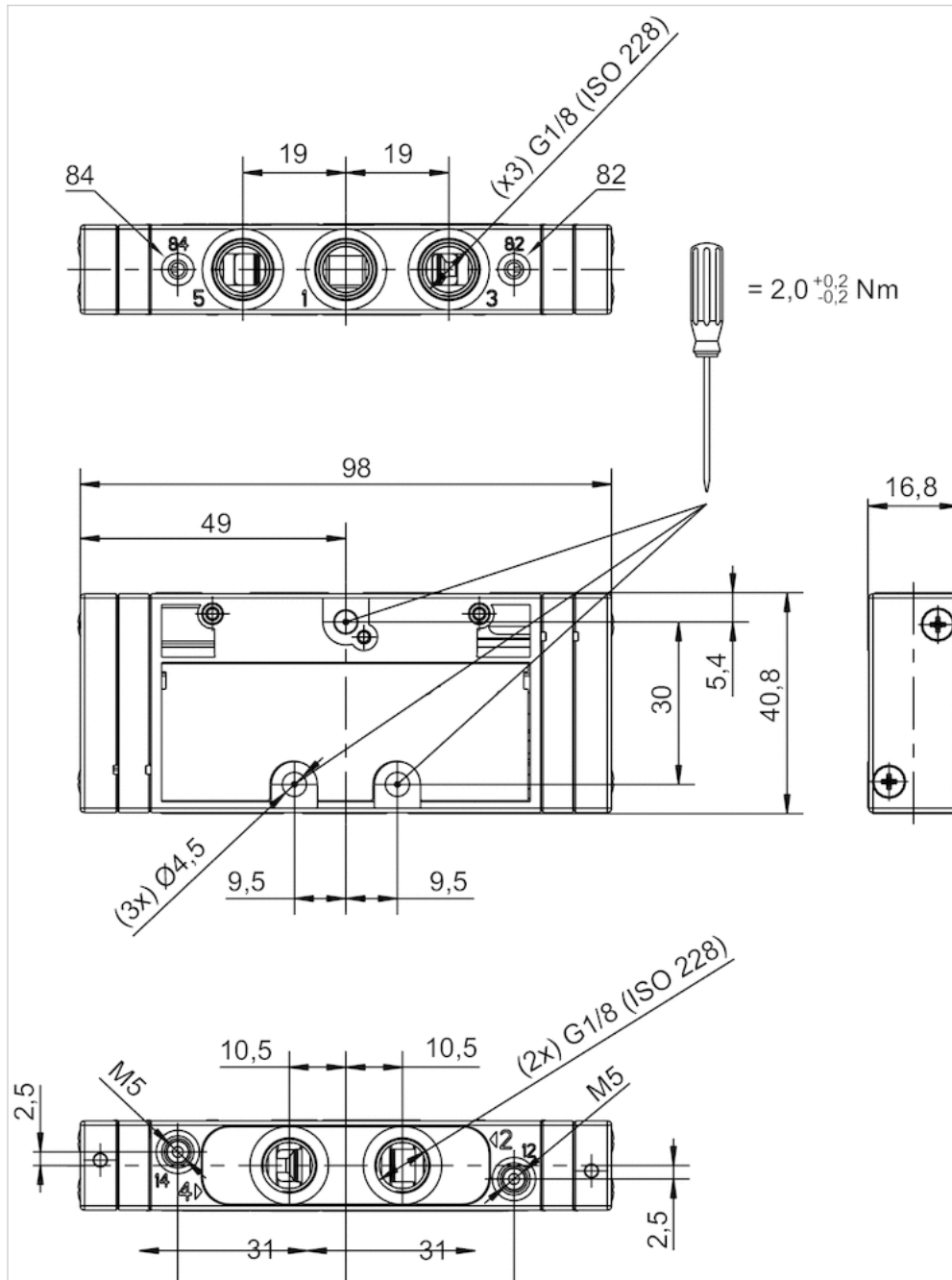
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

## 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

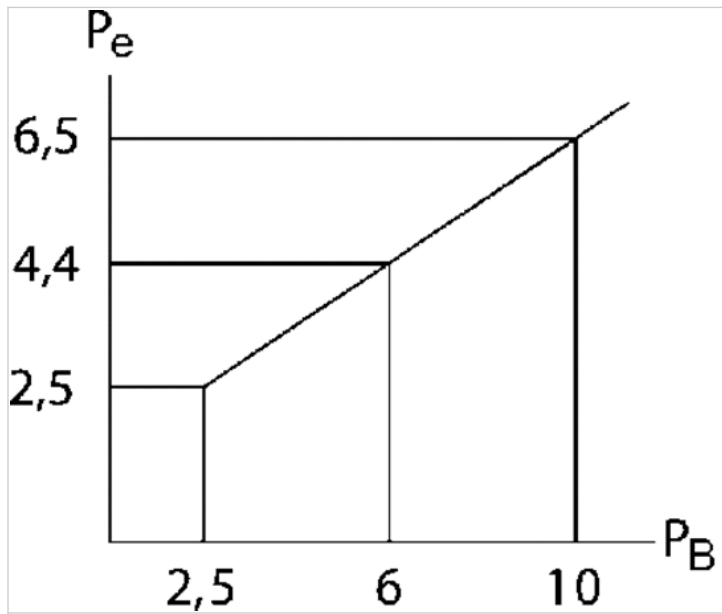
## Dimensions

### Dimensions



## Diagrams

### Control pressure



$P_e$  = external control pressure, min.

$P$  = Working pressure