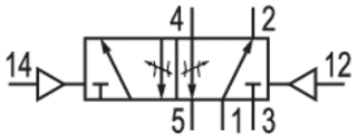
5/2-directional valve, Series 740

- Qn = 700-950 l/min
- Compressed air connection output Ø 8x1, Ø 10x1
- double air pilot
- pipe connection
- Can be assembled into blocks
- Manual override with detent
- suitable for ATEX



Version	Diaphragm poppet valve
Activation	pneumatically
Pilot	internal
Sealing principle	Soft sealing
Blocking principle	Single base plate principle, Plate principle
Working pressure min./max.	1,5 ... 10 bar
Ambient temperature min./max.	-15 ... 60 °C
Medium temperature min./max.	-15 ... 60 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Mounting on manifold strip	PRS strip
Weight	0,23 kg

Technical data

Part No.	Compressed air connection	Compressed air connection	Compressed air connection	Compressed air connection
	Input	Output	Exhaust	Pilot control exhaust
5717410000	Ø 8x1	Ø 8x1	M14x1	Ø 8x1
5717460000	Ø 10x1	Ø 10x1	M14x1	Ø 8x1

Part No.	Flow	Throttle
	Qn	
5717410000	700 l/min	with throttle
5717460000	950 l/min	with throttle

Nominal flow Qn at p1 = 6.3 bar and Δp = 1 bar

Technical information

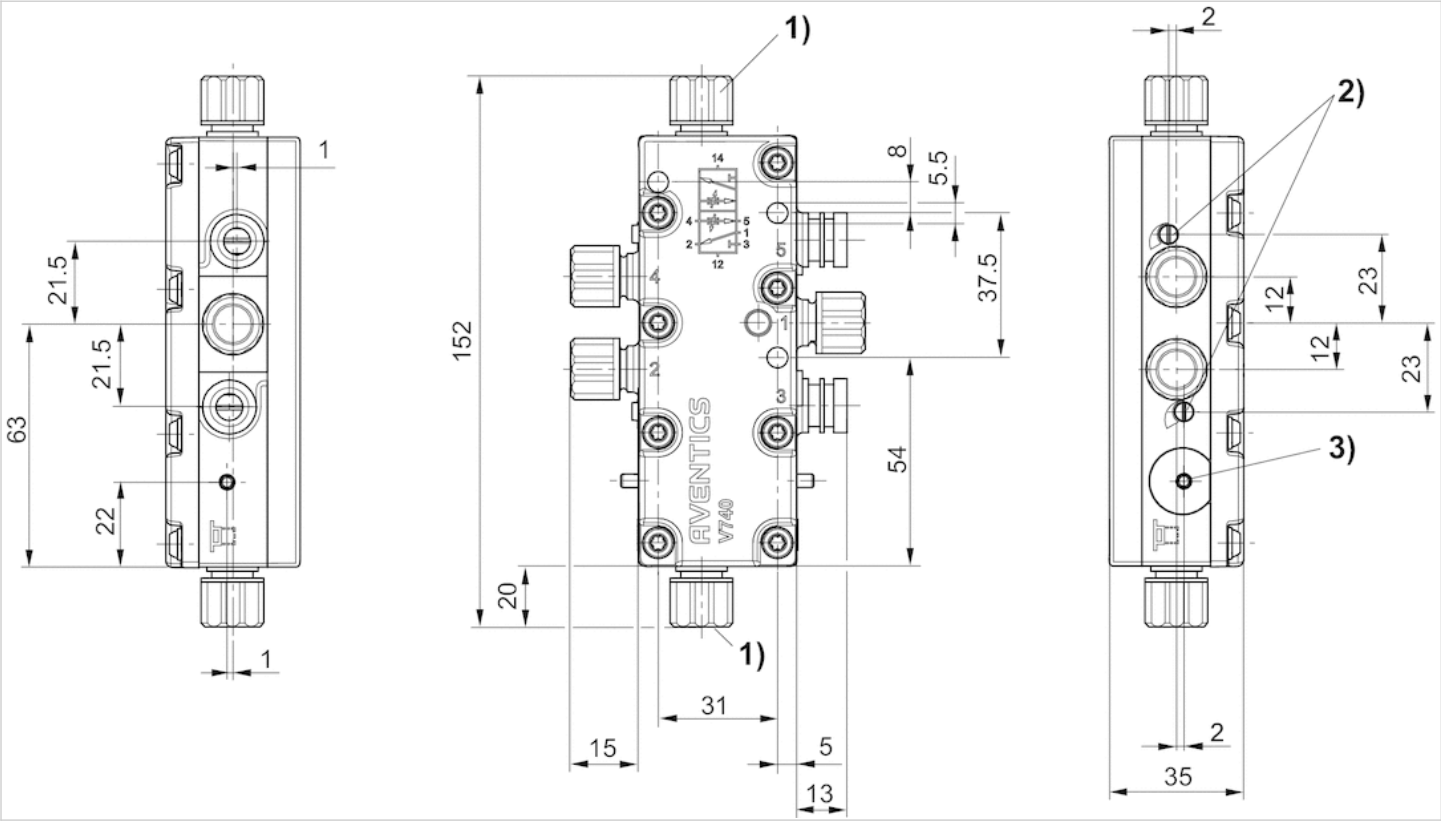
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS, see chapter „Technical information“.

Technical information

Material	
Housing	Polyoxymethylene
Seals	Acrylonitrile butadiene rubber

Dimensions

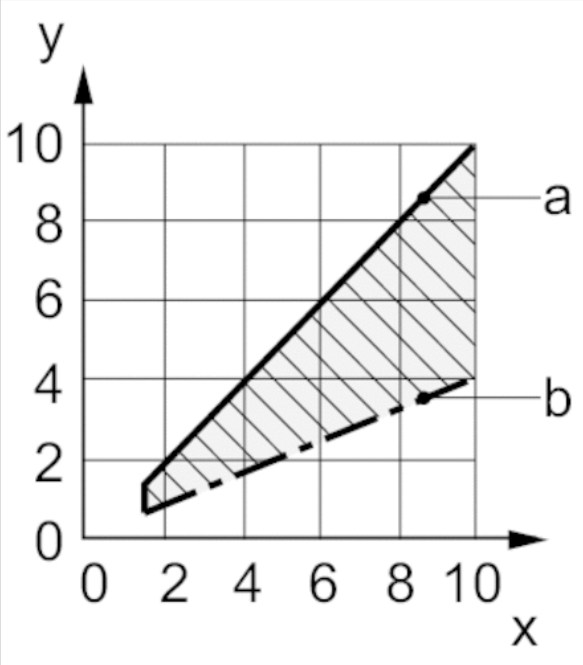
Dimensions



1) for pipe Ø 8 x 1
2) flow control screw for exhausts 5 (R) and 3 (S)
3) position indicator

Diagrams

Pilot pressure range



x: operating pressure (bar) y: control pressure (bar)
a: maximum control pressure depending on operating pressure
b: minimum control pressure depending on operating pressure