

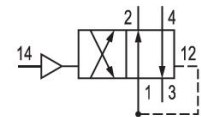
4/2-directional valve, Series 840

2023-11-27

5718400000

Series 840

Qn = [[200] l/min]



Technical data

Industry	Industrial
Activation	Pneumatically
Valve type	Poppet valve
Sealing principle	Soft seal
Connection type	Pipe connection

Compressed air connection input	Ø 6x1
Compressed air connection output	Ø 6x1
Compressed air connection, exhaust	Ø 6x1
Compressed air connection pilot input	Ø 6x1

Nominal flow Qn 200 l/min

Min. working pressure	2 bar
Max. working pressure	10 bar
Min. control pressure	2 bar
Max. control pressure	10 bar
Min. ambient temperature	-15 °C
Max. ambient temperature	60 °C

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Min. medium temperature	-15 °C
Max. medium temperature	60 °C
Medium	Compressed air
Min. oil content of compressed air	0 mg/m ³
Max. oil content of compressed air	1 mg/m ³
Max. particle size	50 µm
Mounting on manifold strip	PRS strip
Weight	0.048 kg

Material

Housing material	Polyoxymethylene
Seal material	Acrylonitrile butadiene rubber
Material threaded bushing	Polyoxymethylene
Part No.	5718400000

Technical information

The maximum operating pressure depends on the ambient temperature. The following values are applicable: -15 °C ... 60°C: Operating pressure [[1.5] bar] ... [[8] bar] possible. -15 °C ... 40 °C: Operating pressure [[1.5] bar] ... [[10] bar] possible.

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 less than ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.

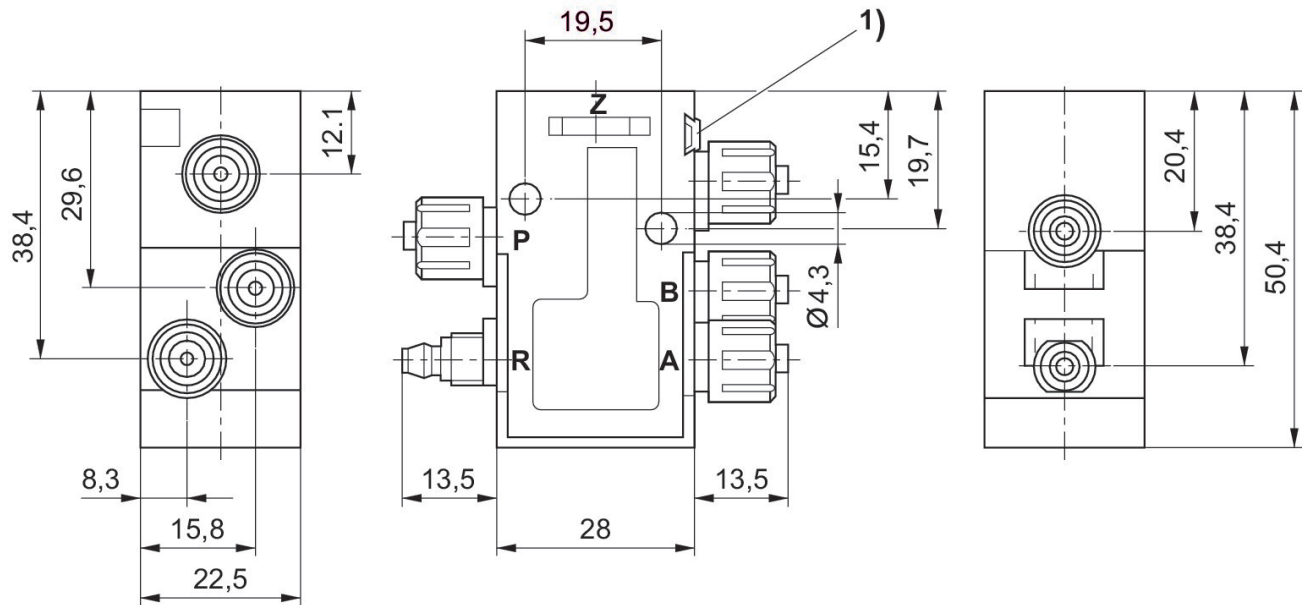
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in <https://www.emerson.com/en-us/support>).

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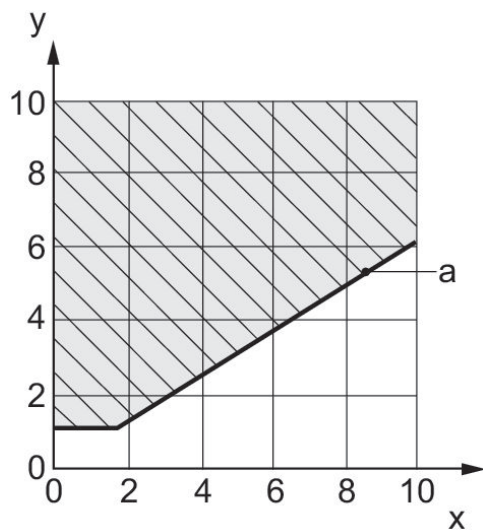
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Dimensions



1) mounting space for name plate

Control pressure



Pilot pressure range diagram x: working pressure (bar) y: pilot pressure (bar) a: min. pilot pressure at port 14 (Z) depending on working pressure