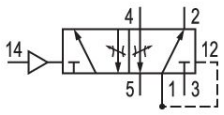
5/2-directional valve, Series 740

5717400000

2023-11-27

Series 740

Qn = [[700-950]l/min]



Technical data

Industry	Industrial
Activation	Pneumatically
Valve type	Diaphragm poppet valve
Sealing principle	Soft seal
Connection type	Pipe connection
Manual override	without
Compressed air connection input	Ø 8x1
Compressed air connection output	Ø 8x1
Compressed air connection, exhaust	M14x1
Compressed air connection pilot input	Ø 8x1
Nominal flow Qn	700 l/min
Min. working pressure	1.5 bar
Max. working pressure	10 bar
Pilot	Internal
Blocking principle	Single base plate principle Plate principle

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Can be assembled into blocks	Can be assembled into blocks
Throttle	with throttle
ATEX	Suitable for ATEX
Min. ambient temperature	-15 °C
Max. ambient temperature	60 °C
Min. medium temperature	-15 °C
Max. medium temperature	60 °C
Medium	Compressed air
Min. oil content of compressed air	0 mg/m³
Max. oil content of compressed air	5 mg/m³
Max. particle size	50 µm
Mounting on manifold strip	PRS strip
Weight	0.18 kg

Material

Housing material	Polyarylamide Polyarylamide
Seal material	Acrylonitrile butadiene rubber
Part No.	5717400000

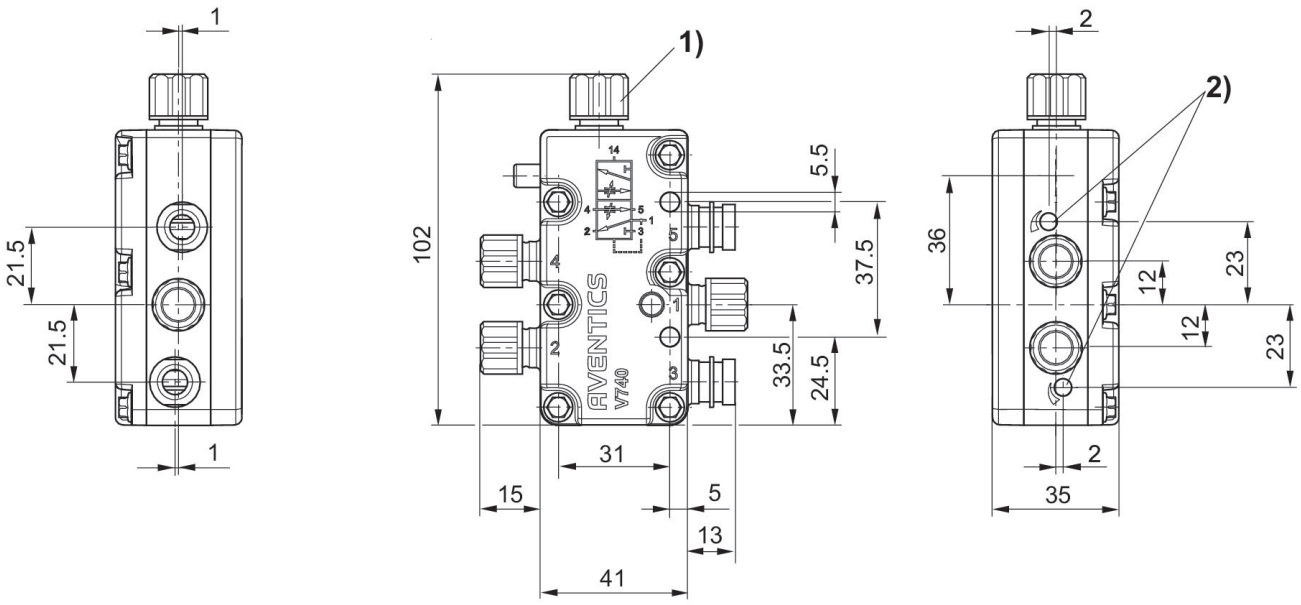
Technical information

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

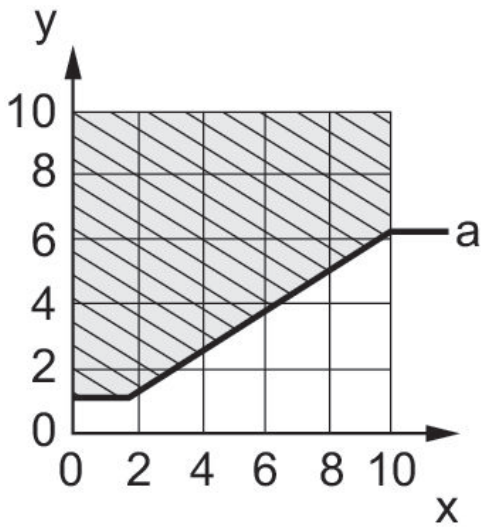
The oil content of compressed air must remain constant during the life cycle.

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).



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

Pilot pressure range



x: Working pressure ([[0] bar]... [[10] bar]) y: Pilot pressure ([[1] bar] ...[[6] bar]) a: Min. pilot pressure at port 14 (Z) depending on working pressure