5/2-directional valve, Series 740, Double Air Pilot

Series 740

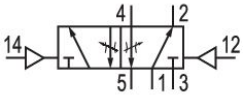
R432013810

2025-10-23

Series 740

Qn = 700-950 l/min

- Rugged polymer housing
- Suitable for all air qualities
- Base plate assembly and block assembly possible
- Versions also available with UL and ATEX coils



Technical data

Industry	Industrial
Activation	Pneumatically
Valve type	Diaphragm poppet valve
Switching principle	5/2, double air pilot
Sealing principle	Soft seal
Connection type	Pipe connection
Manual override	with detent
Compressed air connection input	3/8″
Compressed air connection output	3/8″
Compressed air connection, exhaust	3/8″
Compressed air connection pilot input	3/8″
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
Can be assembled into blocks	Can be assembled into blocks
Throttle	with throttle
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	0.23 kg

Material

Housing material	Polyoxymethylene
Seal material	Acrylonitrile butadiene rubber
Part No.	R432013810

Technical information

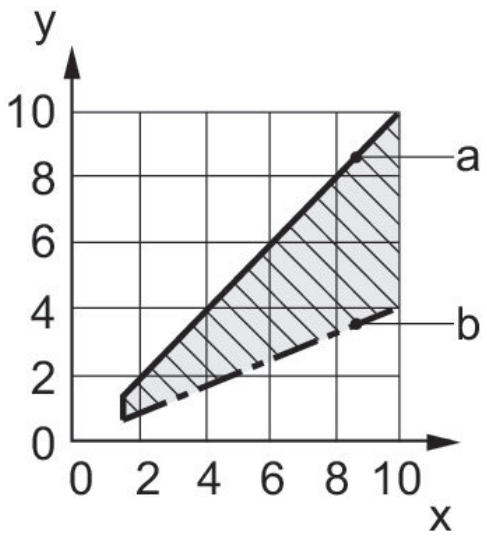
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

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).

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

Dimensions in inches