

5/3-directional valve, Series WV02

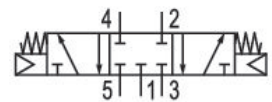
0820039983

Series
WV02

2024-02-15

Series WV02

The AVENTICS Series WV02 spool valves with anodized aluminium housing feature short switching times and low switching pressures, while offering low power consumption due to a seal with low friction co-efficient.



Technical data

Industry	Industrial
Activation	Electrically
Valve type	Spool valve, positive overlapping
Basic valve equipment	Basic valve without coil
Valve function	Closed Center
Sealing principle	Soft seal
Connection type	Pipe connection
Compressed air connection input	G 1/8
Compressed air connection output	G 1/8
Nominal flow Qn	400 l/min
Min. working pressure	2.2 bar
Max. working pressure	10 bar
Min. control pressure	2.2 bar
Max. control pressure	10 bar
Electrical connection type	Plug

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Electrical connection size	ISO 15217, form C
Connector standard	ISO 15217
Protection class with connection	IP65

Pilot	Internal
Coil width	15 mm
Pilot valve width	15 mm

Duty cycle	100 %
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Min. ambient temperature	0 °C
Max. ambient temperature	50 °C
Min. medium temperature	0 °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	25 mg/m ³
Max. particle size	0.5 µm

Mounting on manifold strip	PRS strip
Mounting screws	M3
Weight	0.11 kg

Material

Housing material	Aluminum
Seal material	Acrylonitrile butadiene rubber
Material threaded bushing	Aluminum
Material front plate	Polyamide
Part No.	0820039983

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>).

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Dimensions

