Air solenoid valve VZWF-L-M22C-G114-400-V-1P4-10

FESTO

Part number: 1492147





Data sheet

Type code VZWF Design Diaphragm valve Fore pilot operated Actuation type Electrical Sealing principle Soft Mounting position Magnet, upright Type of mounting Line installation Fitting connection 61 1/4 Electrical connection 61 1/4 Electrical connection 40 mc Nominal width 40 m Valve function 2/2, closed, monostable Manual override None Flow direction Non-reversible Medium Compressed air as per ISO 8573-1:2010 [7:*:] Intert gas Mineral oil water water water (Part of the pressure of fitting PN) 40 Nominal pressure of fitting PN 40 Differential pressure 0 bar Coil characteristics 24 V DC: 30.0 W Permissible voltage fluctuations +/-10 % Symbol 00992976 Medium pressure 0 bar 10 bar Max viscosity 2 mm²/s Temperature of medium -10 °C 80 °C Ambient temperature -10 °C 80 °C <td< th=""><th>Feature</th><th>Value</th></td<>	Feature	Value
Actuation type Electrical Sealing principle Soft Mounting position Magnet, upright Type of mounting Line installation Fitting connection G1 1/4 Electrical connection Form A Pylug as per EN 175301-803 Rectangular design Nominal width 40 mm Valve function 2/2, closed, monostable Manual override None Flow direction Non-reversible Medium Compressed air as per ISO 8573-1:2010 [7:] Inert gas Mineral oil Water Neutral liquids Other flow media on request Nominal pressure of fitting PN 40 Differential pressure 0 bar Coil characteristics 24 V DC: 30.0 W Permissible voltage fluctuations 4/- 10 % Symbol 00992976 Medium pressure 0 bar 10 bar Max. viscosity 2 2 mm²/s Temperature of medium 1.0 °C 35 °C Ambient temperature 1.0 °C 35 °C Ambient temperature 1.0 °C 35 °C	Type code	VZWF
Sealing principle Soft Mounting position Magnet, upright Type of mounting Fitting connection Fitting connect	Design	
Mounting position Magnet, upright Type of mounting Line installation Fitting connection 61 1/4 Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width 40 mm Valve function 2/2, closed, monostable Manual override None Flow direction Non-reversible Medium Compressed air as per ISO 8573-1:2010 [7::] Intert gas Mineral oil Water Row and intertion water flow media on request Nominal pressure of fitting PN 40 Differential pressure 0 bar Coil characteristics 24 V DC: 30.0 W Permissible voltage fluctuations +/- 10 % Symbol 00992976 Medium pressure 0 bar 10 bar Max. viscosity 2 mm²/s Temperature of medium -10 °C 35 °C Ambient temperature -10 °C 35 °C Leak rate to EN 1	Actuation type	Electrical
Type of mounting Fitting connection Fitting connection Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width Au mm Alvalve function Annual override Manual override Medium Medium Medium Non-reversible Compressed air as per ISO 8573-1:2010 [7:] Intert gas Mineral oil Water flow media on request Nominal pressure of fitting PN Au Differential pressure Coil characteristics Au Differential pressure Coil characteristics Ay Do Symbol Medium pressure Medium pressure Medium pressure Medium pressure Au Differential pressure Coil characteristics Au Differential pressure Au Differ	Sealing principle	Soft
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Nominal width40 mmValve function2/2, closed, monostableManual overrideNoneFlow directionNon-reversibleMediumCompressed air as per ISO 8573-1:2010 [7:] Inert gas Mineral oil wydter Neutral liquids Other flow media on requestNominal pressure of fitting PN40Differential pressure0 barCoil characteristics24 V DC: 30.0 WPermissible voltage fluctuations+/- 10 %Symbol00992976Medium pressure0 bar 10 barMax. viscosity22 mm²/sTemperature of medium-10 °C 80 °CAmbient temperature-10 °C 35 °CLeak rate to EN 12266-1A	Fitting connection	G1 1/4
Valve function2/2, closed, monostableManual overrideNoneFlow directionNon-reversibleMediumCompressed air as per ISO 8573-1:2010 [7:-:-] Inert gas Mineral oil Water Neutral liquids Other flow media on requestNominal pressure of fitting PN40Differential pressure0 barCoil characteristics24 V DC: 30.0 WPermissible voltage fluctuations+/- 10 %Symbol00992976Medium pressure0 bar 10 barMax. viscosity22 mm²/sTemperature of medium-10 °C 80 °CAmbient temperature-10 °C 35 °CLeak rate to EN 12266-1A	Electrical connection	Plug as per EN 175301-803
Manual overrideNoneFlow directionNon-reversibleMediumCompressed air as per ISO 8573-1:2010 [7:-:-] Inert gas Mineral oil Water 	Nominal width	40 mm
Flow direction Medium Medium Medium Medium Non-reversible Compressed air as per ISO 8573-1:2010 [7:::-] Inert gas Mineral oil Water Neutral liquids Other flow media on request Nominal pressure of fitting PN 40 Differential pressure O bar Coil characteristics 24 V DC: 30.0 W Permissible voltage fluctuations +/- 10 % Symbol Medium pressure O bar 10 bar Medium pressure Max. viscosity 22 mm²/s Temperature of medium -10 °C 80 °C Ambient temperature Leak rate to EN 12266-1 A	Valve function	2/2, closed, monostable
Medium Medium Compressed air as per ISO 8573-1:2010 [7:-:-] Inert gas Mineral oil Water Neutral liquids Other flow media on request Nominal pressure of fitting PN 40 Differential pressure 0 bar Coil characteristics 24 V DC: 30.0 W Permissible voltage fluctuations +/- 10 % Symbol 00992976 Medium pressure 0 bar 10 bar Max. viscosity 22 mm²/s Temperature of medium -10 °C 80 °C Ambient temperature -10 °C 35 °C Leak rate to EN 12266-1 A	Manual override	None
Inert gas Mineral oil Water Neutral liquids Other flow media on request Nominal pressure of fitting PN 40 Differential pressure 0 bar Coil characteristics 24 V DC: 30.0 W Permissible voltage fluctuations +/- 10 % Symbol 00992976 Medium pressure 0 bar 10 bar Max. viscosity 22 mm²/s Temperature of medium -10 °C 80 °C Ambient temperature Leak rate to EN 12266-1 A	Flow direction	Non-reversible
Differential pressure Coil characteristics 24 V DC: 30.0 W Permissible voltage fluctuations +/- 10 % Symbol Medium pressure 0 bar 10 bar Max. viscosity 22 mm²/s Temperature of medium -10 °C 35 °C Ambient temperature Leak rate to EN 12266-1	Medium	Inert gas Mineral oil Water Neutral liquids
Coil characteristics 24 V DC: 30.0 W Permissible voltage fluctuations +/- 10 % Symbol 00992976 Medium pressure 0 bar 10 bar Max. viscosity 22 mm²/s Temperature of medium -10 °C 80 °C Ambient temperature -10 °C 35 °C Leak rate to EN 12266-1 A	Nominal pressure of fitting PN	40
Permissible voltage fluctuations +/- 10 % Symbol 00992976 Medium pressure 0 bar 10 bar Max. viscosity 22 mm²/s Temperature of medium -10 °C 80 °C Ambient temperature -10 °C 35 °C Leak rate to EN 12266-1 A	Differential pressure	0 bar
Symbol 00992976 Medium pressure 0 bar 10 bar Max. viscosity 22 mm²/s Temperature of medium -10 °C 80 °C Ambient temperature -10 °C 35 °C Leak rate to EN 12266-1 A	Coil characteristics	24 V DC: 30.0 W
Medium pressure 0 bar 10 bar Max. viscosity 22 mm²/s Temperature of medium -10 °C 80 °C Ambient temperature -10 °C 35 °C Leak rate to EN 12266-1 A	Permissible voltage fluctuations	+/- 10 %
Max. viscosity 22 mm²/s Temperature of medium -10 °C 80 °C Ambient temperature -10 °C 35 °C Leak rate to EN 12266-1 A	Symbol	00992976
Temperature of medium -10 °C 80 °C Ambient temperature -10 °C 35 °C Leak rate to EN 12266-1 A	Medium pressure	0 bar 10 bar
Ambient temperature -10 °C 35 °C Leak rate to EN 12266-1 A	Max. viscosity	22 mm²/s
Leak rate to EN 12266-1 A	Temperature of medium	-10 °C 80 °C
	Ambient temperature	-10 °C 35 °C
Flow rate Kv 20 m³/h	Leak rate to EN 12266-1	A
	Flow rate Kv	20 m³/h

Feature	Value
Standard nominal flow rate	21370 l/min
On switching time	620 ms
Switching time off	1140 ms
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Housing material	Cast brass
Material number of housing	CW617N
Seals material	FPM
Material of screws	High-alloy stainless steel
Material number of screw	1.4301
Product weight	4500 g
Degree of protection	IP65
CE marking (see declaration of conformity)	as per EU pressure equipment directive
Corrosion resistance class (CRC)	1 - Low corrosion stress