Air solenoid valve VZWF-B-L-M22C-N1-275-V-3AP4-6

FESTO

Part number: 1492386





Data sheet

Design Diaphragm valve Force pilot operated Actuation type Electrical Sealing principle Soft Mounting position Magnet, upright Type of mounting Line installation Fitting connection 1 NPT Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width 27.5 mm Valve function Plow direction None Flow direction 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 Coil characteristics 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA Permissible voltage fluctuations +/- 10 % Symbol Medium pressure 0 bar Ober 6 bar Max. viscosity 0 **C 80 °C Ambient temperature 1-0 °C 85 °C Ambient lemperature 1-10 °C 85 °C Ambient temperature 1-10 °C 85 °C	Feature	Value
Force pilot operated Actuation type	Type code	VZWF
Sealing principle Soft Mounting position Magnet, upright Type of mounting Line installation Fitting connection INPT Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width 27.5 mm Valve function None Flow direction Medium Compressed air as per ISO 8573-1:2010 [7::] Inert gas Mineral oil Water Neutral liquids Other flow media on request Nominal pressure Oil characteristics 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA Permissible voltage fluctuations Y-10 % Symbol Medium pressure O bar Medium pressure O bar Coil characteristics 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA Permissible voltage fluctuations +/- 10 % Symbol Medium pressure O bar O bar Medium pressure O bar O bar Medium pressure O bar O ba	Design	
Mounting position Magnet, upright Type of mounting Line installation Fitting connection 1 NPT Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width 27.5 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 Intert gas Intert gas Intert gas Other flow media on request Nominal pressure of fitting PN 40 Differential pressure 0 bar Coil characteristics 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA Permissible voltage fluctuations +/-10 % Symbol 00929276 Medium pressure 0 bar 6 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	Actuation type	Electrical
Type of mounting Line installation 1 NPT Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width 27.5 mm 2/2, closed, monostable Manual override None Flow direction Medium Medium Compressed air as per ISO 8573-1:2010 [7:] Inert gas Inert	Sealing principle	Soft
Fitting connection 1 NPT Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width 27.5 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 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA Permissible voltage fluctuations +/- 10 % Symbol 00992976 Medium pressure 0 bar 6 bar Max. viscosity 22 mm²/s Temperature of medium -10 °C 80 °C Ambient temperature -10 °C 85 °C Leak rate to EN 12266-1	Mounting position	Magnet, upright
Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width 27.5 mm 2/2, closed, monostable Manual override None Flow direction Non-reversible Medium Medium Medium Compressed air as per ISO 8573-1:2010 [7:] Inert gas Mineral oil Water Neutral liquids Other flow media on request A0 Differential pressure O bar Coil characteristics 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA Permissible voltage fluctuations +/- 10 % Symbol Medium pressure O bar A 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	Type of mounting	Line installation
Plug as per EN 175301-803 Rectangular design Nominal width 27.5 mm 2/2, closed, monostable Manual override None Flow direction 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 Differential pressure Coil characteristics 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA Permissible voltage fluctuations +/- 10 % Symbol Medium pressure O bar 6 bar Max. viscosity 10 °C 80 °C Ambient temperature -10 °C 35 °C Leak rate to EN 12266-1	Fitting connection	1 NPT
Valve function 2/2, closed, monostable 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 Coil characteristics 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA Permissible voltage fluctuations +/- 10 % Symbol 00992976 Medium pressure 0 bar 22 mm²/s Temperature of medium -10 °C 80 °C Ambient temperature -10 °C 35 °C Leak rate to EN 12266-1	Electrical connection	Plug as per EN 175301-803
Manual override Flow direction Medium Medium Medium Medium Medium Medium Mompressed air as per ISO 8573-1:2010 [7:::-] Inert gas Mineral oil Water Neutral liquids Other flow media on request Mominal pressure of fitting PN Mompressure Obar Coil characteristics 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA Permissible voltage fluctuations +/- 10 % Symbol Medium pressure Obar Max. viscosity 22 mm²/s Temperature of medium -10 °C 80 °C Ambient temperature -10 °C 35 °C Leak rate to EN 12266-1	Nominal width	27.5 mm
Flow direction 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 O bar Coil characteristics 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA Permissible voltage fluctuations +/- 10 % Symbol 00992976 Medium pressure O bar 6 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	Valve function	2/2, closed, monostable
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 O bar Coil characteristics 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA Permissible voltage fluctuations +/- 10 % Symbol 00992976 Medium pressure O bar 6 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	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 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA Permissible voltage fluctuations +/- 10 % Symbol 00992976 Medium pressure 0 bar 6 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	Flow direction	Non-reversible
Differential pressure O bar Coil characteristics 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA Permissible voltage fluctuations +/- 10 % Symbol 00992976 Medium pressure 0 bar 6 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	Medium	Inert gas Mineral oil Water Neutral liquids
Coil characteristics 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA +/- 10 % Symbol 00992976 Medium pressure 0 bar 6 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 6 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 6 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	230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA
Medium pressure 0 bar 6 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 6 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 11 m³/h	Leak rate to EN 12266-1	A
	Flow rate Kv	11 m³/h

Feature	Value
Standard nominal flow rate	11750 l/min
On switching time	275 ms
Switching time off	290 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	1500 g
Degree of protection	IP65
CE marking (see declaration of conformity)	As per EU low voltage directive
Corrosion resistance class (CRC)	1 - Low corrosion stress