## Air solenoid valve VZWF-B-L-M22C-N1-275-V-2AP4-6-R1

**FESTO** 

Part number: 1492298





## **Data sheet**

Diaphragm valve Force pilot operated  Actuation type Electrical  Sealing principle Soft  Mounting position Magnet, upright Type of mounting Line installation Fitting connection INPT Form A Plug as per EN 175301-803 Rectangular design  Nominal width 27.5 mm  Valve function 27.2, closed, monostable Manual override 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 0 bar Coil characteristics 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations 4/- 10 % Symbol 00992976 Medium pressure 0 bar 6 bar Max. viscosity 22 mm²/s Femperature 1-10 °C 80 °C Ambient temperature 1-10 °C 80 °C Ambient temperature 1-10 °C 35 °C Ambient temperature 1-10 °C 35 °C	Feature	Value
Force pilot operated  Actuation type  Sealing principle  Mounting position  Magnet, upright  Line installation  Fitting connection  I NPT  Electrical connection  Form A Plug as per EN 175301-803 Rectangular design  Nominal width  27.5 mm  Avalve function  Annual override  None  How direction  Medium  Compressed air as per ISO 8573-1:2010 [7:] Inert gas Mineral oil Water Neutral liquids Other flow media on request  Other flow media on request  Coil characteristics  110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA  Permissible voltage fluctuations  4/- 10 %  Symbol  Medium pressure  Obar  Coil characteristics  110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA  Permissible voltage fluctuations  4/- 10 %  Symbol  Medium pressure  O bar  Ambient temperature  - 10 °C 80 °C  Leak rate to EN 12266-1  A	Type code	VZWF
Sealing principle Soft Mounting position Magnet, upright Type of mounting Line installation 1 NPT Electrical connection Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width 27.5 mm Valve function Manual override 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 Au Differential pressure O bar Coil characteristics 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations 4/- 10 % Symbol Medium pressure O bar Medium pressure O bar Coil characteristics 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations 4/- 10 % Medium pressure O bar 6 bar Max. viscosity 120 mm²/5 Itemperature 1-10 °C 35 °C Leak rate to EN 12266-1	Design	
Mounting position Magnet, upright Line installation Fitting connection INPT Form A Plug as per EN 175301-803 Rectangular design Nominal width 27.5 mm Valve function Manual override None Flow direction Medium Medium Mominal pressure of fitting PN Differential pressure Coil characteristics 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations Valve function  Medium pressure  O bar  O bar 6 bar Medium pressure  O bar 6 bar Medium pressure O bar 6 bar Medium pressure O bar 6 bar Medium pressure O bar 6 bar Medium pressure O bar 6 bar Medium pressure O bar 6 bar Medium pressure O bar 6 bar Medium pressure O bar 6 bar Medium pressure O bar 6 bar Medium pressure O bar 6 bar Max. viscosity 10 °C 80 °C Ambient temperature Leak rate to EN 12266-1	Actuation type	Electrical
Electrical connection  In NPT  Form A Plug as per EN 175301-803 Rectangular design  Nominal width  27.5 mm  Alvalve function  Manual override  None  Flow direction  Medium  Nominal pressure of fitting PN  Aunual pressure  Coll characteristics  Permissible voltage fluctuations  Symbol  Medium pressure  O bar  Coll characteristics  110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA  Permissible voltage fluctuations  Symbol  Medium pressure  O bar  Coll characteristics  100 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA  Permissible voltage fluctuations  Symbol  Medium pressure  O bar 6 bar  Max. viscosity  22 mm²/s  Femperature of medium  -10 °C 80 °C  Ambient temperature  -10 °C 85 °C  Leak rate to EN 12266-1	Sealing principle	Soft
Electrical 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 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA  Permissible voltage fluctuations +/- 10 %  Symbol 00992976  Medium pressure 0 bar	Mounting position	Magnet, upright
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  Compressed air as per ISO 8573-1:2010 [7:-:-] Inert gas Mineral oil Water Neutral liquids Other flow media on request  A0  Differential pressure  Coli characteristics  110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA  Permissible voltage fluctuations  +/- 10 %  Symbol  Medium pressure  O bar  O c 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	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 Non-reversible  Medium Medium Medium Moninal pressure of fitting PN  Ober Coil characteristics 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA  Permissible voltage fluctuations  +/- 10 %  Symbol Medium pressure Obar 6 bar  Medium pressure Medium pressure Medium pressure Medium pressure Nominal pressure Obar 6 bar  Medium pressure Medium pressure Medium pressure Nominal pressure Nominal pressure Nominal pressure Nominal pressure Obar Coil characteristics 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA  Permissible voltage fluctuations  +/- 10 %  Symbol Medium pressure Obar 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	Fitting connection	1 NPT
Valve function  2/2, closed, monostable  None  Flow direction  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  Coil characteristics  110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations  Fymbol  Oop92976  Medium pressure  0 bar  0 bar  22 mm²/s  Femperature 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  None Flow direction  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 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 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	Nominal width	27.5 mm
Non-reversible  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  Coil characteristics  110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 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	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 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 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 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 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  110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 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  A	Medium	Inert gas Mineral oil Water Neutral liquids
Coil characteristics 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 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	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	110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA
Medium pressure  0 bar 6 bar  22 mm²/s  Temperature of medium  -10 °C 80 °C  -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 ℃ 35 ℃
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 stainless steel
Material number of housing	1.4581
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)	3 - High corrosion stress