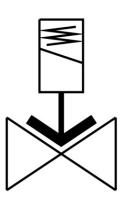
## Air solenoid valve VZWF-B-L-M22C-N14-135-E-2AP4-10-R1

**FESTO** 

Part number: 1492278





## **Data sheet**

Design Design Diaphragm valve Force pilot operated  Actuation type Electrical Sealing principle Soft Mounting position Magnet, upright Type of mounting Line installation Fitting connection NPT1/4 Form A Plug as per EN 175301-803 Rectangular design Nominal width 13.5 mm Valve function Plow 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 Differential pressure 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 O bar  Compressed O bar 10 bar Max. viscosity 22 mm²/s Temperature 0 -10 °C 35 °C Ambient temperature -10 °C 35 °C	Feature	Value
Force pilot operated  Actuation type  Electrical  Soft  Mounting position  Magnet, upright  Line installation  Fitting connection  NPT1/4  Electrical connection  Form A Plug as per EN 175301-803 Rectangular design  Nominal width  13.5 mm  Valve function  None  Flow direction  Medium  Compressed air as per ISO 8573-1:2010 [7:-:-] Innert gas Mineral oil Water Neutral liquids Other flow media on request  Other flow media on request  Other flow media on request  Other flow flow 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 10 bar  Maka. viscosity  22 mm²/s  Temperature  -10 °C 35 °C  Ambient temperature  -10 °C 35 °C  Ambient temperature  -10 °C 35 °C  Ambient temperature  -10 °C 35 °C	Type code	VZWF
Sealing principle Soft Mounting position Magnet, upright Type of mounting Line installation Fitting connection Form A Plug as per EN 175301-803 Rectangular design Nominal width 13.5 mm Valve function Mon-reversible 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 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 0 bar 10 bar Medium pressure 1 10° C 80° C Ambient temperature -10° C 35° C Leak rate to EN 12266-1	Design	
Mounting position  Magnet, upright  Line installation  NPT1/4  Electrical connection  NPT1/4  Electrical connection  NPT1/4  Form A Plug as per EN 175301-803 Rectangular design  Nominal width  13.5 mm  Valve function  Manual override  None  Flow direction  Medium  Compressed air as per ISO 8573-1:2010 [7:-:-] Intert 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  Medium pressure  O 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	Actuation type	Electrical
Type of mounting  Line installation  NPT1/4  Electrical connection  Form A Plug as per EN 175301-803 Rectangular design  Nominal width  13.5 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  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  Symbol  Medium pressure  O bar 10 bar  Medium pressure  Medium pressure  O bar 10 bar  Medium pressure  O bar 10 bar  Max. viscosity  22 mm²/s  Temperature of medium  -10 °C 80 °C  Ambient temperature  -10 °C 85 °C  Ambient temperature  -10 °C 35 °C  Ambient temperature  -10 °C 35 °C	Sealing principle	Soft
Fitting connection NPT1/4  Electrical connection Form A Plug as per EN 175301-803 Rectangular design  Nominal width 13.5 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 10 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  13.5 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  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  Medium pressure O 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	Type of mounting	Line installation
Plug as per EN 175301-803 Rectangular design  Nominal width  13.5 mm  2/2, closed, monostable  Manual override  None  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  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 10 bar  Max. viscosity  22 mm²/5  Temperature of medium  -10 °C 80 °C  Ambient temperature  -10 °C 35 °C  Leak rate to EN 12266-1	Fitting connection	NPT1/4
Valve function  2/2, closed, monostable  None  Manual override  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 +/- 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	Electrical connection	Plug as per EN 175301-803
Manual override  Flow direction  Medium  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  Mominal 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  Medium pressure  O 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	Nominal width	13.5 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  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 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	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 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	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 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	Flow direction	Non-reversible
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 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	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 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	110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA
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 ℃ 35 ℃
Flow rate Kv 1.8 m³/h	Leak rate to EN 12266-1	A
	Flow rate Kv	1.8 m³/h

Feature	Value
Standard nominal flow rate	1920 l/min
On switching time	130 ms
Switching time off	180 ms
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Housing material	Cast stainless steel
Material number of housing	1.4581
Seals material	EPDM
Material of screws	High-alloy stainless steel
Material number of screw	1.4301
Product weight	1000 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