## Air solenoid valve VZWF-B-L-M22C-N12-135-E-3AP4-10-R1

**FESTO** 

Part number: 1492376





## **Data sheet**

Diaphragm valve Force pilot operated  Actuation type Electrical  Sealing principle Soft Mounting position Magnet, upright Type of mounting Line installation Fitting connection 1/2 NPT Electrical connection Plug as per EN 175301-803 Rectangular design  Nominal width 13.5 mm Valve function 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  Obar Coil characteristics 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA Permissible voltage fluctuations 4/- 10 % Symbol O0992976 Medium pressure O bar 10 bar Max. viscosity Emperature O minerature I no °C 80 °C Ambient temperature I no °C 80 °C Ambient temperature I no °C 80 °C Ambient temperature I no °C 35 °C I ment and the support of the sup	Feature	Value
Force pilot operated  Actuation type  Sealing principle  Mounting position  Magnet, upright  Line installation  Fitting connection  1/2 NPT  Electrical connection  Form A Plug as per EN 175301-803 Rectangular design  Nominal width  13.5 mm  Valve function  Annual 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  Other flow media on request  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  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 10 bar  Max. viscosity  22 mm²/s  Temperature  -10 °C 35 °C  Ambient temperature  Leak rate to EN 12266-1  A	Type code	VZWF
Sealing principle Soft Mounting position Magnet, upright Type of mounting Line installation 1/2 NPT 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 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 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  1/2 NPT  Electrical connection  1/2 NPT  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:-:-] Intert gas Intert gas Mineral oil Water Note If thing 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  Symbol  Medium pressure  O bar 10 bar  Mex. viscosity  10°C 80°C  Ambient temperature  -10°C 80°C  Ambient temperature  -10°C 35°C	Actuation type	Electrical
Electrical connection 1/2 NPT  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 Comparised air as per ISO 8573-1:2010 [7:] Inert gas Minieral oil Water Neutral liquids Other flow media on request  Coll characteristics 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA  Permissible voltage fluctuations +/- 10 %  Symbol 0992976  Medium consideration 0 bar  Medium pressure 0 form 1.0 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	Sealing principle	Soft
Fitting connection 1/2 NPT  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:] Intert 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 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
Form A 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  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 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	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 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 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 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 A	Fitting connection	1/2 NPT
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 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA Permissible voltage fluctuations  4/- 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  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 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 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
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  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 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
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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 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	Flow direction	Non-reversible
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 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  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 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	230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA
Medium pressure  0 bar 10 bar  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 2.5 m³/h	Leak rate to EN 12266-1	A
	Flow rate Kv	2.5 m³/h

Feature	Value
Standard nominal flow rate	2660 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