## Air solenoid valve VZWF-L-M22C-N2-500-V-2AP4-6-R1

**FESTO** 

Part number: 1492301





## **Data sheet**

Diaphragm valve Force pilot operated  Actuation type Electrical  Sealing principle Soft Mounting position Magnet, upright Type of mounting Line installation  In einstallation  In einstallation	Feature	Value
Force pilot operated  Actuation type  Sealing principle  Mounting position  Magnet, upright  Line installation  Fitting connection  2 NPT  Electrical connection  Form A Plug as per EN 175301-803 Rectangular design  Nominal width  50 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  Other flow media on request  Coil characteristics  110 V AC: 50/60 Hz, initial power 30.0 VA, holding power 30.0 VA  Permissible voltage fluctuations  */- 10 %  Symbol  Medium pressure  O bar  Coil characteristics  110 V AC: 50/60 Hz, initial power 30.0 VA, holding power 30.0 VA  Permissible voltage fluctuations  */- 10 %  Symbol  Medium pressure  O bar 6 bar  Max. viscosity  10 °C 80 °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 Fitting connection Form A Plug as per EN 175301-803 Rectangular design Nominal width So 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 30.0 VA, holding power 30.0 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 30.0 VA, holding power 30.0 VA Permissible voltage fluctuations 4/- 10 % Symbol Medium pressure O bar 6 bar Max. viscosity 22 mm²/s Temperature -10 °C 80 °C Ambient temperature -10 °C 35 °C Leak rate to EN 12266-1	Design	
Mounting position  Magnet, upright  Line installation  2 NPT  Form A Plug as per EN 175301-803 Rectangular design  Nominal width  Valve function  Magnet, upright  Line installation  Form A Plug as per EN 175301-803 Rectangular design  Nominal width  So mm  Valve function  Manual override  None  Flow direction  Medium  Compressed air as per ISO 8573-1:2010 [7:-:-] Inert gas 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 30.0 VA, holding power 30.0 VA  Permissible voltage fluctuations  +/- 10 %  Symbol  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	Actuation type	Electrical
Fitting connection  Electrical connection  Electrical connection  Form A Plug as per EN 175301-803 Rectangular design  Nominal width  50 mm  2/2, closed, monostable  Manual override  None  Relow 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 30.0 VA, holding power 30.0 VA Permissible voltage fluctuations  Symbol  Medium pressure  O bar  O 999976  Medium pressure  O bar  Ambient dem pressure  O bar  1-0 °C 80 °C  Ambient temperature  -10 °C 35 °C  Ambient temperature  -10 °C 35 °C  Ambient temperature  -10 °C 35 °C	Sealing principle	Soft
Electrical connection  Electrical connection  Electrical connection  Form A Plug as per EN 175301-803 Rectangular design  Nominal width  50 mm  Valve function  Annual override  Manual override  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 30.0 VA, holding power 30.0 VA Permissible voltage fluctuations  Symbol  Medium pressure  O bar  Coil characteristics  10 v AC: 50/60 Hz, initial power 30.0 VA, holding power 30.0 VA Permissible voltage fluctuations  4/- 10 %  Symbol  Medium pressure  O bar 6 bar  Max. viscosity  22 mm²/s  Temperature of medium  -10 °C 80 °C  Ambient temperature  -10 °C 80 °C  Ambient temperature  -10 °C 35 °C	Mounting position	Magnet, upright
Form A Plug as per EN 175301-803 Rectangular design  Nominal width  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  A0  Differential pressure  Coil characteristics  110 V AC: 50/60 Hz, initial power 30.0 VA, holding power 30.0 VA  Permissible voltage fluctuations  +/- 10 %  Symbol  Medium pressure  O bar  Medium pressure  O bar  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	Type of mounting	Line installation
Plug as per EN 175301-803 Rectangular design  Nominal width  50 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 110 V AC: 50/60 Hz, initial power 30.0 VA, holding power 30.0 VA  Permissible voltage fluctuations +/- 10 %  Symbol 00992976  Medium pressure O 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	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 110 V AC: 50/60 Hz, initial power 30.0 VA, holding power 30.0 VA Permissible voltage fluctuations  +/- 10 %  Symbol 00992976  Medium pressure 0 bar  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  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 O bar  Coil characteristics 110 V AC: 50/60 Hz, initial power 30.0 VA, holding power 30.0 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	50 mm
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 110 V AC: 50/60 Hz, initial power 30.0 VA, holding power 30.0 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 110 V AC: 50/60 Hz, initial power 30.0 VA, holding power 30.0 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 30.0 VA, holding power 30.0 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  Coil characteristics  110 V AC: 50/60 Hz, initial power 30.0 VA, holding power 30.0 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 110 V AC: 50/60 Hz, initial power 30.0 VA, holding power 30.0 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 30.0 VA, holding power 30.0 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 28 m³/h	Leak rate to EN 12266-1	A
	Flow rate Kv	28 m³/h

Feature	Value
Standard nominal flow rate	29900 l/min
On switching time	1220 ms
Switching time off	2140 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	6500 g
Degree of protection	IP65
CE marking (see declaration of conformity)	as per EU pressure equipment directive As per EU low voltage directive
Corrosion resistance class (CRC)	3 - High corrosion stress