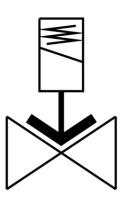
## Air solenoid valve VZWF-L-M22C-G112-400-2AP4-10-R1

**FESTO** 

Part number: 1492220





## **Data sheet**

Diaphragm valve Force pilot operated  Actuation type Electrical Sealing principle Soft Mounting position Magnet, upright Type of mounting Line installation Fitting connection G1 1/2 Form A Plug as per EN 175301-803 Rectangular design Nominal width Valve function Autorition Mounting Medium Compressed air as per ISO 8573-1:2010 [7::] Inert gas Mineral oil Water Noutral liquids Other flow media on request  Loi 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 Medium pressure Obar  Loi Characteristics 110 V AC: 50/60 Hz, initial power 30.0 VA, holding power 30.0 VA Permissible voltage fluctuations 4/- 10 % Medium pressure Obar  Loi Characteristics 120 mm²/s  Medium pressure Obar  Loi Characteristics 110 V AC: 50/60 Hz, initial power 30.0 VA, holding power 30.0 VA Permissible voltage fluctuations 4/- 10 % Max. viscosity 22 mm²/s  Temperature Obar  Loi Cc 35 °C  Ambient temperature -10 °C 35 °C  Ambient temperature -10 °C 35 °C	Feature	Value
Force pilot operated  Actuation type  Sealing principle  Mounting position  Magnet, upright  Line installation  Fitting connection  G1 1/2  Electrical connection  Form A Plug as per EN 175301-803 Rectangular design  Nominal width  40 mm  Valve function  Manual 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 30.0 VA, holding power 30.0 VA  Permissible voltage fluctuations  4/- 10 %  Symbol  Medium pressure  Obar  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  Obar  Ambient temperature  -10 °C 35 °C  Leak rate to EN 12266-1  A	Type code	VZWF
Sealing principle Soft Mounting position Magnet, upright Type of mounting Line installation G1 1/2 Electrical connection Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width Valve function Annual override None Flow direction Medium Mounting position Nominal pressure of fitting PN AD Differential pressure Coil characteristics 110 V AC: 50/60 Hz, initial power 30.0 VA, holding power 30.0 VA Permissible voltage fluctuations Yellow Symbol Medium pressure Medium pressure Obar Coil characteristics 110 V AC: 50/60 Hz, initial power 30.0 VA, holding power 30.0 VA Permissible voltage fluctuations Y-/ 10 % Symbol Medium pressure Obar 10 bar Max. viscosity Leak rate to EN 12266-1 An Mainting pressure In or C 35 °C Ambient temperature In or C 35 °C Ambient temperature In or C 35 °C Leak rate to EN 12266-1	Design	
Mounting position Magnet, upright Line installation  G1 1/2  Form A Plug as per EN 175301-803 Rectangular design  Nominal width Valve function Magnet, upright Line installation  G1 1/2  Form A Plug as per EN 175301-803 Rectangular design  Nominal width Valve function Valve function None  Flow direction Non-reversible Medium Compressed air as per ISO 8573-1:2010 [7::] Intert gas Intert gas Mineral oil Water Neutral liquids Other flow media on request  Nominal pressure of fitting PN Valve function Valve functi	Actuation type	Electrical
Fitting connection  G1 1/2  Form A Plug as per EN 175301-803 Rectangular design  Nominal width  40 mm  2/2, closed, monostable  Manual override  None  Flow direction  Medium  Nominal pressure of fitting PN  Au  Coli characteristics  Form A Plug as per EN 175301-803 Rectangular design  None  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  Au  Coli characteristics  110 V AC: 50/60 Hz, initial power 30.0 VA, holding power 30.0 VA  Permissible voltage fluctuations  Form A Plug as per EN 175301-803 Rectangular design  None  Au  Au  Compressed air as per ISO 8573-1:2010 [7:] Inert gas Mineral oil Water Neutral liquids Other flow media on request  10 v AC: 50/60 Hz, initial power 30.0 VA, holding power 30.0 VA  Permissible voltage fluctuations  Form A Plug as per EN 175301-803 Rectangular design  Au  Dividing the solution of	Sealing principle	Soft
Electrical connection  Electrical connection  Electrical connection  Form A Plug as per EN 175301-803 Rectangular design  Nominal width  40 mm  2/2, closed, monostable  Manual override  None  Flow direction  Mon-reversible  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  110 V AC: 50/60 Hz, initial power 30.0 VA, holding power 30.0 VA  Permissible voltage fluctuations Symbol  Medium pressure  Obar  Coil characteristics  110 V AC: 50/60 Hz, initial power 30.0 VA, holding power 30.0 VA  Permissible voltage fluctuations Symbol  O0992976  Medium pressure  Obar  Obar  10 V AC: 50/60 Hz, initial power 30.0 VA, holding power 30.0 VA  Permissible voltage fluctuations Symbol  O0992976  Medium pressure  Obar  Obar  Obar  O10 C: 80 °C  Ambient temperature  -10 °C 80 °C  Ambient temperature  -10 °C 80 °C  Ambient temperature  -10 °C 85 °C	Mounting position	Magnet, upright
Form A Plug as per EN 175301-803 Rectangular design  Nominal width  Valve function  Manual override Flow direction  Medium  Mome  Medium  Mome  Mome	Type of mounting	Line installation
Plug as per EN 175301-803 Rectangular design  Nominal width  40 mm  2/2, closed, monostable  Manual override None Flow direction Non-reversible  Medium  Medium  Monual pressure of fitting PN  Ober flow media on request  Ober 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  Obar 10 bar  Medium pressure  Medium pressure  Obar 10 bar  Medium pressure  Obar 10 or  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	G1 1/2
Valve function  Z/2, closed, monostable  None  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 30.0 VA, holding power 30.0 VA Permissible voltage fluctuations +/- 10 %  Symbol  00992976  Medium pressure 0 bar 10 bar  Max. viscosity 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 30.0 VA, holding power 30.0 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	40 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 30.0 VA, holding power 30.0 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
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 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 30.0 VA, holding power 30.0 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  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 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 30.0 VA, holding power 30.0 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 30.0 VA, holding power 30.0 VA
Medium pressure  0 bar 10 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 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 22.5 m³/h	Leak rate to EN 12266-1	A
	Flow rate Kv	22.5 m³/h

Feature	Value
Standard nominal flow rate	23500 l/min
On switching time	620 ms
Switching time off	1140 ms
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Housing material	Cast stainless steel
Material number of housing	1.4581
Seals material	NBR
Material of screws	High-alloy stainless steel
Material number of screw	1.4301
Product weight	4500 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