Air solenoid valve VZWF-L-M22C-N112-400-V-2AP4-10

FESTO

Part number: 1492292





Data sheet

Diaphragm valve Force pilot operated Actuation type Electrical Sealing principle Soft Mounting position Magnet, upright Type of mounting Line installation Fitting connection 11/2 NPT 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 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 4/- 10 % Symbol 00992976 Medium pressure 0 bar 10 bar Max. viscosity 22 mm²/s Femperature 0 Ino °C 35 °C Ambient temperature 1-10 °C 35 °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 1 1/2 NPT 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 % Medium pressure Obar Coil characteristics 10 open 30.0 VA, holding power 30.0 VA Permissible voltage fluctuations 4/- 10 % Medium pressure Obar Obar Line installation How as open 30.0 VA Permissible voltage fluctuations 4/- 10 % Medium pressure Obar 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 11/2 NPT Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width 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 Au 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 Obar 10 bar Max. viscosity Leak rate to EN 12266-1 A Members times a control of the control of th	Design	
Mounting position Magnet, upright Line installation Line installa	Actuation type	Electrical
Electrical connection 11/2 NPT Form A Plug as per EN 175301-803 Rectangular design Nominal width 40 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 Volume Coil characteristics 10 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 0992976 Medium pressure 0 bar Medium pressure 0 obar 10 oc 80 oc Ambient temperature 10 oc 80 oc Ambient temperature 10 oc 35 oc Leak rate to EN 12266-1	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 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 O bar 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 10 bar Meximal pressure O bar 10 cr 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 2/2, closed, monostable Manual override None Flow direction Medium Medium Monitor Monitor Monitor Monitor Monoressed air as per ISO 8573-1:2010 [7:-:-] Inert gas Mineral oil Water Neutral liquids Other flow media on request Volume flow media on request 110 V AC: 50/60 Hz, initial power 30.0 VA, holding power 30.0 VA Permissible voltage fluctuations 1-10 % Symbol Medium pressure O bar Ober Ober Ober Ober Ober Ober Ober Obe	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 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 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	Fitting connection	1 1/2 NPT
Valve function Z/2, closed, monostable None 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 Fymbol Obar 10 bar Medium pressure O bar 10 bar Mexium pressure 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 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 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	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 ℃ 35 ℃
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 brass
Material number of housing	CW617N
Seals material	FPM
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)	1 - Low corrosion stress