Air solenoid valve VZWF-L-M22C-G2-500-E-2AP4-6-R1

FESTO

Part number: 1492237





Data sheet

Type code VZWF Design Diaphragm valve Fore pilot operated Actuation type Electrical Sealing principle Soft Mounting position Magnet, upright Type of mounting Line installation Fitting connection G2 Electrical connection Form A Plug as per FN 175301-803 Rectangular design Nominal width 50 mm Valve function 2/2, closed, monstable Manual override None How direction Non-reversible Medium Compressed air as per ISO 8573-1:2010 [7::-] Integral as a per ISO 8573-1:2010 [7::-] Integral as as a per ISO 8573-1:2010 [7::-] Integral as a per ISO 8573-1:2010	Feature	Value
Actuation type Electrical Sealing principle Soft Mounting position Magnet, upright Type of mounting Line installation Fitting connection G2 Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width 50 mm Valve function 2/2, closed, monostable Manual override None How 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 30.0 VA, holding power 30.0 VA Permissible voltage fluctuations 4/- 10% Symbol 00992976 Medium pressure 0 bar 6 bar Max. viscosity 2 cm²/s Temperature of medium 1.0 °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 Electrical connection Fitting connection Soft Mounting position Nominal width Soft Manual override Manual override Flow direction Medium Mounting Mountin	Design	
Mounting position Magnet, upright Type of mounting Line installation Fitting connection 62 Electrical connection Forn A Plug as per EN 175301-803 Rectangular design Nominal width 50 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 (as well as the control of	Actuation type	Electrical
Type of mounting Fitting connection G2 Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width S0 mm 2/2, closed, monostable Manual override Mone Flow direction Medium Medium Mominal 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 Medium pressure 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 M	Sealing principle	Soft
Fitting connection G2 Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width 50 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 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 80 °C Ambient temperature -10 °C 35 °C	Mounting position	Magnet, upright
Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width 50 mm 2/2, closed, monostable Manual override None Flow direction Medium Medium Monimal 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	Type of mounting	Line installation
Plug as per EN 175301-803 Rectangular design Nominal width 50 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 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	Fitting connection	G2
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 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	Electrical connection	Plug as per EN 175301-803
Manual overrideNoneFlow directionNon-reversibleMediumCompressed air as per ISO 8573-1:2010 [7:-:-] Inert gas Mineral oil Water 	Nominal width	50 mm
Flow direction Medium Medium Medium 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 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
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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 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 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 mm ² /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	EPDM
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