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

**FESTO** 

Part number: 1492228





## **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  Nominal pressure of fitting PN Au Obifferential 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 O0992976 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 % Medium pressure O bar 10 bar Max. viscosity 22 mm²/s Femperature Jo °C 80 °C Ambient temperature -10 °C 80 °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 0 bar Coil characteristics 110 V AC: 50/60 Hz, initial power 30.0 VA, holding power 30.0 VA Permissible voltage fluctuations Y-/ 10 % Symbol O0992976 Medium pressure Obar 10 bar Max. viscosity Leak rate to EN 12266-1 A Medient temperature -10 °C 35 °C Ambient temperature -10 °C 35 °C  | 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  Momerated  Mother flow media on request  Mominal 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  Mogegap76  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  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  Coli 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  Obar 10 bar  Medium pressure  Obar 10 bar  Medium pressure  Obar 10 oc 80 °C  Ambient temperature  -10 °C 85 °C  Leak rate to EN 12266-1  A   | 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<br>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 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   | 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<br>Mineral oil<br>Water<br>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 brass   |
| Material number of housing                 | CW617N   |
| Seals material                             | EPDM   |
| 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   |