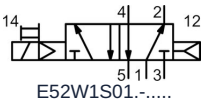
Partnership. With Guarantee.

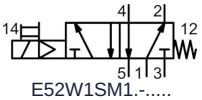
# 5/2-Way solenoid valve - pilot-operated 1/8"...1/2" Series E52W



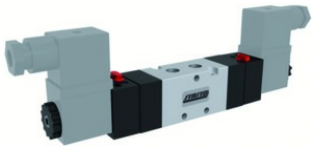


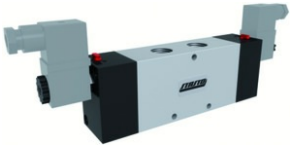
E52W1S01.-.....

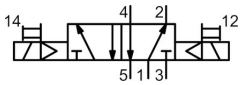




E52W1SM1.-.....







E52W2S01.-.....

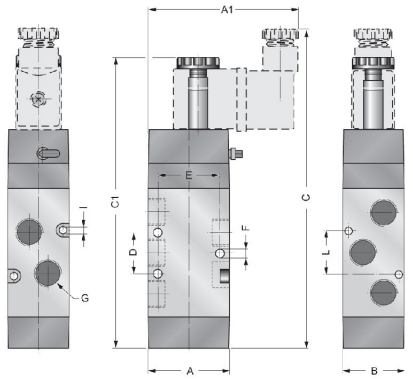
| | |
|---|---|
| Design type | 5/2-way solenoid valve pilot-operated, Actuation electric/internal pilot air, electric/spring or rather electric/electric, Manual emergency override |
| Connection | G1/8"...G1/2" according to ISO228/1 |
| Materials | Body Aluminium, Slide valve Nickel-plated aluminium, Seals NBR |
| Mounting type | Through holes in the valve body |
| Mounting position | any |
| Medium | filtered and lubricated or non-lubricated compressed air |
| Medium temperature | 0...+40°C |
| Ambient temperature | -10...+50°C |

## Electrical data:

| | |
|---|---|
| Coil type | Type C001 (Standard coil), Connector width 22mm<br>Type EPC (Coil for ATEX areas with 3 m cable) - Connection 1/8" only for individual valves |
| Electrical connection | connector according to industrial form B (see separate data sheet) |
| Standard voltage | 230V/50-60Hz, 24V/50-60Hz / 12VDC, 24VDC / 48V/50-60Hz |
| Special voltages | 115V/50-60Hz, further on request |
| Permissible voltage fluctuation | ± 10% |
| Power consumption | see table "Solenoid coil" |
| Duty cycle | 100% duty cycle (continuous operation) |
| Degree of protection | IP65 according to EN 60529 with correctly mounted device connector (Protection against dust ingress and water jets) |
| Notes: | When ordering, please specify voltage and type of current<br>Technical documentation for base plate see separate data sheet<br>CAD files are available in the STASTO Store at www.stasto.eu |


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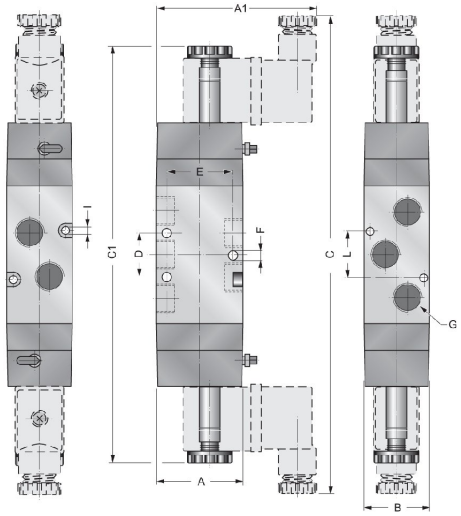
## E52W1S . 1 . - ..... Actuation electric/internal pilot air or rather electric/spring




| Connection G | Nominal size DN [mm] | Pressure range [bar] E52W1S0 / E52W1SM | A | A1 | B | C | C1 | D | E | F | I | L | Flow rate* [Nl/min] | Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1/8" | 6 | 2,5-10 / 3,2-10 | 30 | 63 | 26 | 150 | 136 | 18 | 23 | 4,25 | 3,25 | 28,6 | 650 | E52W1S.18 |
| G1/4" | 8 | 2,5-10 | 40 | 73 | 30 | 158 | 143 | 20 | 30 | 4,25 | 3,25 | 21 | 1080 | E52W1S.14 |
| G1/2" | 15 | 2,5-10 | 60 | 60 | 40 | 221 | 207 | 40 | 50 | 5,5 | - | - | 3500 | E52W1S.12 |

*Reference pressure 6bar, Reference temperature 20°C

## E52W2S01 . - ..... Actuation electric/electric



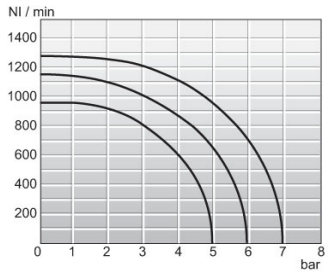

| Connection G | Nominal size DN [mm] | Pressure range [bar] | A | A1 | B | C | C1 | D | E | F | I | L | Flow rate* [Nl/min] | Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1/8" | 6 | 1,5-10 | 30 | 63 | 26 | 215 | 186 | 18 | 23 | 4,25 | 3,25 | 28,6 | 650 | E52W2S018 |
| G1/4" | 8 | 1,5-10 | 40 | 73 | 30 | 220 | 191 | 20 | 30 | 4,25 | 3,25 | 21 | 1080 | E52W2S014 |
| G1/2" | 15 | 1,5-10 | 60 | 60 | 40 | 280 | 252 | 40 | 50 | 5,5 | - | - | 3500 | E52W2S012 |

*Reference pressure 6bar, Reference temperature 20°C

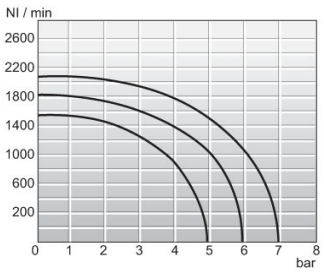


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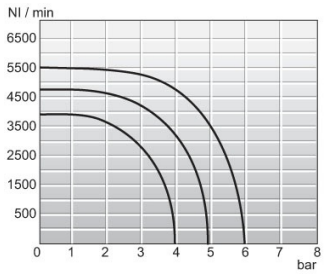
## Flow diagram




Flow diagram 1/8"

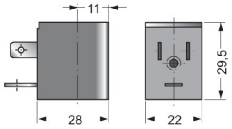
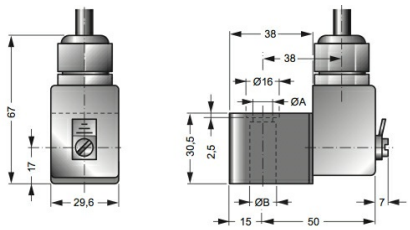



Flow diagram 1/4"




Flow diagram 1/2"

## Solenoid coils

| | | Voltage | Degree of protection | Power consumption at 20°C | Type |
|---|---|---|---|---|---|
|  |   | 24VDC / 48V/50-60Hz | IP65 | 3W/5VA | C001-03 |
| | | 24V/50-60Hz / 12VDC | | 5VA/3W | C001-04 |
| | | 230V/50-60Hz | | 5VA | C001-22 |
| | | 115V/50-60Hz | | 5VA | C001-23 |
|  |   | 24VDC | Ex II 2G Ex mb IIC T5 Gb Ex II 2D Ex mb tb IIIC T95°C IP66 Db | 3,0W | EPC02400 |
| | | 24V/50-60Hz | | 3.2W | EPC02450 |
| | | 110V/50-60Hz | | 3,2W | EPC11050 |
| | | 230V/50-60Hz | | 3,2W | EPC23050 |
| | | | | | |

## Switching time, nominal max. frequency

| Connection G | Switching time [ms] | | | | | | | | nominal max. frequency [Hz] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | E52W1S01.-C001... | | | | E52W1SM1.-C001... | | | | E52W1S01.-C001... | | E52W1SM1.-C001... | |
| | AC ONE | AC EXHAUST | DC ONE | DC EXHAUST | AC ONE | AC EXHAUST | DC ONE | DC EXHAUST | AC | DC | AC | DC |
| G1/8" | 10 | 20 | 17 | 24 | 17 | 21 | 19 | 34 | 29 | 17 | 13 | 13 |
| G1/4" | 18 | 33 | 21 | 44 | 19 | 35 | 21 | 46 | 16 | 13 | 11 | 11 |
| G1/2" | 47 | 58 | 49 | 58 | 47 | 60 | 49 | 60 | 11 | 10 | 8 | 8 |

| Connection G | Switching time [ms] | | | | nominal max. frequency [Hz] | |
|---|---|---|---|---|---|---|
| | E52W2S01.-C001... | | | | E52W2S01.-C001... | |
| | AC ONE | AC EXHAUST | DC ONE | DC EXHAUST | AC | DC |
| G1/8" | 10,5 | 10,5 | 12,5 | 12,5 | 31 | 22 |
| G1/4" | 11 | 11 | 14 | 14 | 27 | 21 |
| G1/2" | 24 | 24 | 28 | 28 | 14 | 13 |

Illustrations non-binding
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