# 3/2-way valve

pneumatic - »3A« series

EASY

**Art. No.** **116036**

**Type No.** **516.1002**




Exemplary illustration

3/2-way pilot valves

- Pneumatic -

## Technical data

| | |
|---|---|
| Operation | pneumatic |
| Function | 3/2 NO |
| Connection | G 1/8 IT |
| Exhaust connection | G 1/8 IT |
| Control air port | G 1/8 IT |
| Flow cross-section | 14.0 mm² |
| Flow rate measurement | at $P_1$ = 8 bar, $P_2$ = 6 bar and pressure drop $\Delta_p$ = 1 bar |
| Flow rate | 750 l/min |
| Medium | filtered compressed air (min. ≤ 40 µm) with or without lubrication. If lubricated, then continuous. |
| Operating pressure | 1.5 - 8 bar |
| Test pressure | 15 bar |
| Temperature range | -20 to 70 °C |
| Valve body | aluminium alloy |
| Size | 200 |
| Maximum switching frequency | 5 switching cycles |
| Series | 3A |

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The proficiency testing is the responsibility of the user.
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## Commercial data

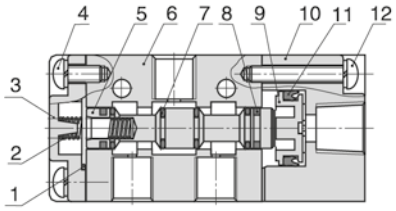
| | |
|---|---|
| Customs tariff number | 84818079 |
| Country of origin | CN |
| eCl@ss 5.1.4 | 27291501 |
| eCl@ss 9.0 | 27291390 |
| UNSPSC_Code_v190501 | 40141603 |
| UNSPSC_CodeDesc_v190501 | Pneumatic valves |

## Material informations

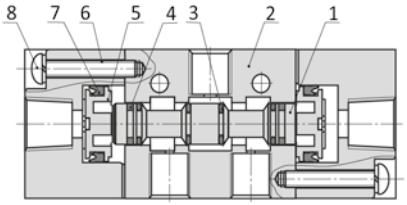
| | |
|---|---|
| RoHS materials notice | RoHS compliant |
| REACH Info | no SVHC substance included |

## Components and material

3/2-Wegeventil, monostabil




3/2-Wegeventil, bistabil




| No. | Item | Material |
|---|---|---|
| 1 | Gasket | NBR |
| 2 | Spring | Stainless steel |
| 3 | Cover | Aluminium alloy |
| 4 | Screw | Steel |
| 5 | Spool | Aluminium alloy |
| 6 | Body | Aluminium alloy |
| 7 | O-ring | HNBR |
| 8 | Wear ring | PA66 |
| 9 | Piston | POM |
| 10 | Pilot body | Aluminium alloy |
| 11 | O-ring | NBR |
| 12 | Screw | Steel |

## Port identification pneumatic valves

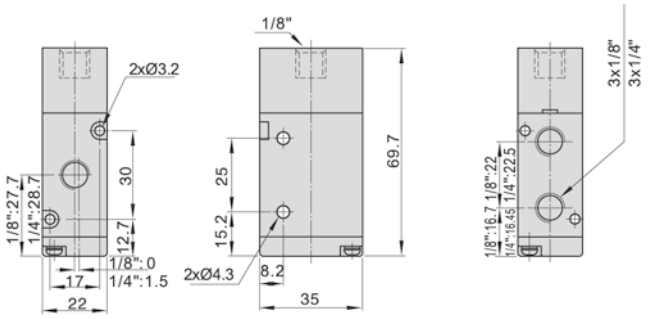
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| | Designation at the valve | Corresponds to ISO 1219-1 |
|---|---|---|
| Input port | P | 1 |
| Output port | A | 2 |
| Output port | B | 4 |
| Exhaust port | R | 3 |
| Exhaust port | S | 5 |
| Control port | Y | 12 |
| Control port | Z | 14 |

## Dimensions [mm]




| Connection | Exhaust connection | Control air port |
|---|---|---|
| G 1/8 IT | G 1/8 IT | G 1/8 IT |

## Accessories

| | Art. No. | Type No. |
|---|---|---|
| Multi-base plate for 3/2-way valve pneumatic / electropneumatic, 2 valve positions, for valves connection G 1/8, G 1/4 | 116219 | 5510.02-14 |
| Multi-base plate for 3/2-way valve pneumatic / electropneumatic, 3 valve positions, for valves connection G 1/8, G 1/4 | 116222 | 5510.03-14 |
| Multi-base plate for 3/2-way valve pneumatic / electropneumatic, 4 valve positions, for valves connection G 1/8, G 1/4 | 116225 | 5510.04-14 |
| Multi-base plate for 3/2-way valve pneumatic / electropneumatic, 5 valve positions, for valves connection G 1/8, G 1/4 | 116228 | 5510.05-14 |
| Multi-base plate for 3/2-way valve pneumatic / electropneumatic, 6 valve positions, for valves connection G 1/8, G 1/4 | 116231 | 5510.06-14 |
| Multi-base plate for 3/2-way valve pneumatic / electropneumatic, 7 valve positions, for valves connection G 1/8, G 1/4 | 116234 | 5510.07-14 |
| Multi-base plate for 3/2-way valve pneumatic / electropneumatic, 8 valve positions, for valves connection G 1/8, G 1/4 | 116237 | 5510.08-14 |

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