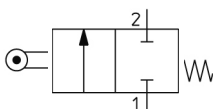


## VM200, 200 Series 2/3 Port Mechanical Valve VM220-02-01SA

### Datasheet

### General series information

- Fluid: Air/Inert gas.
- Large flow capacity.
- Possible to choose mounting method with side ported.
- Variety of actuator types.



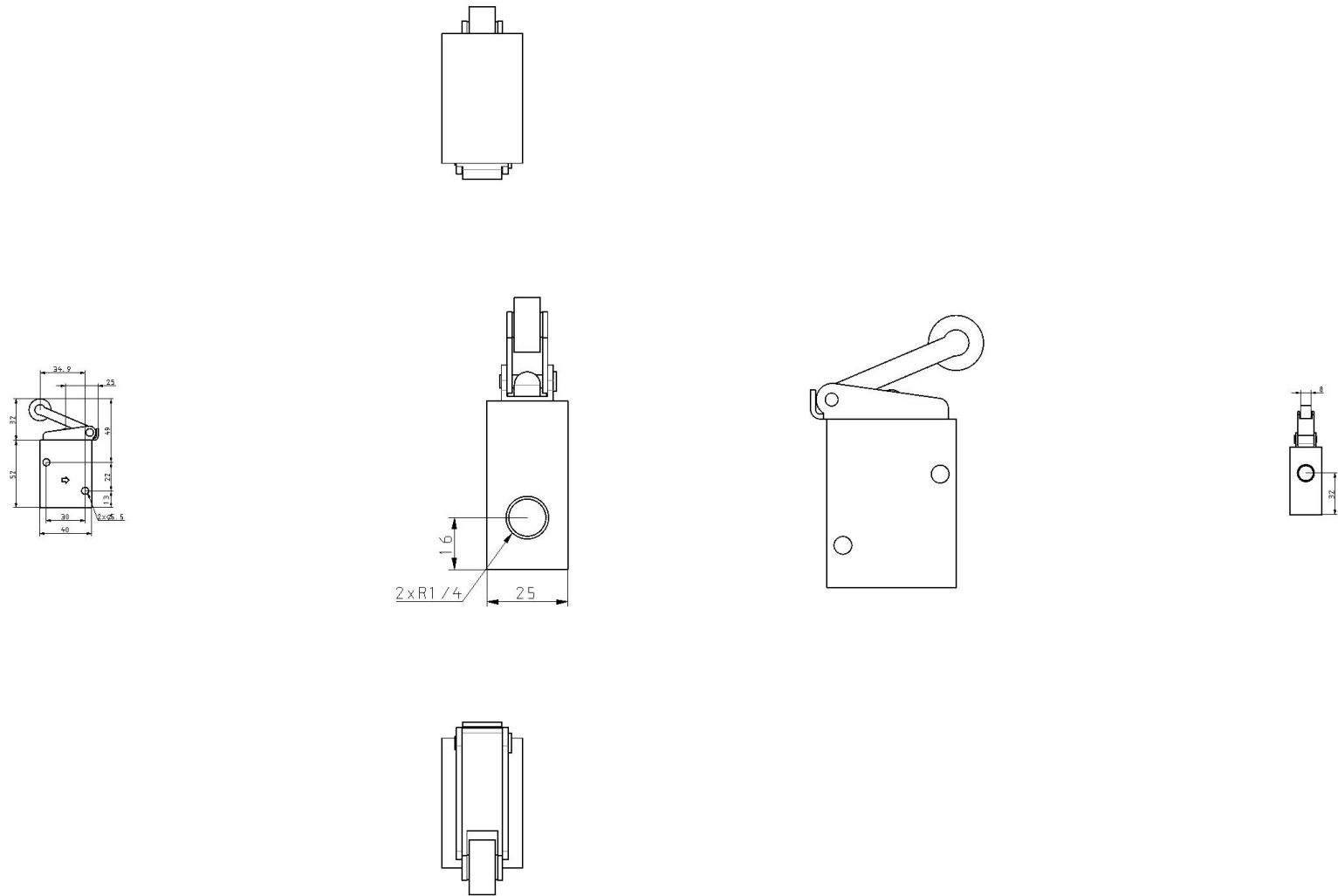
*Directional control valve 2/2-way valve, closed normal position With mechanical control roller  
Return with mechanical control spring*

### Standard specifications

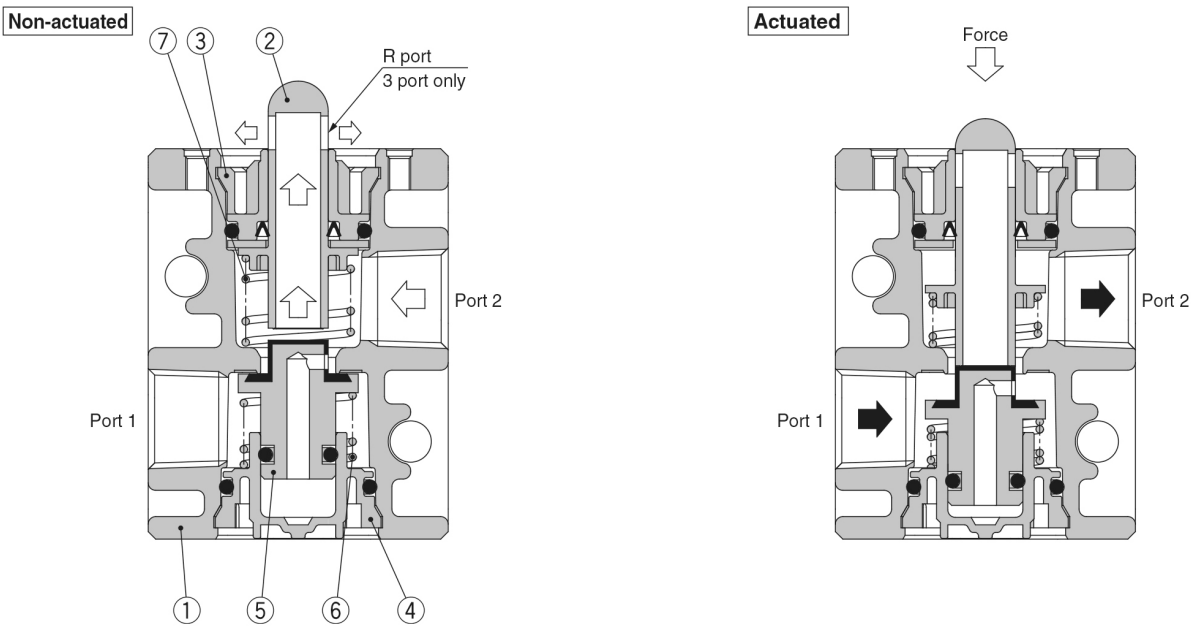
|                                        |                       |
|----------------------------------------|-----------------------|
| Number of Ports                        | 2 Port                |
| Body Option                            | Side Mounting         |
| Port Size                              | 02 (R 1/4)            |
| Actuator type                          | 01 (Roller Lever)     |
| Suffix                                 | S (Hard Steel Roller) |
| Bracket                                | None                  |
| Pressure medium                        | Air/Inert gas         |
| Maximum temperature of pressure medium | 60 °C                 |
| Minimum temperature of pressure medium | -5 °C (No freezing)   |
| Maximum operating pressure             | 1.0 MPa               |
| Minimum operating pressure             | 0 MPa                 |
| Maximum ambient temperature            | 60 °C                 |
| Minimum ambient temperature            | -5 °C (No freezing)   |
| Pneumatic input connection             | R 1/4                 |
| Pneumatic exhaust connection           | R 1/4                 |
| Function in normal position            | Closed                |
| Type of piloting                       | Directly              |
| Valve return                           | Mechanical spring     |
| Flow rate                              | 1088 l/min            |

|                                            |              |
|--------------------------------------------|--------------|
| Critical pressure ratio                    | 0.4          |
| Sonic conductance dm <sup>3</sup> /(s·bar) | 4            |
| Actuation type                             | Mechanically |
| Weight                                     | 0.150 Kg     |

Dimensions



Constructions



Component Parts

| No. | Description      | Material        | Note         |       |
|-----|------------------|-----------------|--------------|-------|
| 1   | Valve            | ADC             | White coated |       |
| 2   | Plunger          | Polyacetal      | 2 port       | Grey  |
|     |                  |                 | 3 port       | White |
| 3   | Plunger retainer | PBT             |              |       |
| 4   | Cover            | PBT             |              |       |
| 5   | Inner valve      | NBR, Brass      |              |       |
| 6   | Spring           | Stainless steel |              |       |
| 7   | Spring           | Spring steel    |              |       |

## Additional information

|                      |                                          |
|----------------------|------------------------------------------|
| Catalogue            | <a href="#">VM100-200-A_EU.pdf</a>       |
| Installation manuals | <a href="#">IM_VM100_TF2Z478EN-C.pdf</a> |