### Speed Controller / Valve with Adjusting Dial

**Flow Rate Control Valves with One-Touch Coupling**

#### Features
- Linear flow rate characteristics proportional to needle revolutions.
- Dial display makes it easy to control value of flow rate.
- Mounting part with 360° turn provides free mounting.
- Slide locking lever provides easy locking.

#### PRECAUTIONS
- Throttle valves for controlling both right and left sides flow rate.
- Not applicable as a stop valve which requires no leakage.
- Fix the dial with slide locking lever after adjusting flow rate.
- Tighten the mounting screw at 0.8N·m or lower.

#### Flow Rate Characteristics

- Linear flow rate characteristics proportional to needle revolutions.
- Dial display makes it easy to control value of flow rate.
- Mounting part with 360° turn provides free mounting.
- Slide locking lever provides easy locking.

#### PRECAUTIONS
- Throttle valves for controlling both right and left sides flow rate.
- Not applicable as a stop valve which requires no leakage.
- Fix the dial with slide locking lever after adjusting flow rate.
- Tighten the mounting screw at 0.8N·m or lower.

### Specifications

- **Applicable Fluid**: Air / N2 Gas / Vacuum
- **Max. Operating Pressure**: 1.5MPa
- **Operating Temperature Range**: 0 ~ 60°C
- **Max. Operating Pressure**: 1.5MPa
- **Operating pressure is set at ambient temperature (20°C).**
- **Neg. Pressure**
- **Negative pressure**: 10kPa

### Table

#### Part Number

<table>
<thead>
<tr>
<th>Type</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>E</th>
<th>Thread</th>
<th>M</th>
<th>Mass (g)</th>
<th>Unit Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>MNSP</td>
<td>1.1</td>
<td>1.7</td>
<td>0.9</td>
<td>1.4</td>
<td>M5x0.8</td>
<td>3.6</td>
<td>0.15</td>
<td>20.5</td>
</tr>
<tr>
<td>MNSP</td>
<td>1.1</td>
<td>1.7</td>
<td>0.9</td>
<td>1.4</td>
<td>M5x0.8</td>
<td>3.6</td>
<td>0.15</td>
<td>20.5</td>
</tr>
</tbody>
</table>

#### Volume

| SPCNLH | 21.6 | 10.2 |

### Flow Rate Characteristics

- Linear flow rate characteristics proportional to needle revolutions.
- Dial display makes it easy to control value of flow rate.
- Mounting part with 360° turn provides free mounting.
- Slide locking lever provides easy locking.

#### PRECAUTIONS
- Throttle valves for controlling both right and left sides flow rate.
- Not applicable as a stop valve which requires no leakage.
- Fix the dial with slide locking lever after adjusting flow rate.
- Tighten the mounting screw at 0.8N·m or lower.

### Flow Rate Characteristics

<table>
<thead>
<tr>
<th>D=4</th>
<th>D=6</th>
<th>D=8</th>
</tr>
</thead>
</table>

### Bottom Side Mounting Example

- **Manifolds**
- **Part Number**: MNSPJS, MNSPS, MNSPSL, MNSPSR, MNSPJS5, MNSPJS6
- **Nominal**: M5, M5, M5, M5, M5
- **Color**: White, White, White, White, White

---

### Diagram

- **In-Line**
- **Meter Out**
- **In-Line**
- **Flow Rate Control Valves with One-Touch Coupling**
- **Miniature Straight**
- **Straight**
- **Miniature In-Line**
- **In-Line**
- **Miniature In-Line**
- **Flow Rate Control Valves with One-Touch Coupling**
Regulator / Quick Exhaust Valves
Elbow / Unions / Elbow with Gauge / Unions with Gauge

Structure Diagram (Elbow: RGC)

As with a relief mechanism, the pressure will be

Tube End

V Packing (Nitrile Rubber)

pc(s). 10~20

Regulator Body Spring (Stainless Steel)

O-Ring (Nitrile Rubber)

Features

• With a relief mechanism, the pressure will be reduced and flow out from the fitting side when the primary pressure is set on the screw side.

• Set the pressure upward (clockwise). Downward setting (counterclockwise) does not provide secondary pressure fluctuations. It may result in equipment damage or malfunction. In the case of high secondary pressure fluctuations, it may result in equipment damage or malfunction. In the case of high secondary pressure fluctuations, it may result in equipment damage or malfunction.

• Do not use the regulator in such a way that the pressure exceeds the preset level due to large

Operating Temp. Range

10~20

Volume

Not applicable as shuttle valve.

Quick Exhaust Valves - Straight (RGC4)

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)

Quick Exhaust Valves - Standard

Quick Exhaust Valves - Straight

Quick Exhaust Valves - Unions (With Exhaust Throttle)