Pneumatic

Applications included air-blowing, charging fluid into a vessel, or discharging (Blow-molding equipment, etc.)

- **High pressure**
  - Discharging
  - Medium pressure

- **Medium pressure**
  - Charging

- **Low pressure**
  - Exhaust

Components:
- Silencer VCHN3/4
- Check valve VCHC40
- Pilot operated 2 port solenoid valve Normally open VCH42
- Pilot operated 2 port solenoid valve Normally closed VCH41
- Direct operated regulator (Relieving type) VCHR30/40
- Pressure switch
- Solenoid valve (2/3 port) Check valve
- Regulator

Made to Order/Manifold Unit
## Equipment Variation

**Example of driving a cylinder**

Pilot operated 3 port solenoid valve

<table>
<thead>
<tr>
<th>Description</th>
<th>Features</th>
<th>Maximum operating pressure (MPa)</th>
<th>Series</th>
<th>Port size</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pilot operated 2 port solenoid valve</td>
<td></td>
<td>5.0</td>
<td>VCH41(N.C.)</td>
<td>● ●</td>
<td>P.432</td>
</tr>
<tr>
<td>Check valve</td>
<td></td>
<td>5.0</td>
<td>VCH42(N.O.)</td>
<td>● ●</td>
<td>P.433</td>
</tr>
<tr>
<td>Pilot operated 3 port solenoid valve</td>
<td></td>
<td>5.0</td>
<td>VCH410</td>
<td>● ● ●</td>
<td>P.436</td>
</tr>
<tr>
<td>Direct operated regulator (Relieving type)</td>
<td></td>
<td>Inlet pressure 6.0</td>
<td>VCHR30</td>
<td>● ● ●</td>
<td>P.444</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Set pressure 0.5 to 5.0</td>
<td>VCHR40</td>
<td>● ● ●</td>
<td></td>
</tr>
<tr>
<td>Silencer</td>
<td>Noise reduction 35 dB(A)</td>
<td>5.0</td>
<td>VCHN3</td>
<td>● ● ●</td>
<td>P.450</td>
</tr>
<tr>
<td></td>
<td>(At supply pressure 4.0 MPa, back pressure 2.0 MPa)</td>
<td></td>
<td>VCHN4</td>
<td>● ● ●</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Clogging-reduction with double-layer construction</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Related Equipment**

- Pressure switch
- 2-color display Metal body (Aluminum die-cast)
  - 10.0
  - 15.0
  - ISE75(H) ●

**Made to Order**

1. 6.0 MPa pilot operated regulator (Air operated type)  P.448
2. 22.0 MPa 2 port air operated valve  P.439

Best Pneumatics No. 8