OVERVIEW
Model VPP02/03 double acting type pneumatic valve positioner mounted on the valve is a force-balance servo mechanism designed to position the control valve correctly and rapidly by bleeding or feeding air to the diaphragm, double acting actuation in accordance with the pneumatic signal from a controller.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Output characteristics:</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>VPP02</td>
<td>Linear, Equal percentage and Quick opening.</td>
<td></td>
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<tr>
<td>VPP03</td>
<td>200 to 340 kPa {2.0 to 3.5 kgf/cm²}</td>
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<tr>
<td></td>
<td>350 to 690 kPa {3.6 to 7.0 kgf/cm²}</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Input signal</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full range 20 to 100 kPa (Standard)</td>
<td>1</td>
</tr>
<tr>
<td>Half range 20 to 60 kPa (Low range)</td>
<td>2</td>
</tr>
<tr>
<td>Half range 60 to 100 kPa (High range)</td>
<td>3</td>
</tr>
</tbody>
</table>

Supply air pressure:
200 to 690 kPa {2.0 to 7.0 kgf/cm²}

Air consumption:
20 Nl/min. (normal state, supply air pressure 490 kPa {5.0 kgf/cm²})

Maximum capacity of air flow:
250 Nl/min. (supply air pressure 490 kPa {5.0 kgf/cm²})

Pneumatic tubing connection:
Rc 1/4

Ambient temperature:
-30 to +80 °C

Performance:
Accuracy ; ± 1% F.S.
Dead band ; 0.5% F.S.

Travel adjustable range:
14 to 100 mm

Additional specifications (by special order):
Corrosion-resistant and silver finish (Semi-standard specification Y138):
- Corrosion-resistant (Acryl baking) finish (Y138A) ; Resistance for corrosive gases.
- Corrosion-proof (Epoxy baking) finish (Y138B) ; Resistance for corrosive liquids.
- Silver-normal (Acryl baking) finish (Y138C) ; Protection for temperature rise of device caused by direct sun light, radiation heat, etc.
- Silver-corrosion-resistant (Acryl baking) finish (Y138D) ; Protection for above-mentioned temperature rise and resistance for corrosive gases.

Note) Silver finish is not applicable for alkaline gases.

Weight:
3.5 kg

Housing material:
Aluminum alloy casting

Finish:
Acryl baking finish (For corrosion-resistant and silver finish, refer to the optional specification.)

Color of finish:
Dark beige (Munsell 10YR 4.7/0.5)
Cam characteristics:
Linear (cam 1, standard) and two other kinds. By selecting the other two cams, valve characteristics can be approximated as follows:

(1) For reverse acting valve

Cam 2
- Linear characteristic valve plug
  --> Quick opening characteristic
- Equal percentage characteristic valve plug
  --> Linear characteristic

Cam 3
- Linear characteristic valve plug
  --> Equal percentage characteristic
- Quick opening valve plug
  --> Linear characteristic

(2) For direct acting valve
The effect of cams 2 and 3 applied to direct action valves is reversed as compared with the case of reverse action valves.

Ordering information
When ordering, please specify:
1) Model number
2) Input range
3) Supply air pressure
4) Actuator model No.
5) Output characteristic
6) Option
Note
Please, read 'Terms and Conditions' from following URL before the order and use.
http://www.azbil.com/products/bi/order.html

Specifications are subject to change without notice.

Azbil Corporation
Advanced Automation Company
1-12-2 Kawana, Fujisawa
Kanagawa 251-8522 Japan
URL: http://www.azbil.com/