OVERVIEW
Model VPR pneumatic valve positioner has been designed specifically for FloWing valves (Eccentric Rotary Control Valves). It enhances the response and other performance characteristics of the valves and minimizes the effect of fluid pressure variation.

FEATURES
1) The VPR is compact and can be readily installed.
2) All of the major components are housed in the casing and purged with bleeding air, thereby preventing corrosion caused by adverse atmosphere.
3) The VPR has an air booster mechanism. Although compact, the VPR provides a rapid response speed which is comparable with that of a large positioner.
4) The VPR can be effectively used when the controller signal span and the actuator spring span do not mutually conform, so that the valve position can be controlled in direct conformity with the controller signal.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Supply air pressure</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>VPR02</td>
<td>220 kPa (2.2 kgf/cm²)</td>
<td>(1)</td>
</tr>
<tr>
<td>VPR03</td>
<td>340 to 490 kPa (3.5 to 5.0 kgf/cm²)</td>
<td></td>
</tr>
</tbody>
</table>

Input signal:
- Full range 20 to 100 kPa (Standard) 1
- Half range 20 to 60 kPa (Low range) 2
- Half range 60 to 100 kPa (High range) 3

Ambient humidity: 10 to 90% PH
Performance:
- Accuracy: ± 2% F.S.
- Dead band: 0.1% F.S.

Operating speed (maximum):
- 8 sec. (with RSA2 actuator)
- 12 sec. (with VR3 actuator)

Additional specifications (by special order):
- Corrosion-resistant and silver finish (Semi-standard specification Y138):
  - 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: 1.3 kg

Housing material:
- Body: Aluminum alloy
- Cover: Polyester resin

Finish:
- Acryl baking finish

Color of finish:
- Dark beige (Munsell 10YR 4.7/0.5)
**Cam characteristics:**

By selecting the other linear cam (cam 1), valve characteristics can be approximated as follows:

**Cam 2**

Linear characteristic valve plug

--> Quick opening characteristic

---

**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/