CV3000 Alphaplus™
Top-Guided Single-Seated Control Valves

CV3000 Alphaplus embodies a highly developed control valve out of our decades of field experience.

- Improved Cost / Performance
- Simplified Selection
- Improved Safety
Features

- High performance
  - Extremely low seat leakage, *IEC Class V, is available as standard.
  - Smaller-sized actuator with a greater shut-off pressure rating compared with our previous models.

- More safety design
  - The body's low center of gravity achieves anti-vibration structure.
  - Thicker touch stem prevents itself from bending.
  - Stoutly designed forged steel actuator provides completely safe operation.

- Easy maintenance
  - Smaller and lighter design allows for easy maintenance and minimizes installation cost and space.
  - Administration cost is saved by compatible spare parts design.
  - The high performance Graphite Cored PTFE Yarn Packing reduces the total amount of packing.

- Smarter specifications
  - Optional Smart Valve Positioner, SVP3000 series, allows a wide range of added specifications, such as automatic set-up, range and characteristic change, HART protocol/Fieldbus communications, etc.

Main Specification

<table>
<thead>
<tr>
<th>Basic Model</th>
<th>AGV8 / AGVM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Structure</td>
<td>Top-guided single seat control valve</td>
</tr>
<tr>
<td>Diameter for connection</td>
<td>1 inch to 4 inch</td>
</tr>
<tr>
<td>Body material</td>
<td>A216WCB, A351CB, A351CF8M, SC1V2, SC13A, SC14A</td>
</tr>
<tr>
<td>Trim material</td>
<td>SUS316, SUS316 Stainless, SUS316 soft seal, SUS316 Stainless face, SUS316L, SUS316 Stainless</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-196°C to +400°C [-320°F to 750°F]</td>
</tr>
</tbody>
</table>

*Based on the standards defined in IEC60534-4:1999 and JIS B2007:1993 class VI and V

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Nanasonic Corporation changed its name to Azbil Corporation on April 1, 2012.
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Jul, 2008 (rev.5)-AZ

CA2-AGV200F

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