

**azbil**

# 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

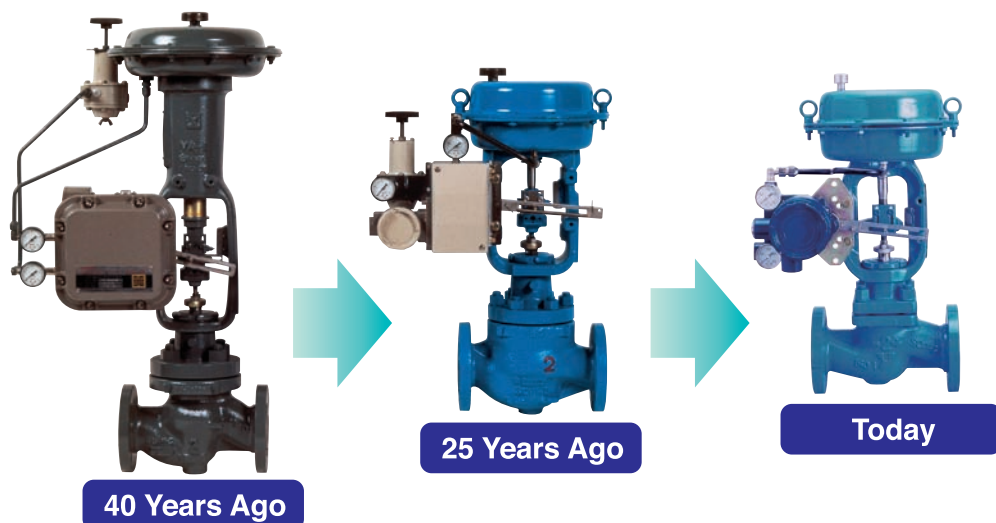
- Optional Smart Valve Positioner, SVP3000 series, allows a wide range of added specifications, such as automatic set-up, range and characteristic change, HART protocol/Fieldbus communications, etc.



### Main Specification

Basic Model	AGVB / AGVM
Structure	Top-guided single seat control valve
Diameter for connection	1 inch to 4 inch
Body material	A216WCB, A351CF8, A351CF8M SCPH2 SCS13A, SCS14A
Trim material	SUS316, SUS316 Stellite SUS316 soft seat SUS316 Stellite face SUS316L, SUS316L Stellite
Operating temperature	-196 °C to +400 °C (-320 °F to 750 °F)

\*Based on the standard defined as IEC60534-4-1999 and JIS B2007-1993 class VI and V.



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## Azbil Corporation

Advanced Automation Company

Yamatate Corporation changed its name to Azbil Corporation on April 1, 2012.

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