



Control Valve 6000 Series

Model AS_11 / AC_11

The New Era of Control Valve



Point 01

Contributing to
Plant Design and
Energy Efficiency

Point 02

Reducing
Installation Space

Point 03

Optimizing
Valve Selection

Control Valve 6000 Series

The Control Valve 6000 Series maximizes flexibility in plant design and operation by enhancing energy efficiency, reducing installation space, and enabling optimal valve selection.

01 Contributing to Plant Design and Energy Efficiency

- By selecting valves with high Cv values, flexibility in design and operation can be increased to accommodate future equipment expansions and fluctuations in plant operating rates.
- The improvement in Cv value reduces fluid resistance, contributing to reduced loads on pumps and compressors, thereby enhancing energy efficiency.

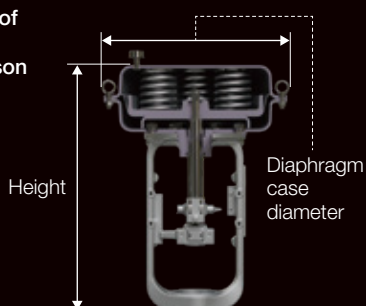
Valve size	Single-Seat						Cage					
	Linear			Equal Percentage			Linear			Equal Percentage		
	Current Models*1	6000 Series	Growth Rate (%)	Current Models*1	6000 Series	Growth Rate (%)	Current Models*2	6000 Series	Growth Rate (%)	Current Models*2	6000 Series	Growth Rate (%)
1/2B	4	5.1	128%	4	5.1	128%	-	-	-	-	-	-
3/4B	8	9	113%	8	9	113%	-	-	-	-	-	-
1B	14	20	143%	14	20	143%	-	-	-	-	-	-
1-1/2B	30	42	140%	30	42	140%	29	44	152%	29	37	128%
2B	50	71	142%	50	67	134%	56	71	127%	56	60	107%
2-1/2B	85	99	116%	85	99	116%	78	111	142%	78	99	127%
3B	115	142	123%	115	142	123%	110	146	133%	110	134	122%
4B	200	246	123%	200	232	116%	158	232	147%	158	207	131%
6B	-	-	-	-	-	-	322	516	160%	322	464	144%
8B	-	-	-	-	-	-	610	863	141%	610	735	120%

*1: Model AGVB *2: Model ACP

02 Reducing Installation Space

- By increasing the supply air pressure and optimizing spring design, actuator downsizing is achieved, contributing to the reduction of installation space.

Example of Actuator Comparison



	No.1		No.2	
	AGVM	6000 Series	HTS	6000 Series
Valve size (inch)	1-1/2		1-1/2	
Inner valve type	Single seat		Single seat	Cage
Rating	Class 300		Class 600	
Sheet Leakage	Class IV		Class IV	
ΔP_c (kPa)	1,563		4,982	
Actuator	PSA3	PA2	HA4	PA2
Height (mm)	485	346	612	346
Diaphragm case diameter (mm)	350	240	470	240

03 Optimizing Valve Selection

- By utilizing test equipment compliant with the IEC 60534 series, it is possible to accurately measure and disclose control valve flow characteristics and valve-specific parameters (FL value, xT value, Fd value). This enables optimal control valve selection.

Testing Facility Located within Azbil Kyoto



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