

Model No. ADVM**CV3000 Alphaplus Model No. Construction Table**

for Pressure-Balance type Control Valve (Model ADVB)

Basic Model No.		Selection									
ADVM											
Valve Size	6in. (150mm)	A									
	8in. (200mm)	B									
	10in. (250mm)	C									
	12in. (300mm)	D									
Port Size	4in. (100mm) EQ% *1	U									
	6in. (150mm) EQ% *1	W									
	8in. (200mm) EQ% *1	Y									
	10in. (250mm) EQ% *1	1									
	12in. (300mm) EQ% *1	2									
Rating	JIS 20K RF	C									
	JIS 30K RF	D									
	ANSI 300 RF	E									
	JPI 300 RF	F									
Bonnet	General purpose for Fluid Temp.-17 to 230 deg.C	1									
	Extension type for Fluid Temp.-45 to -17 deg.C or 230 to 400 deg.C	2									
Body Material	SCPH2	1									
	SCS13A	2									
	SCS14A	3									
	A216WCB	A									
	A351CF8	B									
	A351CF8M	C									
	Others Enter client's request	9									
Plug Material	SUS316	2									
	SUS316 Stellite	4									
	SUS316 Stellite face (Consult to Sales)	7									
	SUS316 Stellite Sheath (Consult to Sales)	F									
	UOP-A	H									
	UOP-G (Consult to Sales)	K									
Others Enter client's request	9										
Seat Leakage	ClassIII (0.1% of Cv value)	6									
	ClassIV (0.01% of Cv value)	1									
Gland Packing	PTFE yarn (for General purpose)	1									
	V shaped PTFE (for General purpose & Oil-free use)	2									
	V shaped PTFE (D)+(R) (for Vacuum service)	3									
	V shaped PTFE (for Low-temp. service)	5									
	V shaped PTFE (Oil free use) (delete)	A									
	Graphite Yarn (for High-temp & Water-resistant)	4									
	Graphite Yarn (for High & Low-temp oil-resistant)	6									
	Graphite Yarn (for Alkaline & Acid resistant)	7									
	Graphite Yarn (for Solvent resistant)	8									
Others Enter client's request	9										
Actuator and Valve action	PSA3R Reverse (Air fail close)	E									
	PSA3D Direct (Air fail open)	F									
	PSA4R Reverse (Air fail close)	G									
	PSA4D Direct (Air fail open)	H									
	HA4R Reverse (Air fail close)	1									
	HA4D Direct (Air fail open)	2									
Air supply press./ Spring range	270kPa / 80 to 240kPa	3									
	390kPa / 80 to 240kPa	4									
Finish	Standard (Blue:M10B5/10)	1									
	Silver	2									
	Silver, heat-resistant	3									
	Silver, corrosion-resistant	4									
	Silver, Saline-resistant (Recommend: exposed Bolts & Nuts:SUS304)	5									
	Others Body/Diaphragm Case/Yoke (Enter client's request)	9									

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Optional Selection

Optional Selection (Pulural available)

Manual Handle	No sselection	X			
	Side mount	S			
	Top Mount (HA4 actuator only)	T			
Positioner	No selection		X		
	Smart I/P [AVP300]		C		
	Smart I/P(with Position Tx) [AVP301]		D		
	Smart I/P TIIS Flameproof type [AVP300]		G		
	Smart I/P TIIS Flameproof type (With Motion transmitter) [AVP301]		H		
	Smart I/P Remote type [AVP200]		J		
	Smart I/P Remote type (With Motion transmitter) [AVP201]		K		
	Smart I/P TIIS Flameproof type Remote type [AVP200]		L		
	Smart I/P TIIS Flameproof type Remote type(With Motion transmitter) [AVP201]		M		
	I/P JIS Water-proof [HEP17]		1		
	I/P New JIS Flameproof [HEP15]		2		
	Pneumatic Std type [HTP]		6		
	Others Enter client's request		9		
Combination Filter and Regulator	No selection		X		
	Yes(w/o Press.Gage) [KZ03]		1		
	Others Enter client's request		9		
Solenoid Valves	No selection		X		
	General purpose J320G174 (ASCO)		1		
	TIIS Flameproof Type JE3J320G174 (ASCO)		3		
	Others Enter client's request		9		
Limit Switch	No selection			X	
	Water-proof Single mount [VCL5001]		1		
	Water-proof Dual mount [VCL5001]		2		
	TIIS Flameproof Single mount [VCX5001]		3		
	TIIS Flameproof Dual mount [VCX5001]		4		
	Others Enter client's request		9		
Positioner	Input signal: mA, kPa, kgf/cm ²				
	Change of Action: []No(Direct), []Yes(Reverse) *3				
	Change of Output Characteristics: []No, []Yes *1				
	Position Transmit'g feature: (for AVP301 only):[]4~20mA,[]DE *4				
	Compression packings HEP []None, []1piece				
TIIS Flameproof AVP [] No, [] Yes					
Solenoid Valves	Energize:[]CV CONTROL, []CV CLOSE,[]CV OPEN,[]OTHERS				
	De-energize:[]CV CONTROL, []CV CLOSE,[]CV OPEN,[]OTHERS				
	Power Supply []AC,[]DC V Hz				
Limit Switch	Operating position:[]CLOSE,[]OPEN,[]OPEN&CLOSE,[]Others				
	[]Pressure-tight packing adaptor				

No selection	X
Vinyl-sheathed copper tube + cap	A
Exposed Bolts & Nuts:SUS304 *2	B
Water-free treatment	D
Copper-free treatment(to process fluid)	E
Others	9

* For [Others] in the additional specification check the following items.

- []Material Certificates of Body & Bonnet.
- []Strength calculation
- []Air piping connection 1/4in. NPT
- []Flow characteristics Inspection
- []Radiographic test (RT)
- []Liquid penetrant test (PT)

High-pressure Gas regulation approval	Applicable fluid
	Gas type []Toxic gas []Flammable gas []Special HP. Gas []Others
	Grade []Grade1 []Grade2 []Grade3
	Design temperature deg.C
	Design pressure MPa
	Applicable Plant Name

***1 Output characteristics conversion**

In case of "No", A to C shall be Linear characteristics, and D to U shall be EQ% characteristics.
 In case of "Yes", A to C shall be EQ% characteristics, and D to U shall be Linear characteristics.
 Those above conversion shall be made by POSITIONER.

*2 Applicable to Stud Bolts for Body, Bolts & Nuts for Hand Wheel, Accessories, and Actuators

***3 Positioner Action**

Direct action: Increase pneumatic output when input signal increased.
 Reverse action: Decreased pneumatic output when input signal increased.

***4 AVP Position transmitting feature(AVP301 only)**

4-wire connection is required when use position transmitting feature.

DE: Digital Signal common to azbil Group.