

# VB-7000 SERIES FLANGED VALVE

## DESCRIPTION

VB-7000 series flanged valve is widely used in central air-conditioning, heating, water handling and industrial processing industry system to control the fluid of steam or cool / heat water.



## MATERIAL DESCRIPTION AND TECHNICAL DATA

PRODUCT		VB-7000 Standard Valve	VB-7000V High temperature valve (Steam Valve)
MATERIAL	VALVE BODY	HT250/Q235A	HT250/Q235A
	VALVE STEM	1Cr18Ni9 (AISI302) Ø9 Stainless steel	1Cr18Ni9 (AISI302) Ø9 Stainless steel
	VALVE PLUG	Casting brass	High intensity casting brass + stainless steel valve seat
	SEALING MATERIAL	Fluon filler and stainless steel compensation spring	Fluon filler and stainless steel compensation spring
	VALVE PLATE	Brass	Brass
PRESSURE RATING		1.6MPa	1.6MPa
WORKING MEDIUM		Water	Water / Steam
FLUID TEMPERATURE		2~95℃	2~180℃
FLOWING CHARACTERISTICS		Equal percentage	
PIPE CONNECTION		PN16 Flanged	
LEAKAGE		Less than 0.05% of Kv factor	
CLOSING DIRECTION		Valve stem goes up is closing	

## INSTALLATION

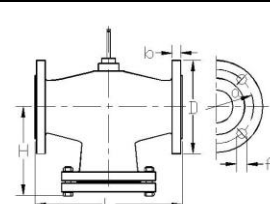
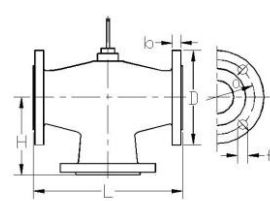
1. The valve should be mounted horizontal, the lean angle should not be more than 30°. Otherwise it will influence the working life of the valve. (See Fig. 1 and Fig. 2)
2. Before mounting the valve, make sure that the pipe is clean and free from soldering scraps, sand, stone or other sundries.
3. The pipe and valve body must be connected perfectly without vibration.
4. If the valve is mounted in the factory, which is working with high temperature fluid (steam, overheated water, diathermic liquid), it is necessary to use expansion joint to avoid expanding the pipe and pressing the valve.
5. The actuator should be mounted vertically on the valve body. Remain enough space so that the actuator can be taken down from the valve body during the daily maintenance.
6. Power supply must be shut off or insulated when maintain the valve. There should not have pressure in the water system.
7. For other installation requirements, please refer to the Installation Instruction of the actuator.

# SPECIFICATIONS AND TECHNICAL DATA

MODEL	TYPE	SIZE (DN)		FLANGE HOLES	NET WEIGHT (Kg)	Kv	MAX. DIFFERENTIAL PRESSURE (MPa)		STROKE (mm)
		mm	in				STANDARD VALVE FIT WITH VA-71XX	STEAM VALVE FIT WITH VA-72XX	
VB-7200-65(V)	2-Way	65	2½"	4	30	63	*0.2	*0.35	22
VB-7200-80(V)		80	3"	8	35	100	0.6	1.0	42
VB-7200-100(V)		100	4"	8	44	160	0.4	0.6	42
VB-7200-125(V)		125	5"	8	64	250	0.3	0.4	42
VB-7200-150(V)		150	6"	8	92	360	0.2	0.3	42
VB-7200-200(V)		200	8"	12	141	550	0.1	0.2	42
VB-7300-65(V)	3-Way	65	2½"	4	26	63	*0.2	*0.35	22
VB-7300-80(V)		80	3"	8	30	100	0.6	1.0	42
VB-7300-100(V)		100	4"	8	36	160	0.4	0.6	42
VB-7300-125(V)		125	5"	8	57	250	0.3	0.4	42
VB-7300-150(V)		150	6"	8	80	360	0.2	0.3	42
VB-7300-200(V)		200	8"	12	123	550	0.1	0.2	42

With "\*" means maximum differential pressure when VB-72(3)00-65 is fitted with VA-31(2)00 actuator.

## DIMENSIONS

FIGURE	MODEL	DIMENSIONS (mm)					
		L	H	D	b	a	f
	VB-7200-65(V)	290	148	185	20	145	18
	VB-7200-80(V)	310	185	200	20	160	18
	VB-7200-100(V)	350	206	220	20	180	18
	VB-7200-125(V)	400	227	250	22	210	18
	VB-7200-150(V)	480	272	285	22	240	22
	VB-7200-200(V)	600	337	340	24	295	22
	VB-7300-65(V)	290	148	185	20	145	18
	VB-7300-80(V)	310	155	200	20	160	18
	VB-7300-100(V)	350	174	220	20	180	18
	VB-7300-125(V)	400	195	250	22	210	18
	VB-7300-150(V)	480	238	285	22	240	22
	VB-7300-200(V)	600	300	340	24	295	22

## FLOW DIRECTION DIAGRAM

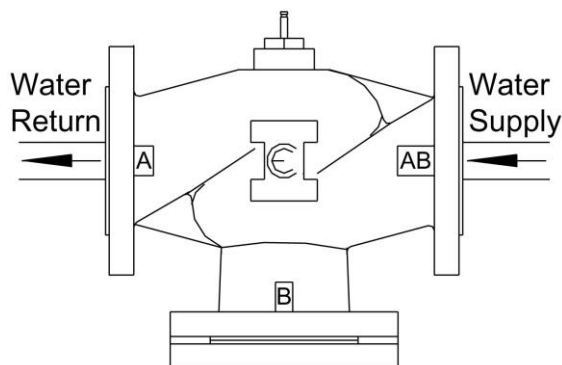


Fig. 1 Two-way valve

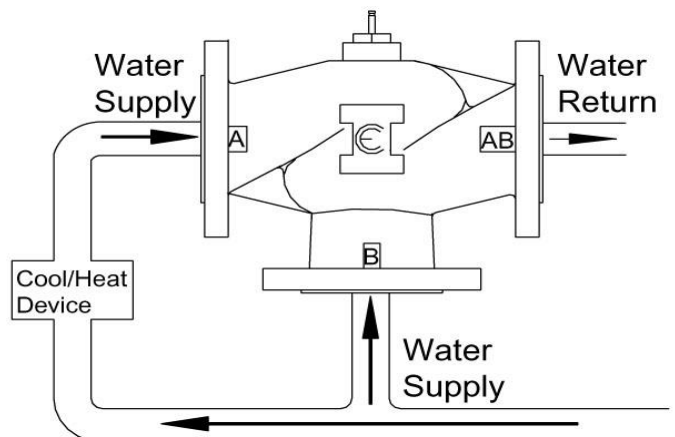


Fig. 2 Three-way valve