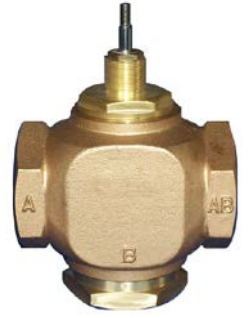


# VB-3000 SERIES BRASS VALVE

## DESCRIPTION

VB-3000 series brass valve is equipped with electrical control device, it can be used to control the flow of steam or cool / heat water in central air-conditioning, heating, water handling and industrial processing industry system.



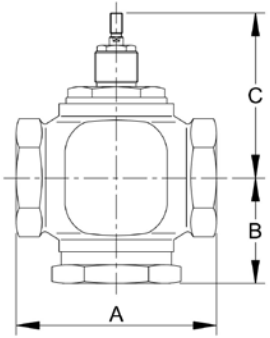
## MATERIAL DESCRIPTION AND TECHNICAL DATA

PRODUCT		VB-3000 Standard Valve	VB-3000V High temperature valve (Steam Valve)
MATERIAL	VALVE BODY	Casting brass	High intensity casting brass
	VALVE STEM	1Cr18Ni9	1Cr18Ni9
	SEALING MATERIAL	Fluon filler and O-ring Nitrile rubber sealing combination	Fluon filler and O-ring Fluorine rubber sealing combination
	VALVE PLATE	Forging brass with Nitrile rubber gasket	High intensity forging brass with Fluon gasket
PRESSURE RATING		1.6MPa (At 95°C)	1.6MPa (At 180°C)
PIPE CONNECTION		G / BSP / NPT	
WORKING MEDIUM		Water	Water / Steam
FLUID TEMPERATURE		2~94°C	2~180°C
FLOWING CHARACTERISTICS		Equal percentage	
LEAKAGE		Less than 0.05% of Kv factor	
CLOSING DIRECTION		Valve stem goes up is closing	

## SPECIFICATIONS AND TECHNICAL DATA

STANDARD VALVE MODEL	STEAM VALVE MODEL	TYPE	SIZE (DN)		Kv	STANDARD VALVE MAX. DIFF. PRES. (MPa)		STEAM VALVE MAX. DIFF. PRES. (MPa)		STROKE (mm)
			mm	in		FIT WITH VA-31XX	FIT WITH VA-32XX	FIT WITH VA-31XX	FIT WITH VA-32XX	
VB-3200-25	VB-3200-25V	2-Way	25	1"	8	1.0	1.4	0.8	1.2	15
VB-3200-32	VB-3200-32V		32	1¼"	16	0.75	1.1	0.6	1.0	19
VB-3200-40	VB-3200-40V		40	1½"	25	0.5	0.8	0.4	0.7	19
VB-3200-50	VB-3200-50V		50	2"	40	0.3	0.5	0.2	0.4	22
VB-3200-65	VB-3200-65V		65	2½"	63	0.2	0.35	0.2	0.35	22
VB-3300-25	VB-3300-25V	3-Way	25	1"	8	1.0	1.4	0.8	1.2	15
VB-3300-32	VB-3300-32V		32	1¼"	16	0.75	1.1	0.6	1.0	19
VB-3300-40	VB-3300-40V		40	1½"	25	0.5	0.8	0.4	0.7	19
VB-3300-50	VB-3300-50V		50	2"	40	0.3	0.5	0.2	0.4	22
VB-3300-65	VB-3300-65V		65	2½"	63	0.2	0.35	0.2	0.35	22

## DIMENSIONS

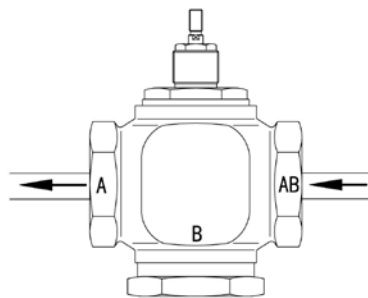
FIGURE	MODEL	DIMENSIONS (mm)		
		A	B	C
	VB-3200-25(V)	110	63	108
	VB-3200-32(V)	120	69	108
	VB-3200-40(V)	130	71	111
	VB-3200-50(V)	145	77	114
	VB-3200-65(V)	175	83	121
	VB-3300-25(V)	110	81	108
	VB-3300-32(V)	120	85	108
	VB-3300-40(V)	130	85	111
	VB-3300-50(V)	145	96	114
	VB-3300-65(V)	175	104	121

## INSTALLATION

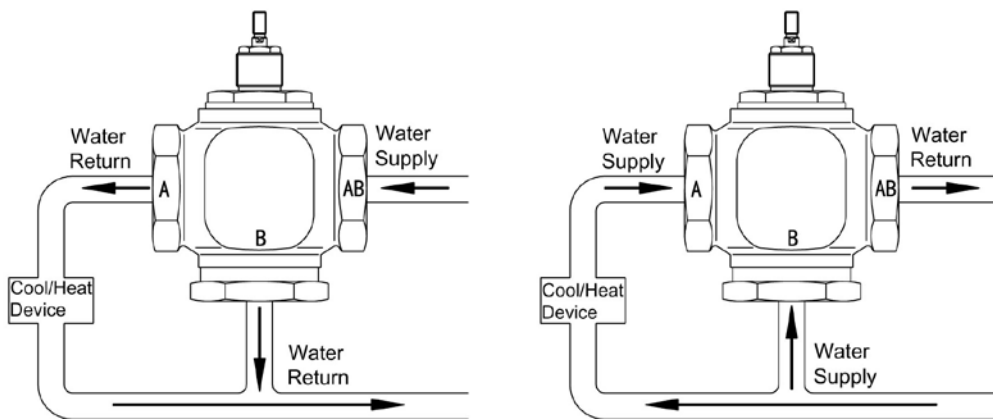
1. Before mounting the valve, make sure that the pipe is clean and free from soldering scraps, metal sheet, sand, stone or other sundries.
2. The pipe and valve body must be connected perfectly without vibration. The water flow direction should be the same as marked on the valve body.
3. If the valve 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.
4. The actuator should be mounted vertically on the valve body, and avoid the actuator below the valve body. Remain enough space so that the actuator can be taken down from the valve body during the daily maintenance.
5. Power supply must be shut off or insulated when maintain the valve. There should not have pressure in the water system.
6. For other installation requirements, please refer to the Installation Instruction of the actuator.

## FLOW DIRECTION DIAGRAM

### TWO-WAY VALVE



### THREE-WAY VALVE



Diverting 3-way

Mixing 3-way