

TVI-VB-3000 SERIES BRASS VALVE

DESCRIPTION

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



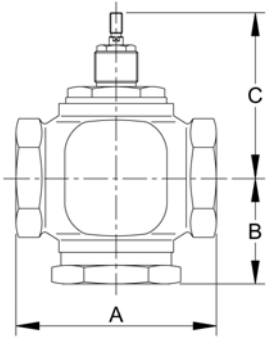
MATERIAL DESCRIPTION AND TECHNICAL DATA

PRODUCT		TVI-VB-32T / VB33T	TVI-VB-32TS / VB33TS High temperature valve (Vapor 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	
WORKING MEDIUM		Water	Water / Vapor
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	VAPOR VALVE MODEL	TYPE	SIZE (DN)		Kv	STANDARD VALVE MAX. DIFF. PRES. (MPa)		VAPOR VALVE MAX. DIFF. PRES. (MPa)		STROKE (mm)
			m	in		FIT WITH TVI-SA/SM-1020-XX	FIT WITH TVI-SA/SM-1520-XX	FIT WITH TVI-SA/SM-1020-XX	FIT WITH TVI-SA/SM-1520-XX	
TVI-VB 32T-025	TVI-VB 32TS-025	2-Way	25	1"	8	1.0	1.4	0.8	1.2	15
TVI-VB 32T-032	TVI-VB 32TS-032		32	1¼"	16	0.75	1.1	0.6	1.0	19
TVI-VB 32T-040	TVI-VB 32TS-040		40	1½"	25	0.5	0.8	0.4	0.7	19
TVI-VB 32T-050	TVI-VB 32TS-050		50	2"	40	0.3	0.5	0.2	0.4	22
TVI-VB 32T-065	TVI-VB 32TS-065		65	2½"	63	0.2	0.35	0.2	0.35	22
TVI-VB 33T-025	TVI-VB 33TS-025	3-Way	25	1"	8	1.0	1.4	0.8	1.2	15
TVI-VB 33T-032	TVI-VB 33TS-032		32	1¼"	16	0.75	1.1	0.6	1.0	19
TVI-VB 33T-040	TVI-VB 33TS-040		40	1½"	25	0.5	0.8	0.4	0.7	19
TVI-VB 33T-050	TVI-VB 33TS-050		50	2"	40	0.3	0.5	0.2	0.4	22
TVI-VB 33T-065	TVI-VB 33TS-065		65	2½"	63	0.2	0.35	0.2	0.35	22

DIMENSIONS

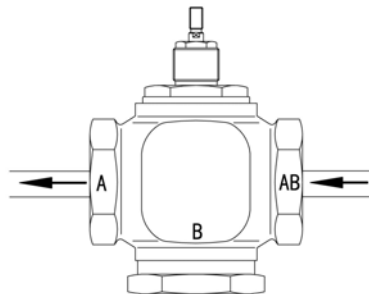
FIGURE	MODEL	DIMENSIONS (mm)		
		A	B	C
	TVI-VB 32T/ TS-025	110	63	108
	TVI-VB 32T/ TS-032	120	69	108
	TVI-VB 32T/ TS-040	130	71	111
	TVI-VB 32T/ TS-050	145	77	114
	TVI-VB 32T/ TS-065	175	83	121
	TVI-VB 33T/ TS-025	110	81	108
	TVI-VB 33T/ TS-032	120	85	108
	TVI-VB 33T/ TS-040	130	85	111
	TVI-VB 33T/ TS-050	145	96	114
	TVI-VB 33T/ TS-065	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

