

VB-4000 SERIES STAINLESS STEEL VALVE

DESCRIPTION

VB-4000 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

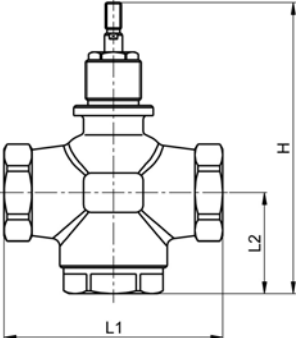
PRODUCT		VB-4000 Valve
MATERIAL	VALVE BODY	Casting stainless steel
	VALVE STEM	1Cr18Ni9
	SEALING MATERIAL	Fluon filler and O-ring Nitrile rubber sealing combination
	VALVE PLATE/ CLACK	Brass
PRESSURE RATING		1.6MPa (At 150°C)
PIPE CONNECTION		G / BSP / NPT
WORKING MEDIUM		Water/Steam
FLUID TEMPERATURE		0~130°C
FLOWING CHARACTERISTICS		Equal percentage
LEAKAGE		Less than 0.05% of Kv factor

SPECIFICATIONS AND TECHNICAL DATA

STANDARD VALVE MODEL	STEAM VALVE MODEL	TYPE	SIZE (DN)		Kv	STANDARD VALVE MAX. ΔP (MPa)		STEAM VALVE MAX. ΔP (MPa)		STROKE (mm)
			mm	in		FIT WITH VA-31XX	FIT WITH VA-32XX	FIT WITH VA-31XX	FIT WITH VA-32XX	
VB-4200-20(*Q)	VB-4200-20V(*Q)	2-Way	20	3/4"	6.3	1.2	1.6	1.0	1.4	20
VB-4200-25(*Q)	VB-4200-25V(*Q)		25	1"	10	1.0	1.4	0.8	1.2	
VB-4200-32(*Q)	VB-4200-32V(*Q)		32	1 1/4"	16	0.75	1.1	0.6	1.0	
VB-4200-40(*Q)	VB-4200-40V(*Q)		40	1 1/2"	25	0.5	0.8	0.4	0.7	
VB-4200-50(*Q)	VB-4200-50V(*Q)		50	2"	40	0.3	0.5	0.2	0.4	
VB-4300-20(*Q)	VB-4300-20V(*Q)	3-Way	20	3/4"	6.3	1.2	1.6	1.0	1.4	
VB-4300-25(*Q)	VB-4300-25V(*Q)		25	1"	10	1.0	1.4	0.8	1.2	
VB-4300-32(*Q)	VB-4300-32V(*Q)		32	1 1/4"	16	0.75	1.1	0.6	1.0	
VB-4300-40(*Q)	VB-4300-40V(*Q)		40	1 1/2"	25	0.5	0.8	0.4	0.7	
VB-4300-50(*Q)	VB-3300-50V(*Q)		50	2"	40	0.3	0.5	0.2	0.4	

* Q indicates Easy Installation type valve. The Easy Installation Actuator can only be installed on Easy Installation type valve. If Easy Installation type valve is required on steam valve, radiator is not available.

DIMENSIONS

FIGURE	MODEL	TYPE	DIMENSIONS (mm)		
			L1	L2	H
	VB-4200-20(V)	2-way	90	48	140
	VB-4200-25(V)		110	51	147
	VB-4200-32(V)		120	54	155
	VB-4200-40(V)		130	59	164
	VB-4200-50(V)		145	66	175
	VB-4300-20(V)	3-way	90	51	143
	VB-4300-25(V)		110	53	150
	VB-4300-32(V)		120	65	166
	VB-4300-40(V)		130	71	176
	VB-4300-50(V)		145	78	187

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

