



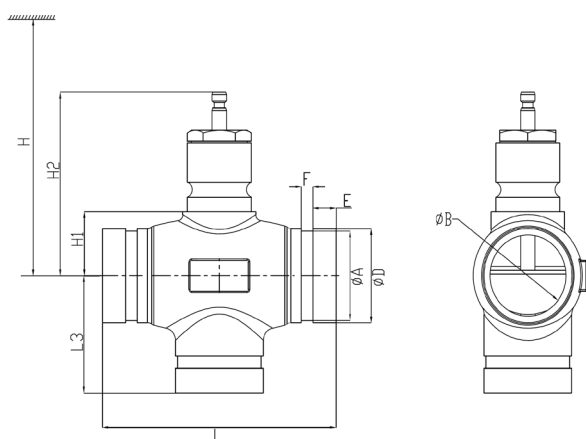
### SPECIFICATIONS

DN mm	DN40 - DN65
DN inch	1"1/2 - 2"1/2
Temperature	-25°C to 130°C
Type of body	Victaulic coupling
Application	Cold/hot water, Glycol solution concentration < 50%
Connection	Victaulic coupling
Test	EN 12266-2 (Test body safety and tightness, Test seat tightness)
Options	Other specifications on request

### ADVANTAGES

1. Perfect control curve
2. V-type seal ring + spring self-compensation
3. High quality materials
4. Low leakage rate

## DIMENSIONS

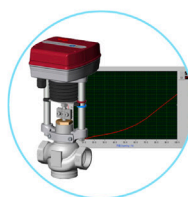


DN mm	DN inch	PFA	ØA	ØD	E	F	L	L3	H1	H	Kvs
40		16	45	48	16	8	145	70	36	351	20
50	2"	16	57	60	16	8	160	75	41	356	32
65		16	73	76	16	8	180	84	52	367	50

## NOMENCLATURE

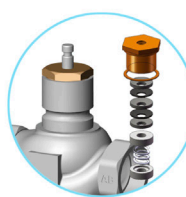
Designation	Materials
1.Body	Stainless steel
2.Stem	Stainless steel
3.Core	Stainless steel
4.Sealing ring	PTFE

## MAIN FEATURES



### • Perfect Control Curve

The rangeability of valve is 100:1, equipped with TW...series actuator which can get a perfect equal-percentage control curve.



### • V-ring Sealing Gland+ Spring Auto-compensation

Due to V-ring shape of the sealing gland, the effects of the inner hole shrinkage and cylindrical expansion of the sealing gland in the case of pressing by the spring, which ensures the sealing of the stem part is effective for a long time.



### • Low Leakage Rate

The leakage rate of valve is no more than 0.01% Kvs, the valve core and valve seat sealing surface are all stainless steel which could avoid the damage caused by debris in medium.

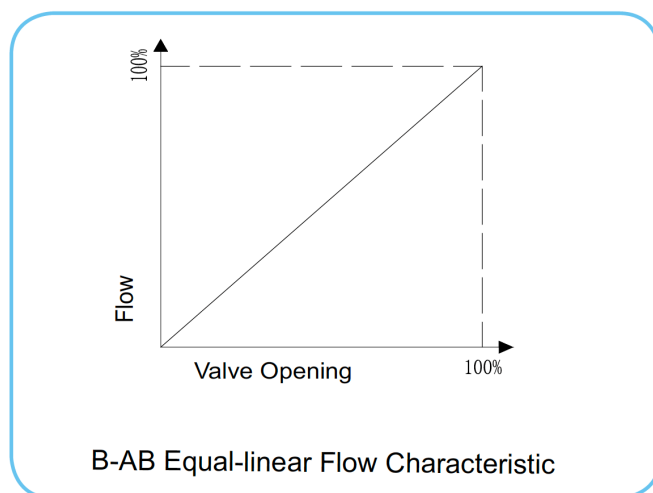
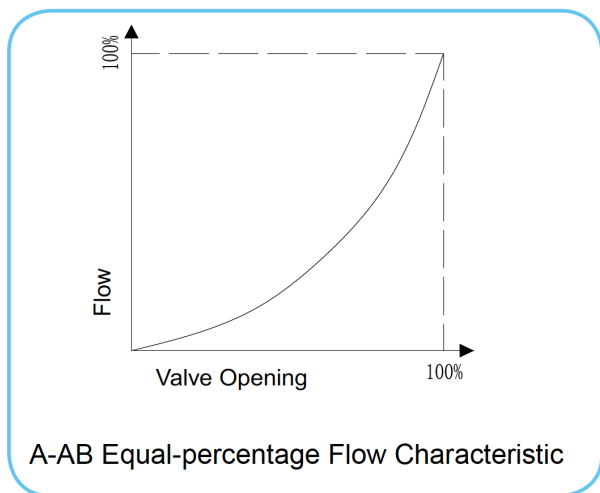


### • High-quality Material

The valve body is made of high-quality stainless steel, precision casting process makes the appearance of exquisite valve, excellent material strength is much higher than the copper valve.



## FLOW CHARACTERISTIC



## RELATION BETWEEN DIFFERENTIAL PRESSURE AND FLOW

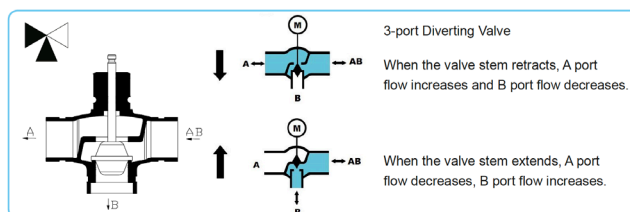
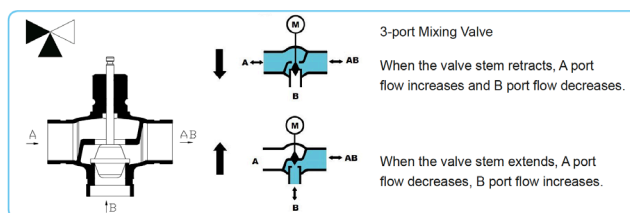
$$Kvs = \frac{V}{\sqrt{\frac{\Delta P}{100}}}$$

$\Delta P$ : Differential pressure when valve is full open (Unit: KPa)

V: Rating flow at the  $\Delta P$  (Unit: m<sup>3</sup>/h)

Kvs: Nominal flow coefficient, which refer to the flow when medium (Density= 1g/cm<sup>3</sup>) go through the full open control valve, whose  $\Delta P$  is 100KvPa.

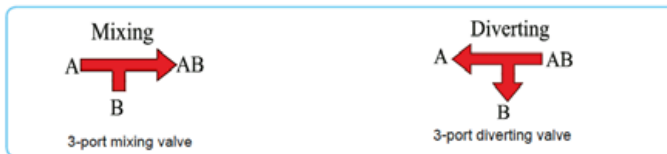
## STRUCTURE CHARACTERISTIC



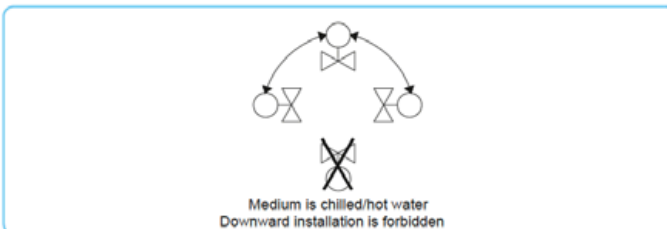
\*Remark: DN40-DN65 3-port valve only has mixing valve, if diverting is needed, just exchange port A and AB and follow the plate instruction.



1. Please note that the medium flow direction in valve should be consistent with pipeline medium!



2. Please pay attention to the valve mounting orientation!



3. Valve can be installed on the water supply pipe or return water pipe (installed on the return water pipe can control the water flow more smoothly, meanwhile the return water temperature is lower which can extend the lifetime of valve). Besides, filter and check valve are recommended to be installed. When the medium is steam, install draw off valve in the pipe can remove the condensed water, or it will affect the lifetime of valve.

4. Valve and actuator can be assembled easily. Neither need any special tools nor need to do any adjustment.

