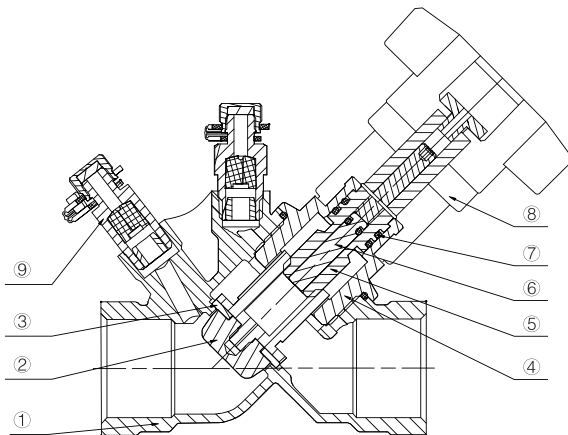
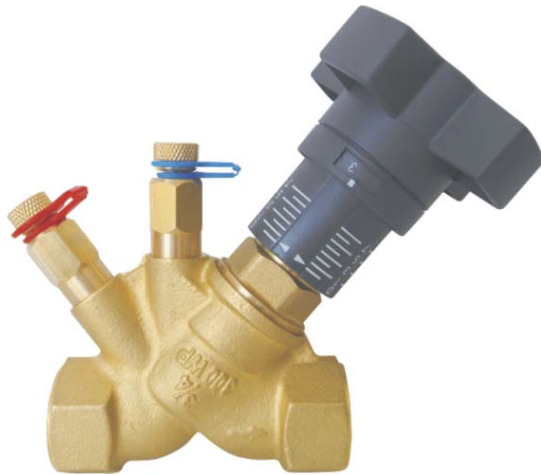


**STATIC BALANCING VALVE  
(DN15-DN50)**

Model : SVT



**APPLICATION**

The series SVT static balancing valve is designed for flow balancing in cooling, heating or process water systems. Its shutoff feature can be instead the globe valve. It also has the function of locking of maximum range. The function of locking will be opened after its system debugged. If the products need to be repaired, you can close the static balancing valve, and then directly return to the maximum range. It can avoid the second text, save many time and cost. Its measuring joint enable convenient system trouble shooting. Static balancing valve be used in water supply or return water pipe.

**FEATURES**

- Accurate flow control
- Numerical indicator of opening rate on the handwheel
- Open lacking is easy
- Shut-off function achieved by hand wheel
- Self-sealing measuring points to protect against leakage

**TECHNICAL SPECIFICATION**

- Diameter: DN15-DN50
- Working temperature : -10~120°C
- Working pressure : PN25
- Fluid medium : Cold and hot water/Ethylene glycol
- Connection : Threaded connection
- Connection standard : EN10226

**Materials:**

1. Body : Brass
2. Core : Brass
3. Base sealing : PTFE
4. Bonnet : Brass
5. Stem : Brass
6. Rod : DZR Brass CW602N
7. Handwheel : EPDM
8. Sealing : Plastic ABS
9. Measuring points : Brass

**CODING RULES**

SVT	Static balancing valve, Thread ends
DN	
015-DN15	020-DN20
025-DN25	032-DN32
040-DN40	050-DN50
OS	Two-way threaded
Pressure class	
P02	PN25

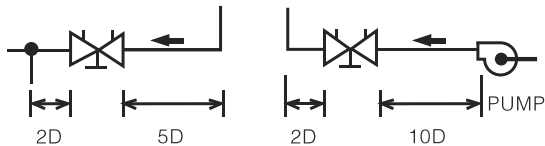
**TECHNICAL PARAMETERS**

Product Type		
Type	DN	Kvs
SVT015-OSP02	15	3.88
SVT020-OSP02	20	5.71
SVT025-OSP02	25	8.89
SVT032-OSP02	32	19.45
SVT040-OSP02	40	27.51
SVT050-OSP02	50	38.78

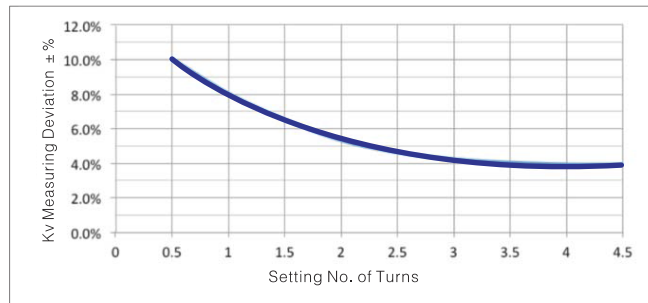
### INSTALLATION

People should ensure that there is no debris in the system before installation, please note that static balancing valve with flowing arrow point in the direction of the flow. Static balancing valve is usually installed on return pipe. When combined with differential pressure balancing valve, it can be used for supply pipe.

Generally, when connected to an elbow or a pump, the valve must keep a certain distance from the elbow or the pump. The rule is shown in the right figure. When connecting to a bend or pump, it is necessary to maintain a certain length of straight pipe. When connecting with elbow, follow valve 5d, rear 2d principle; Follow the 10d principle when connecting with a pump.

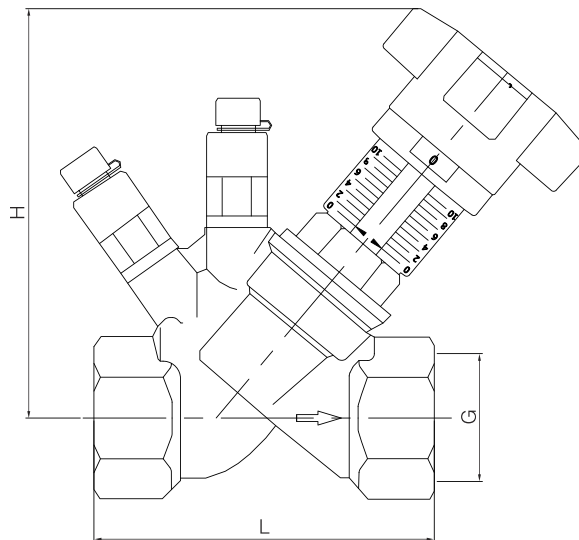


### MEASURING ACCURACY



According to the standard, When the valve's opening rate is greater than 50%, the deviation is lower than  $\pm 5\%$ . Based on this, it is suggested to choose a valve with at least 50% opening rate when working under the design flow. Additionally, in order to ensure adequate on-site commissioning allowance. It is recommended to set the valve at around 75% opening rate.

### DIMENSION



DN	G	L(mm)	H(mm)	Kvs
15	G1/2	80	114	3.88
20	G3/4	84	116	5.71
25	G1	97.5	119	8.89
32	G1 1/4	110	136	19.45
40	G1 1/2	120	138	27.51
50	G2	150	148	38.78