

APPLICATION

The series SVF 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
- Opening of the lock set position
- Shut-off function achieved by handwheel
- Self-sealing measuring points to protect against leakage

TECHNICAL PARAMETERS

Product Type		
Type	DN	Kvs
SVF040-0FP01	40	32.3
SVF050-0FP01	50	54.0
SVF065-0FP01	65	94.47
SVF080-0FP01	80	137.20
SVF100-0FP01	100	211.20
SVF125-0FP01	125	330.40
SVF150-0FP01	150	408.52
SVF200-0FP01	200	759.25
SVF250-0FP01	250	1162.25
SVF300-0FP01	300	1703.30
SVF350-0FP01	350	2250
SVF400-0FP01	400	2804
SVF450-0FP01	450	3750
SVF500-0FP01	500	4210

TECHNICAL SPECIFICATION

- Diameter: DN40-DN500
- Working temperature : -10~120°C
- Working pressure : PN16
- Fluid medium : Cold and hot water / Ethylene
- Connection : Flange connection
- Connection standard : EN1092-1/2

Materials:

1. Body : Ductile iron
2. Valve core : Ductile iron/Stainless steel/Brass
3. Screw: Stainless steel
4. Sealing : PTFE/EPDM
5. Stem : Brass/Stainless steel
6. Core rod : Brass/Stainless steel
7. Bonnet : Ductile iron
8. Lock Screw : Stainless steel
9. Handwheel : NylonDN40-DN250
Die-cast aluminumDN300-DN500
10. Measuring points : Brass

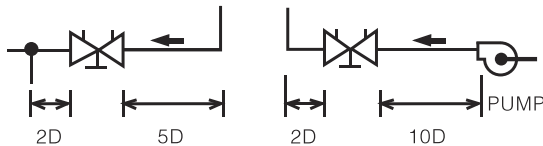
CODING RULES

	SVF 065- OF PO1
SVF	Static balancing valve, Flanged ends
DN	
040-DN40	050-DN50
065-DN65	080-DN80
100-DN100	125-DN125
150-DN150	200-DN200
250-DN250	300-DN300
350-DN350	400-DN400
450-DN450	500-DN500
OF	Two-way flanged
PN	
PO1	PN16

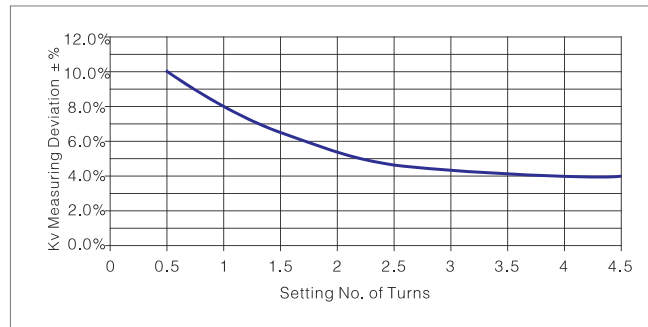
INSTALLATION

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.

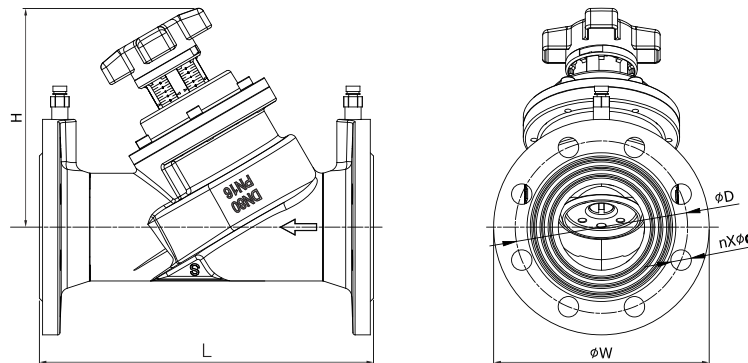


MEASURING ACCURACY



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	L(mm)	H(mm)	W(mm)	D(mm)	nxd(mm)
40	200	136	150	110	4x19
50	230	152	165	125	4x19
65	290	180	185	145	4x19
80	310	200	200	160	8x19
100	350	220	220	180	8x19
125	400	308	250	210	8x19
150	480	322	385	240	8x23
200	600	420	340	295	12x23
250	730	460	405	355	12x28
300	850	600	460	410	12x28
350	980	614	520	470	16x28
400	1100	642	580	525	16x31
450	1200	675	640	585	20x31
500	1250	713	715	650	20x34