ZAHO Forged Steel Globe Valve

FSV SERIES MOP: UP TO 99BARG @ 360°C

SVR SOLUTION ENGINEERING

ZAHO

MODEL	FSV
SIZE	1/2" – 2"
CONNECTION	SCREWED BSP / NPT
BODY MATERIAL	FORGED STEEL ASTM A105
MAX. OPERATING PRESSURE, PMO	99 BARG @ 360°C
MAX. OPERATING TEMP.	425°C @ 80 BARG
MAX. OPERATING PRESSURE for better lifespan	40 BARG @ 400°C
Type of Valve	Linear Regulating Globe Valve

TYPICAL APPLICATION：

ZAHO FSV Series is a linear type of regulating valves which is suitable to use for regulating the flow control.

It is a stop valve that suitable for industrial fluids such as: steam, gas, hot condensate, and liquid.

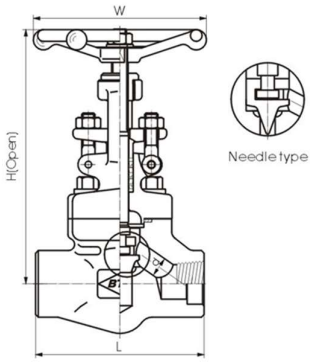
CONSTRUCTION：

- Design and manufacture conform to BS5352 MSS SP-118
- Bolted bonnet, outside screw and yoke (OS&Y)
- Screw ends conform to ANSI B1.20.1
- Test and inspection conform to API 598
- Material conform to ANSI/ASTM

INSTALLATION & LEAKAGE TEST：

- Recommended to install horizontally and follow the arrow as shown on the valve body and the handwheel should be in the proper position.

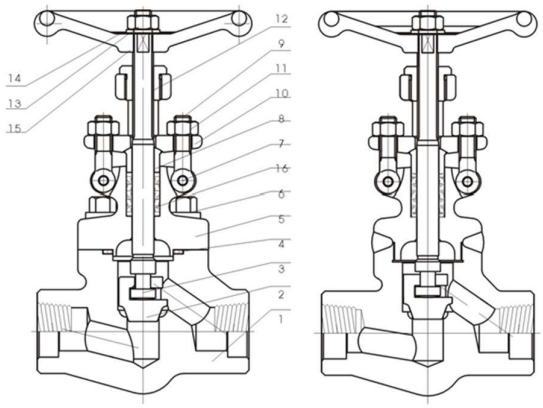
DIMENSIONS / WEIGHTS / Cv values (APPROXIMATE) IN MM AND KG



CL800 Bolted bonnet, full port & reducing port outside screw and yoke(OS & Y) Threaded, butt-welded or socket welded ends; design to BS 5352.

Specification (NPS)		R.P - / F.P 1/4	1/2 / 3/8	3/4 / 1/2	1 / 3/4	1 1/4 / 1	1 1/2 / 1 1/4	2 / 1 1/2	2 1/2 / 2	3 / 2 1/2
Face to face	L	79	79	92	111	120	152	172	200	
Handwheel diameter	W	100	100	100	125	160	160	180	200	
Height	H	164	164	164	203	224	260	300	355	
Flow port dimension	d	7	9	13	17.5	23	30	35	46	
Weight(Kg)		1.9	2.28	2.37	4.3	5.75	7.8	12.5	17.5	

LIST OF MATERIALS:



Main part materials list

NO.	Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	Body	A105	A105+HF	LF2	F11+HF	F304(L)	F316(L)	F51
2	Disc	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
3	Stem	410	410	304	410	304(L)	316(L)	F51
4	Gasket	304+ Flexible graphite	304+ Flexible graphite	304+ Flexible graphite	304+ Flexible graphite	304+ Flexible graphite	316+ Flexible graphite	316+ Flexible graphite
5	Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
6	Bolt	B7	B7	L7	B16	B8(M)	B8(M)	B8M
7	Pin	410	410	410	410	304	304	304
8	Gland	410	410	304	410	304	316	F51
9	Gland eyebolt	B7	B7	L7	B16	B8(M)	B8(M)	B8M
10	Gland flange	A105	A105	LF2	F11	F304	F304	F304
11	Hex nut	2H	2H	2H	2H	8(M)	8(M)	8M
12	Stem nut	410	410	410	410	410	410	410
13	Locking nut	35	35	35	35	35	35	35
14	Nameplate	AL	AL	AL	AL	AL	AL	AL
15	Handwheel	A197	A197	A197	A197	A197	A197	A197
16	Packing	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite