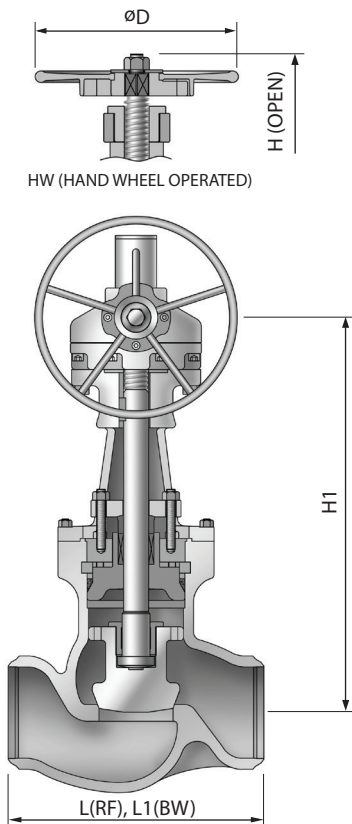


GLOBE VALVE



SERVICE RECOMMENDATION

1. The globe valve is normally installed with flow direction and pressure under the disc. In case the flow in valve directs to the opposite direction, always check at factory before installing the valve. Under a certain service condition, especially when a valve is equipped with cylinders or electric motor actuators, there is a cost advantage in designing and installing the valve flow over the disc. If the actuator is sized to such condition, care must be taken to install the valve correctly.

2. The globe valve is suitable for most throttling applications; however, it must not be used for a prolonged throttling at 10% open or less, which may cause excessive vibration, noise or damage to disc and seat. Use of small valve with a lower flow capacity may permit the valve to be opened to a greater percentage, and thus avoid damage. For continuous severe throttling, a control valve is required.

END CONNECTION

- R.F FLANGED ENDS TO ASME B16.5
- B.W. ENDS TO ASME B16.25
- R.T.J FLANGED ENDS TO ASME B16.5
- SIZE 26" AND LARGER, FLANGED ENDS ACCORDING TO ASME B16.47 SER.A OR SER.B

STANDARD MATERIAL SPECIFICATIONS

NO.	PART NAME	MATERIAL	
1	BODY	A216 - WCB	A217 - WC6
2	BONNET	A216 - WCB	A217 - WC6
3	DISC	A216 - WCB+STL	A217 - WC6+STL
4	STEM	A479 - 410	A479 - 410
5	HAND WHEEL	STEEL	STEEL
6	BODY SEAT	A216 - WCB+STL	A217 - WCB+STL
7	BACK SEAT	A216 - WCB+STL	A217 - WCB+STL
8	GASKET	SOFT STEEL	304 S.S
9	PACKING	GRAPHITE+GRAPHITE WITH INCONEL WIRE	
10	GLAND FLANGE	A283 - D	A283 - D
11	GLAND BOLT	A193 - B7	A193 - B7
12	GLAND NUT	A194 - 2H	A194 - 2H
14	PACKING GLAND	A576 - 1020+Cr	A479 - 410
15	BONNET BOLT	A193 - B7	A193 - B16
16	BONNET NUT	A194 - 2H	A194 - 4
17	GEAR BOX	DUCTILE IRON	DUCTILE IRON
19	LOCK NUT	A479 - 410	A479 - 410
21	YOKE	A216 - WCB	A216 - WCB
22	YOKE BOLT	A193 - B7	A193 - B7
23	YOKE NUT	A194 - 2H	A194 - 2H
25	BONNET CLAMP	A576 - 1045	A576 - 1045
26	RETAINER	A576 - 1045+Cr	A240 - 304
27	ADAPTER RING	A576 - 1045+Cr	A240 - 304
28	STEM PROTECTOR	A53	A53
29	HANDWHEEL	DUCTILE IRON	DUCTILE IRON
30	YOKE BUSH	A439 - D2C	A439 - D2C
31	HANDLE NUT	A563 - A	A563 - A

ACME threads machined accurately prolong the life of stem and bushing.

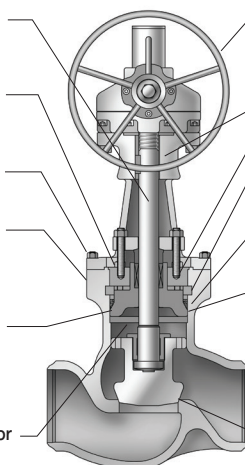
Inner row of studs establish the initial seal of the pressure seal joint.

Outer row of studs secures the yoke arm to the body.

By inserting knockout pin into a drilled hole, segmental thrust ring can be easily driven out of the retaining groove.

Stream line contour of body makes simple application and insulation cost reduction with a remarkable saving in both space and weight.

The stellited back seat area provides an accurate guide for stem.



All globe valve are equipped with hammer blow type handwheels. Two integrally-cast lugs on the upper side of the handwheel strike a steel crossbar simultaneously.

Bearings for easy operation.

Gland bolts and gland shelves facilitate re-packing.

Segmental thrust ring absorbs all the thrusts applied by internal pressure.

A hardened stainless steel protective ring prevents deformation of the top portion of the soft metallic gasket.

The bonnet joint shall remain tight under all operating conditions as the sealing pressure is always much greater than the fluid pressure in the line, thereby eliminating any leakage. The higher internal pressure, the greater sealing pressure. The gasket can be removed freely without any damage to the sealed of the body.

The seat face of integral body is faced with stellite 6

DIMENSION AND WEIGHT

CLASS 600

UNIT : mm

SIZE	2	3	4	6	8	10	12	16	18
L	292.1	355.6	431.8	558.8	660.4	787.4	-	-	-
L1	177.8	254.0	304.8	457.2	584.2	711.2	812.8	990.6	1092.2
D	224	315	315	-	-	-	710	-	-
D1	-	-	-	500	560	630	-	800	900
H	406	557	556	-	-	-	1324	-	-
H1	-	-	-	802	980	1060	-	1608	2038
WEIGHT(Kg)	25	44	73	158	413	475	672	1900	2989

CLASS 900

UNIT : mm

SIZE	2	3	4	6	8	10
L	368.3	381.0	457.2	609.6	736.6	838.2
L1	215.9	304.8	355.6	508.0	660.4	787.4
D	315	315	355	-	-	-
D1	-	-	-	560	630	630
H	575	585	669	-	-	-
H1	-	-	-	894	983	1069
WEIGHT(Kg)	49	76	119	355	586	700

CLASS 1500

UNIT : mm

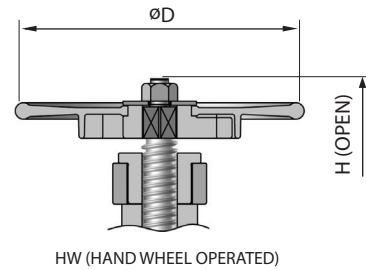
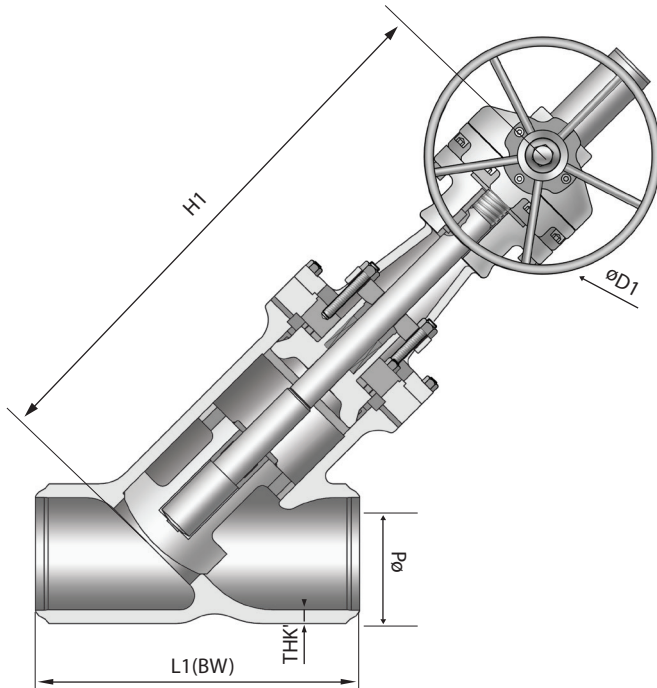
SIZE	2	3	4	6	8	10	12	14
L	368.3	469.9	546.1	704.9	831.9	990.6	-	-
L1	215.9	304.8	406.4	558.8	711.2	863.6	990.6	1067
D	315	355	400	-	-	-	-	-
D1	-	-	-	630	710	800	900	900
H	575	658	765	-	-	-	-	-
H1	-	-	-	850	1220	1353	1658	1858
WEIGHT(Kg)	60	91	132	420	668	934	1995	2035

CLASS 2500

UNIT : mm

SIZE	2	3	4	6	8	10
L	450.9	577.9	673.1	914.4	1022.4	1270.0
L1	279.4	368.3	457.2	609.6	762.0	914.4
D	355	400	-	-	-	-
D1	-	-	450	710	800	900
H	565	870	-	-	-	-
H1	-	-	903	1130	1278	1676
WEIGHT(Kg)	56	121	337	579	1085	1913

Y-GLOBE VALVE



NOTE

- DESIGN : ASME B16.34 & BS 1873
- END TO END DIMENSION : ASME B16.10
- BUTT WELDING END : ASME B16.25
- PRESSURE TEST : API 598

STANDARD MATERIAL SPECIFICATIONS

NO.	PART NAME	MATERIAL	
1	BODY	A216 - WCB	A217 - WC6
2	BONNET	A216 - WCB	A217 - WC6
3	DISC	A216 - WCB+STL	A217 - WC6+STL
4	STEM	A479 - 410	A479 - 410
5	HAND WHEEL	STEEL	STEEL
6	BODY SEAT	A216-WCB+STL	A217-WCB+STL
7	BACK SEAT	A216 - WCB+STL	A217 - WCB+STL
8	GASKET	SOFT STEEL	304 S.S
9	PACKING	GRAPHITE+GRAPHITE WITH INCONEL WIRE	
10	GLAND FLANGE	A283 - D	A283 - D
11	GLAND BOLT	A193 - B7	A193 - B7
12	GLAND NUT	A194 - 2H	A194 - 2H
14	PACKING GLAND	A576 - 1020+Cr	A479 - 410
15	BONNET BOLT	A193 - B7	A193 - B16
16	BONNET NUT	A194 - 2H	A194 - 4
17	GEAR BOX	DUCTILE IRON	DUCTILE IRON
19	LOCK NUT	A479-410	A479-410
21	YOKE	A216 - WCB	A216 - WCB
22	YOKE BOLT	A193 - B7	A193 - B7
23	YOKE NUT	A194 - 2H	A194 - 2H
25	BONNET CLAMP	A576 - 1045	A576 - 1045
26	RETAINER	A576 - 1045+Cr	A240 - 304
27	ADAPTER RING	A576 - 1045+Cr	A240 - 304
28	STEM PROTECTOR	A53	A53
29	HANDWHEEL	DUCTILE IRON	DUCTILE IRON
30	YOKE BUSH	A439 - D2C	A439 - D2C
31	HANDLE NUT	A563-A	A563-A

DIMENSION AND WEIGHT

CLASS 600

UNIT : mm

SIZE	2	3	4	6	10	12
L1	292.1	355.6	431.8	558.8	787.4	838.2
D	224	315	315	400	630	710
D1	-	-	-	500	630	630
H	464	571	646	907	1264	1394
H1	-	-	-	888	1269	1360
d	50.8	76.2	101.6	152.4	247.7	298.5
THK'	7.0	13.0	10.0	13.5	20.0	24.0

CLASS 900

UNIT : mm

SIZE	3	4	6	8	10	12	16
L1	381.0	457.2	609.9	736.6	787.4	965.2	1130.3
D	315	355	450	710	-	-	-
D1	-	-	560	630	630	900	900
H	632	682	925	1144	-	-	-
H1	-	-	987	1000	1119	1505	1928
d	72.9	98.3	146.1	190.5	238.0	282.5	355.6
THK'	11.0	13.0	19.0	23.0	27.5	32.5	41.0

CLASS 1500

UNIT : mm

SIZE	2	3	4	6	8	10	12	14	16	18	20
L1	368.3	469.9	546.1	704.9	831.9	990.6	1130.3	1066.8	1193.8	1346.2	1473.2
D	315	355	400	500	-	-	-	-	-	-	-
D1	-	-	-	630	710	800	800	900	900	900	900
H	588	672	762	1068	-	-	-	-	-	-	-
H1	-	-	-	958	1254	1453	1472	2168	2166	2310	2430
d	47.5	69.9	92.0	136.4	177.8	222.3	263.4	288.8	330.2	371.4	415.8
THK'	11.5	17.0	19.7	28.5	36.0	44.5	51.5	56.0	65.0	72.0	80.0

CLASS 2500

UNIT : mm

SIZE	2	3	4	6	8	10	12
L1	450.9	577.9	673.1	914.4	1022.4	1270.0	1422.0
D	355	400	450	710	-	-	-
D1	-	-	450	710	800	900	1500
H	584	890	972	1225	-	-	-
H1	-	-	800	1166	1323	1801	1970
d	38.1	57.2	72.9	111.0	146.1	184.2	219.0
THK'	17.0	23.0	28.5	40.5	54.0	66.0	78.0