

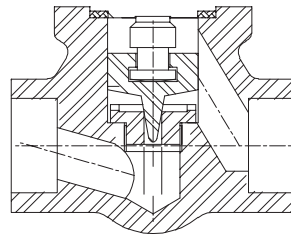
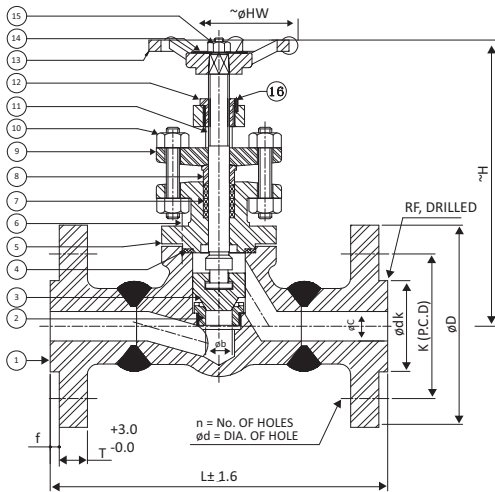
FORGED STEEL GLOBE VALVE FLANGE END - ASA 150 CLASS

Standards & Specifications:

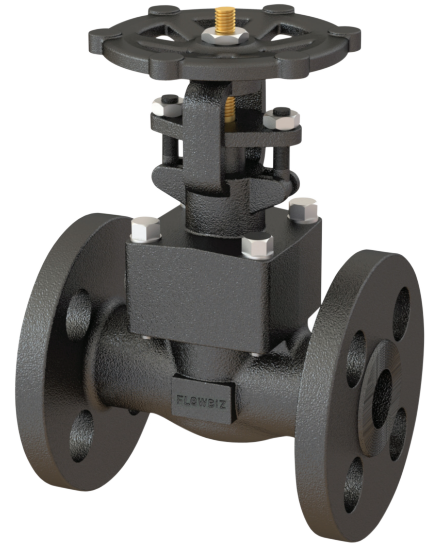
Design Standard : API 602 / BSEN ISO 15761, ASME B16.34

Bolted / Weld Bonnet

Full Bore, Weld On Flanges



Needle Valve



STANDARD MATERIAL COMBINATION

S.No.	PART NAME	Carbon Steel to ASTM		Alloy Steel to ASTM				Stainless Steel to ASTM			
		A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
1	BODY	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
2	SEAT RING	As per Trim Material Combination									
3	WEDGE	As per Trim Material Combination									
4	GASKET	Stainless Steel Spiral Wound Graphoil Filled									
5	BONNET	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
6	STUDS	A193 B7	A320 L7	A193 B7	A193 B7	A193 B16	A193 B16	A193 B8	A193 B8	A193 B8	A193 B8
7	PACKING	To suit service conditions									
8	GLAND	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	F - 304	F - 316	F - 304L	F - 316L
9	GLAND FLANGE	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
10	NUTS	194 2H	A194 Gr.4	A194 2H	A194 Gr.4	A194 Gr.4	A194 Gr.4	A194 Gr.8	A194 Gr.8	A194 Gr.8	A194 Gr.8
11	STEM	As per Trim Material Combination									
12	YOKE SLEEVE	Al. Bronze BS 1400 AB2C or Ni-resist to A439 D2									
13	HAND WHEEL	DI. A536 80-55-06 OR MI/A338									
14	NAME PLATE	ALUMINUM / STEEL									
14	HANDWHEEL RETAINING NUT	CARBON STEEL									

Body Material Combination with ASTM A F304H, F316H, F321, F347 also provided.

Valves can be supplied in other MOC's on request

SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)



FORGED STEEL GLOBE VALVE FLANGE END - ASA 150 CLASS

Technical & Dimensional Data

TRIM MATERIAL COMBINATION (ON REQUEST)					
Trim No.	Seat Ring Face	Wedge Seat Face	Stem	Backseat Bush	Lantern Ring
1	F6a / 13%Cr.	F6a / 13%Cr.	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
2	F304	F304	F304 / AISI 304	F304 / AISI 304	F304 / AISI 304
5	STELLITE	STELLITE	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
8	STELLITE	F6a / 13%Cr.	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
9	MONEL	MONEL	MONEL	MONEL	MONEL
10	F316	F316	F316 / AISI 316	F316 / AISI 316	F316 / AISI 316
12	316+STELLITE	316	F316 / AISI 316	F316 / AISI 316	F316 / AISI 316
13	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20

Note : Other Trim Combination can be provided as Trim Material Combination

• All Dimensions in mm

DIMENSIONAL DATA CLASS-150													
SIZE	L	øb	C	HW	H	D	T	dk	f	K	n	d	Aprox.Wt. in Kgs.
15mm	108	9.5	9.5	82	140	90	8	34.9	2	60.3	4	15.8	5.75
20mm	117	12.7	17.5	90	155	100	8.9	42.9	2	69.9	4	15.8	11.4
25mm	127	17.5	23	96	172	110	9.6	50.8	2	79.4	4	15.8	14.64

Note : The above data is subject to change without notice due to our continuing product improvement program. (WEIGHT GIVEN IN KGS)
*Needle Type Disc also available.

TEST PRESSURES						
CLASS	SHELL TEST (HYDROSTATIC)		SEAT TEST			
			HYDROSTATIC		PNEUMATIC	
150	30 Bar	435 Psi g	22 Bar	319 Psi g	6.9 bar	100 Psi g

Valves can be supplied in other MOC's on request
SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)



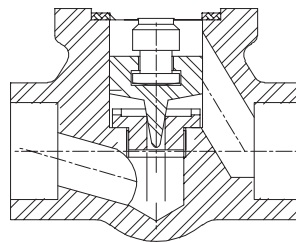
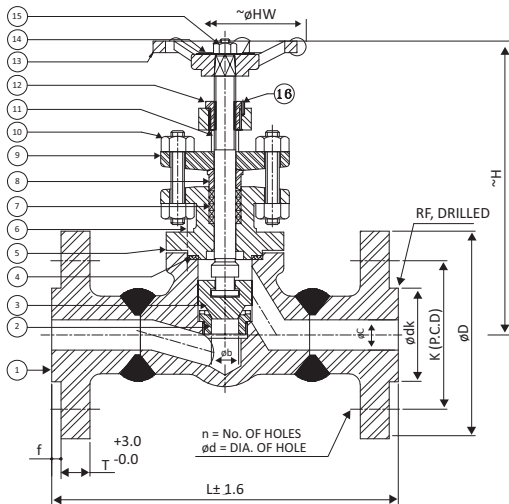
FORGED STEEL GLOBE VALVE FLANGE END - ASA 300 CLASS

Standards & Specifications:

Design Standard : API 602 / BSEN ISO 15761, ASME B16.34

Bolted / Weld Bonnet

Full Bore, Weld On Flanges



Needle Valve



STANDARD MATERIAL COMBINATION

S.No.	PART NAME	Carbon steel to ASTM		Alloy Steel to ASTM				Stainless Steel to ASTM			
		A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
1	BODY	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
2	SEAT RING	As per Trim Material Combination									
3	WEDGE	As per Trim Material Combination									
4	GASKET	Stainless Steel Spiral Wound Graphoil Filled									
5	BONNET	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
6	STUDS	A193 B7	A320 L7	A193 B7	A193 B7	A193 B16	A193 B16	A193 B8	A193 B8	A193 B8	A193 B8
7	PACKING	To suit service conditions									
8	GLAND	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	F - 304	F - 316	F - 304L	F - 316L
9	GLAND FLANGE	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
10	NUTS	194 2H	A194 Gr.4	A194 2H	A194 Gr.4	A194 Gr.4	A194 Gr.4	A194 Gr.8	A194 Gr.8	A194 Gr.8	A194 Gr.8
11	STEM	As per Trim Material Combination									
12	YOKE SLEEVE	Al. Bronze BS 1400 AB2C or Ni-resist to A439 D2									
13	HAND WHEEL	DI. A536 80-55-06 OR MI/A338									
14	NAME PLATE	ALUMINUM / STEEL									
15	HANDWHEEL RETAINING NUT	CARBON STEEL									

Body Material Combination with ASTM A F304H, F316H, F321, F347 also provided.

Valves can be supplied in other MOC's on request

SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)



FORGED STEEL GLOBE VALVE FLANGE END - ASA 300 CLASS

Technical & Dimensional Data

TRIM MATERIAL COMBINATION (ON REQUEST)					
Trim No.	Seat Ring Face	Wedge Seat Face	Stem	Backseat Bush	Lantern Ring
1	F6a / 13%Cr.	F6a / 13%Cr.	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
2	F304	F304	F304 / AISI 304	F304 / AISI 304	F304 / AISI 304
5	STELLITE	STELLITE	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
8	STELLITE	F6a / 13%Cr.	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
9	MONEL	MONEL	MONEL	MONEL	MONEL
10	F316	F316	F316 / AISI 316	F316 / AISI 316	F316 / AISI 316
12	316+STELLITE	316	F316 / AISI 316	F316 / AISI 316	F316 / AISI 316
13	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20

Note : Other Trim Combination can be provided as Trim Material Combination

• All Dimensions in mm

DIMENSIONAL DATA CLASS-300													
SIZE	L	øb	C	HW	H	D	T	dk	f	K	n	D	Aprox.Wt. in Kgs.
15mm	152	12.7	15	90	155	95	12.6	34.9	2	66.7	4	15.8	6.1
20mm	178	17.5	20	96	172	115	14.2	42.9	2	82.6	4	19.1	12.1
25mm	203	23	23	114	210	125	15.9	50.8	2	88.9	4	19.1	16.8
32mm	216	30	30	155	248	135	17.5	63.5	2	98.5	4	19.1	-
40mm	229	35	35	155	270	155	19.1	73	2	114.3	4	22.2	31
50mm	267	38	47.6	155	332	165	20.7	92.1	2	127	8	19.1	36

Note : The above data is subject to change without notice due to our continuing product improvement program. (WEIGHT GIVEN IN KGS)
*Needle Type Disc also available.

TEST PRESSURES						
CLASS	SHELL TEST (HYDROSTATIC)		SEAT TEST			
			HYDROSTATIC		PNEUMATIC	
300	77 Bar	1102 Psi g	57 Bar	780 Psi g	6.9 bar	100 Psi g

Valves can be supplied in other MOC's on request
SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)



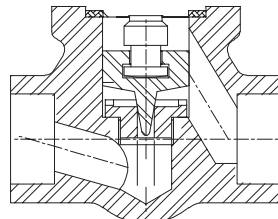
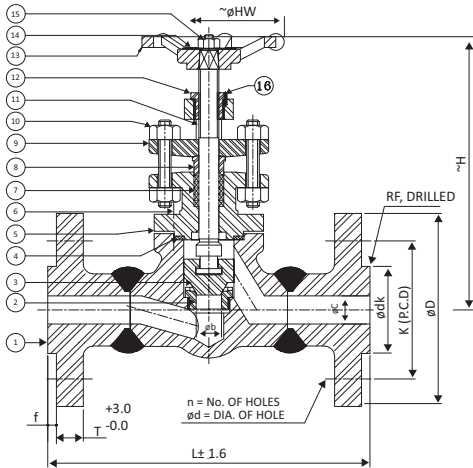
FORGED STEEL GLOBE VALVE FLANGE END - ASA 600 CLASS

Standards & Specifications:

Design Standard : API 602 / BSEN ISO 15761, ASME B16.34

Bolted / Weld Bonnet

Full Bore, Weld On Flanges



Needle Valve



STANDARD MATERIAL COMBINATION

S.No.	PART NAME	Carbon Steel to ASTM		Alloy Steel to ASTM				Stainless Steel to ASTM			
		A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
1	BODY	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
2	SEAT RING	As per Trim Material Combination									
3	WEDGE	As per Trim Material Combination									
4	GASKET	Stainless Steel Spiral Wound Graphoil Filled									
5	BONNET	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
6	STUDS	A193 B7	A320 L7	A193 B7	A193 B7	A193 B16	A193 B16	A193 B8	A193 B8	A193 B8	A193 B8
7	PACKING	To suit service conditions									
8	GLAND	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	F - 304	F - 316	F - 304L	F - 316L
9	GLAND FLANGE	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
10	NUTS	194 2H	A194 Gr.4	A194 2H	A194 Gr.4	A194 Gr.4	A194 Gr.4	A194 Gr.8	A194 Gr.8	A194 Gr.8	A194 Gr.8
11	STEM	As per Trim Material Combination									
12	YOKE SLEEVE	Al. Bronze BS 1400 AB2C or Ni-resist to A439 D2									
13	HAND WHEEL	DI. A536 80-55-06 OR MI/A338									
14	NAME PLATE	ALUMINUM / STEEL									
15	HANDWHEEL RETAINING NUT	CARBON STEEL									

Body Material Combination with ASTM A F304H, F316H, F321, F347 also provided.

Valves can be supplied in other MOC's on request

SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)



FORGED STEEL GLOBE VALVE FLANGE END - ASA 600 CLASS

Technical & Dimensional Data

TRIM MATERIAL COMBINATION (ON REQUEST)					
Trim No.	Seat Ring Face	Wedge Seat Face	Stem	Backseat Bush	Lantern Ring
1	F6a / 13%Cr.	F6a / 13%Cr.	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
2	F304	F304	F304 / AISI 304	F304 / AISI 304	F304 / AISI 304
5	STELLITE	STELLITE	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
8	STELLITE	F6a / 13%Cr.	F6a / AISI 410	F6a / AISI 410	F6a / AISI410
9	MONEL	MONEL	MONEL	MONEL	MONEL
10	F316	F316	F316 / AISI 316	F316 / AISI 316	F316 / AISI 316
12	316+STELLITE	316	F316 / AISI 316	F316 / AISI 316	F316 / AISI 316
13	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20

Note : Other Trim Combination can be provided as Trim Material Combination.

• All Dimensions in mm

DIMENSIONAL DATA CLASS-600													
SIZE	L	b	C	HW	H	D	T	dk	f	K	n	d	Aprox.Wt. in Kgs.
15mm	165	12.7	13	90	155	95	14.3	34.9	7	66.7	4	15.7	6.8
20mm	190	18	20	96	172	115	15.9	42.9	7	82.6	4	19.1	13.3
25mm	216	23	25	114	210	125	17.5	50.8	7	88.9	4	19.1	18.5
32mm	229	30	32	155	235	135	20.7	63.5	7	98.4	4	19.1	-
40mm	241	35	35	155	235	155	22.3	73	7	114.3	4	22.3	34.1
50mm	292	36	46.5	155	270	165	25.4	92	7	127	8	19.1	39.7

Note : The above data is subject to change without notice due to our continuing product improvement program.
*Needle Type Disc also available.

TEST PRESSURES						
CLASS	SHELL TEST (HYDROSTATIC)		SEAT TEST			
			HYDROSTATIC		PNEUMATIC	
600	154 Bar	2175 Psi g	113 Bar	1595 Psi g	6.9 bar	100 Psi g

Valves can be supplied in other MOC's on request
SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)



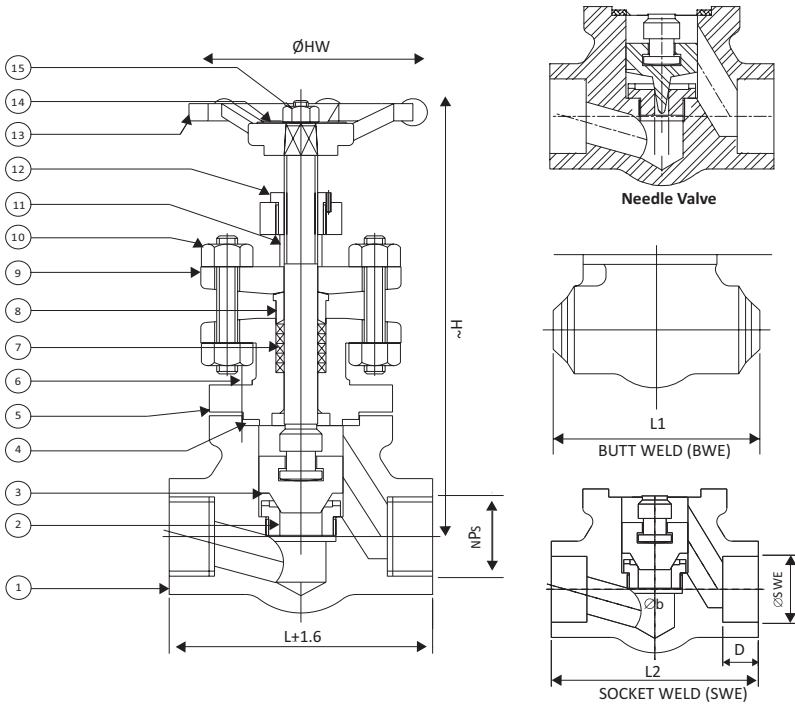
FORGED STEEL GLOBE VALVE - ASA 800 CLASS (REDUCED BORE)

Standards & Specifications:

Design Standard : API 602 / BSEN ISO 15761, ASME B16.34

Bolted / Weld Bonnet

Reduced Bore, Socket Weld / Screwed End



STANDARD MATERIAL COMBINATION

S.No.	PART NAME	Carbon Steel to ASTM		Alloy Steel to ASTM				Stainless Steel to ASTM			
		A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
1	BODY	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
2	SEAT RING	As per Trim Material Combination									
3	WEDGE	As per Trim Material Combination									
4	GASKET	Stainless Steel Spiral Wound Graphoil Filled									
5	BONNET	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
6	STUDS	A193 B7	A320 L7	A193 B7	A193 B7	A193 B16	A193 B16	A193 B8	A193 B8	A193 B8	A193 B8
7	PACKING	To suit service conditions									
8	GLAND	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	F - 304	F - 316	F - 304L	F - 316L
9	GLAND FLANGE	A105	A350LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
10	NUTS	194 2H	A194 Gr.4	A194 2H	A194	A194 Gr.4	A194 Gr.4	A194 Gr.8	A194 Gr.8	A194 Gr.8	A194 Gr.8
11	STEM	As per Trim Material Combination									
12	YOKE SLEEVE	Al. Bronze BS 1400 AB2C or Ni-resist to A439 D2									
13	HAND WHEEL	DI. A536 80-55-06 OR MI IS 2108 BM290									
14	WASHER	CARBON STEEL (ANY GRADE)									
15	HANDWHEEL RETAINING NUT	CARBON STEEL									

Body Material Combination with ASTM A F304H, F316H, F321, F347 also provided.

Valves can be supplied in other MOC's on request

SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)



FORGED STEEL GLOBE VALVE - ASA 800 CLASS (REDUCED BORE)

Technical & Dimensional Data

TRIM MATERIAL COMBINATION (ON REQUEST)					
Trim No.	Seat Ring Face	Wedge Seat Face	Stem	Backseat Bush	Lantern Ring
1	F6a / 13%Cr.	F6a / 13%Cr.	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
2	F304	F304	F304 / AISI 304	F304 / AISI 304	F304 / AISI 304
5	STELLITE	STELLITE	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
8	STELLITE	F6a / 13%Cr.	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
9	MONEL	MONEL	MONEL	MONEL	MONEL
10	F316	F316	F316 / AISI 316	F316 / AISI 316	F316 / AISI 316
12	316+STELLITE	316	F316 / AISI 316	F316 / AISI 316	F316 / AISI 316w
13	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20

Note : Other Trim Combination can be provided as Trim Material Combination

• All Dimensions in mm

DIMENSIONAL DATA CLASS - 800 (REDUCED BORE)										
DN	NPS	øb	L1(BWE)	L2(SWE)	H	øHW	ø SWE		D	Approx. Wt.Å
							BS 3799	ASME B16.11		
15	½"	10	88	88	140	82	+0.3 21.8 -0.0	22.2 21.8	11	1.64
20	¾"	12.7	90	90	155	90	+0.3 27.4 -0.0	27.6 27.2	14	2.050
25	1	18	96	96	175	96	+0.3 34.1 -0.0	34.3 33.9	14	3.2
40	1 ½"	23	155	155	240	155	+0.3 49 -0.0	49.2 48.8	14	7.5
50	2	35	170	170	270	155	+0.3 61 -0.0	61.7 61.2	17	11.5

Note : The above data is subject to change without notice due to our continuing product improvement program. (WEIGHT GIVEN IN KGS)

TEST PRESSURES						
CLASS	SHELL TEST (HYDROSTATIC)		SEAT TEST			
			HYDROSTATIC		PNEUMATIC	
800	207 Bar	3003 Psi g	152 Bar	2205 Psig g	6.9 bar	100 Psi g

Valves can be supplied in other MOC's on request
SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)



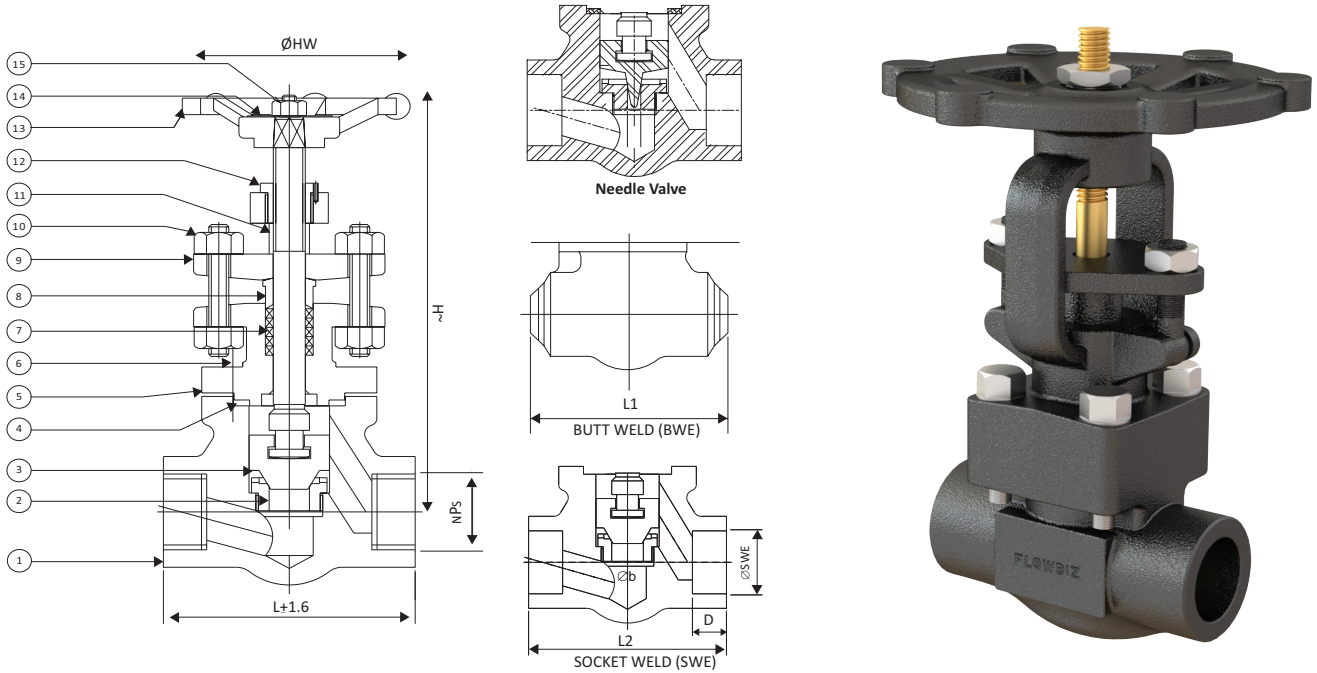
FORGED STEEL GLOBE VALVE - ASA 800 CLASS (FULL BORE)

Standards & Specifications:

Design Standard : API 602 / BSEN ISO 15761, ASME B16.34

Bolted / Weld Bonnet

Full Bore, Socket Weld / Screwed End



STANDARD MATERIAL COMBINATION

S.No.	PART NAME	Carbon steel to ASTM		Alloy Steel to ASTM				Stainless Steel to ASTM			
		A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
1	BODY	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
2	SEAT RING	As per Trim Material Combination									
3	WEDGE	As per Trim Material Combination									
4	GASKET	Stainless Steel Spiral Wound Graphoil Filled									
5	BONNET	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
6	STUDS	A193 B7	A320 L7	A193 B7	A193 B7	A193 B16	A193 B16	A193 B8	A193 B8	A193 B8	A193 B8
7	PACKING	To suit service conditions									
8	GLAND	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	F - 304	F - 316	F - 304L	F - 316L
9	GLAND FLANGE	A105	A350 LF2	A182 F5	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L
10	NUTS	194 2H	A194 Gr.4	A194 2H	A194 2H	A194 Gr.4	A194 Gr.4	A194 Gr.8	A194 Gr.8	A194 Gr.8	A194 Gr.8
11	STEM	As per Trim Material Combination									
12	YOKE SLEEVE	Al. Bronze BS 1400 AB2C or Ni-resist to A439 D2									
13	HAND WHEEL	DI. A536 80-55-06 OR MI IS 2108 BM290									
14	Washer	CARBON STEEL (ANY GRADE)									
15	HANDWHEEL RETAINING NUT	CARBON STEEL									

Body Material Combination with ASTM A304H, F316H, F321, F347 also provided.

Valves can be supplied in other MOC's on request

SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)



FORGED STEEL GLOBE VALVES BSEN ISO 15761, ASME B16.34, API 602

Technical & Dimensional Data

TRIM MATERIAL COMBINATION (ON REQUEST)					
Trim No.	Seat Ring Face	Wedge Seat Face	Stem	Backseat Bush	Lantern Ring
1	F6a / 13%Cr.	F6a / 13%Cr.	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
2	F304	F304	F304 / AISI 304	F304 / AISI 304	F304 / AISI 304
5	STELLITE	STELLITE	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
8	STELLITE	F6a / 13%Cr.	F6a / AISI 410	F6a / AISI 410	F6a / AISI 410
9	MONEL	MONEL	MONEL	MONEL	MONEL
10	F316	F316	F316 / AISI 316	F316 / AISI 316	F316 / AISI 316
12	316+STELLITE	316	F316 / AISI 316	F316 / AISI 316	F316 / AISI 316
13	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20

Note : Other Trim Combination can be provided as Trim Material Combination

• All Dimensions in mm

DIMENSIONAL DATA CLASS - 800 (FULL BORE)										
DN	NPS	øb	L1(BWE)	L2(SWE)	H	øHW	ø SWE		D	Approx. Wt.Å
							BS 3799	ASME B16.11		
15	½"	12.7	88	88	155	90	+0.3 21.8 -0.0	22.2 21.8	11	2.050
20	¾"	18	100	100	175	96	+0.3 27.4 -0.0	27.6 27.2	14	3.2
25	1	23	124	124	198	114	+0.3 34.1 -0.0	34.3 33.9	14	7.5
40	1 ½"	35	170	170	270	155	+0.3 49 -0.0	49.2 48.8	14	11.5

Note : The above data is subject to change without notice due to our continuing product improvement program. (WEIGHT GIVEN IN KGS)

TEST PRESSURES						
CLASS	SHELL TEST (HYDROSTATIC)		SEAT TEST			
			HYDROSTATIC		PNEUMATIC	
800	207 Bar	3003 Psi g	152 Bar	2205 Psig g	6.9 bar	100 Psi g

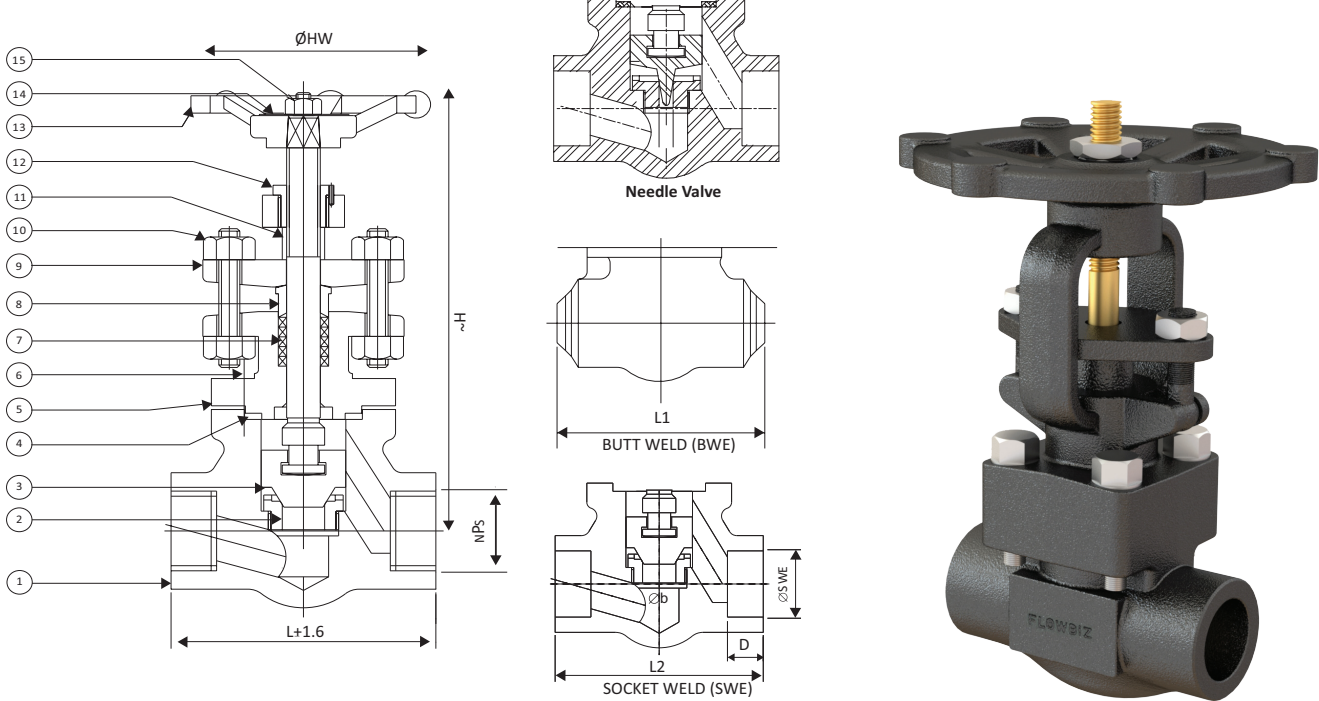
Valves can be supplied in other MOC's on request :
SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)



FORGED STEEL GLOBE VALVE - ASA 1500 CLASS

Standards & Specifications:

Design Standard : API 602 / BSEN ISO 15761, ASME B16.34
 Bolted / Weld Bonnet



STANDARD MATERIAL COMBINATION											
S.No.	PART NAME	Carbon steel to ASTM		Alloy Steel to ASTM				Stainless Steel to ASTM			
1	BODY	A105	A350LF2	A182F5	A182F11	A182F22	A182F9	A182F304	A182F316	A182F304L	A182F316L
2	SEAT RING	As per Trim Material Combination									
3	WEDGE	As per Trim Material Combination									
4	GASKET	Stainless Steel Spiral Wound Graphoil Filled									
5	BONNET	A105	A350 LF2	A182F5	A182F11	A182F22	A182F9	A182F304	A182F316	A182F304L	A182F316L
6	STUDS	A193 B7	A320 L7	A193 B7	A193 B7	A193 B16	A193 B16	A193 B8	A193 B8	A193 B8	A193 B8
7	PACKING	To suit service conditions									
8	GLAND	A182 F6a	A182F6a	A182F6a	A182F6a	A182F6a	A182F6a	F - 304	F - 316	F - 304L	F - 316L
9	GLAND FLANGE	A105	A350LF2	A182 F5	A182 F11	A182F22	A182F9	A182F304	A182F316	A182F304L	A182F316L
10	NUTS	194 2H	A194 Gr.4	A194 2H	A194 Gr.4	A194Gr.4	A194Gr.4	A194 Gr.8	A194 Gr.8	A194 Gr.8	A194 Gr.8
11	STEM	As per Trim Material Combination									
12	YOKE SLEEVE	Al. Bronze BS 1400 AB2C or Ni-resist to A439 D2									
13	HAND WHEEL	DI. A536 80-55-06 OR MI IS 2108 BM290									
14	WASHER	CARBON STEEL (ANY GRADE)									
15	HANDWHEEL RETAINING NUT	CARBON STEEL									

Body Material Combination with ASTM F304H, F316H, F321, F347 also provided.

Valves can be supplied in other MOC's on request :
 SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)



FORGED STEEL GLOBE VALVE - ASA 1500 CLASS

Technical & Dimensional Data

TRIM MATERIAL COMBINATION (ON REQUEST)					
Trim No.	Seat Ring Face	Wedge Seat Face	Stem	Backseat Bush	Lantern Ring
1	F6a/13%Cr.	F6a/13%Cr.	F6a/AISI410	F6a/AISI410	F6a/AISI410
2	F304	F304	F304/AISI304	F304/AISI304	F304/AISI304
5	STELLITE	STELLITE	F6a/AISI410	F6a/AISI410	F6a/AISI410
8	STELLITE	F6a/13%Cr.	F6a/AISI410	F6a/AISI410	F6a/AISI410
9	MONEL	MONEL	MONEL	MONEL	MONEL
10	F316	F316	F316/AISI 316	F316/AISI 316	F316/AISI 316
12	316+STELLITE	316	F316/AISI 316	F316/AISI 316	F316/AISI 316
13	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20

Note : Other Trim Combination can be provided as Trim Material Combination

• All Dimensions in mm

DIMENSIONAL DATA CLASS - 1500										
DN	NPS	øb	L1(BWE)	L2(SWE)	H	øHW	ø SWE		D	Aprox. Wt.Å in Kgs
							BS 3799	ASME B16.11		
15	½	12	100	100	172	96	+0.3 21.8 -0.0	22.2 21.8	11	3.240
20	¾	16	124	124	210	114	+0.3 27.4 -0.0	27.6 27.2	14	5.190
25	1	19	145	145	235	155	+0.3 34.1 -0.0	34.3 33.9	14	8.1
32	1¼	28	170	170	270	155	+0.3 42.9 -0.0	43.1 42.7	14	12.6
40	1½	32	170	170	278	155	+0.3 49 -0.0	49.7 48.8	14	12.6

Note : The above data is subject to change without notice due to our continuing product improvement program.

TEST PRESSURES					
CLASS	SHELL TEST (HYDROSTATIC)		SEAT TEST		
			HYDROSTATIC		PNEUMATIC
1500	384 Bar	5568 Psi g	282 Bar	4075 Psi g	6.9 bar 100 Psi g

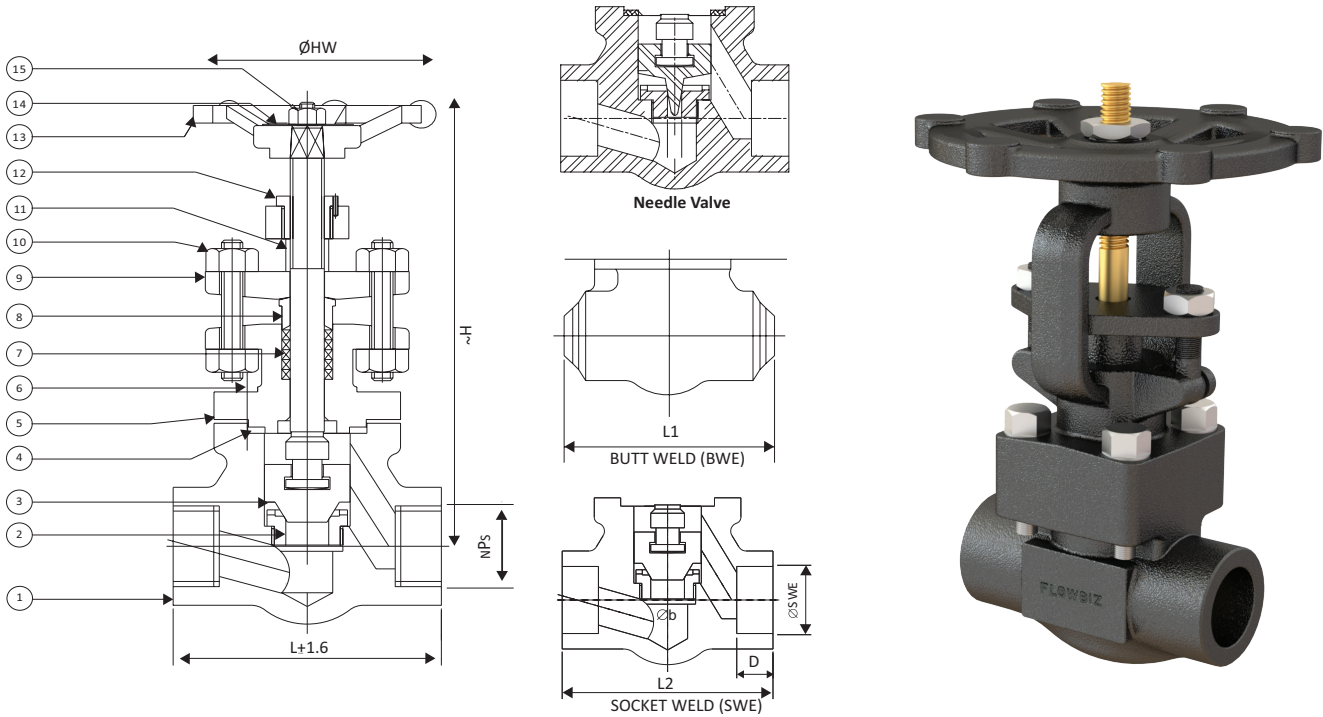
Valves can be supplied in other MOC's on request :
SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)



FORGED STEEL GLOBE VALVE - ASA 2500 CLASS

Standards & Specifications:

Design Standard : API 602 / BSEN ISO 15761, ASME B16.34
Bolted / Weld Bonnet



STANDARD MATERIAL COMBINATION

S.No.	PART NAME	Carbon steel to ASTM		Alloy Steel to ASTM				Stainless Steel to ASTM			
		A105	A350LF2	A182F5	A182F11	A182F22	A182F9	A182F304	A182F316	A182F304L	A182F316L
1	BODY	A105	A350LF2	A182F5	A182F11	A182F22	A182F9	A182F304	A182F316	A182F304L	A182F316L
2	SEAT RING	As per Trim Material Combination									
3	WEDGE	As per Trim Material Combination									
4	GASKET	Stainless Steel Spiral Wound Graphoil Filled									
5	BONNET	A105	A350 LF2	A182F5	A182F11	A182F22	A182F9	A182F304	A182F316	A182F304L	A182F316L
6	STUDS	A193 B7	A320 L7	A193 B7	A193 B7	A193 B16	A193 B16	A193 B8	A193 B8	A193 B8	A193 B8
7	PACKING	To suit service conditions									
8	GLAND	A182 F6a	A182F6a	A182F6a	A182F6a	A182F6a	A182F6a	F - 304	F - 316	F - 304L	F - 316L
9	GLAND FLANGE	A105	A350LF2	A182 F5	A182 F11	A182F22	A182F9	A182F304	A182F316	A182F304L	A182F316L
10	NUTS	194 2H	A194 Gr.4	A194 2H	A194 Gr.4	A194Gr.4	A194Gr.4	A194 Gr.8	A194 Gr.8	A194 Gr.8	A194 Gr.8
11	STEM	As per Trim Material Combination									
12	YOKE SLEEVE	Al. Bronze BS 1400 AB2C or Ni-resist to A439 D2									
13	HAND WHEEL	DI. A536 80-55-06 OR MI IS 2108 BM290									
14	WASHER	CARBON STEEL (ANY GRADE)									
15	HANDWHEEL RETAINING NUT	CARBON STEEL									

Body Material Combination with ASTM A F304H, F316H, F321, F347 also provided.

Valves can be supplied in other MOC's on request :

SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)



FORGED STEEL GLOBE VALVE - ASA 2500 CLASS

Technical & Dimensional Data

TRIM MATERIAL COMBINATION (ON REQUEST)					
Trim No.	Seat Ring Face	Wedge Seat Face	Stem	Backseat Bush	Lantern Ring
1	F6a/13%Cr.	F6a/13%Cr.	F6a/AISI410	F6a/AISI410	F6a/AISI410
2	F304	F304	F304/AISI304	F304/AISI304	F304/AISI304
5	STELLITE	STELLITE	F6a/AISI410	F6a/AISI410	F6a/AISI410
8	STELLITE	F6a/13%Cr.	F6a/AISI410	F6a/AISI410	F6a/AISI410
9	MONEL	MONEL	MONEL	MONEL	MONEL
10	F316	F316	F316/AISI 316	F316/AISI 316	F316/AISI 316
12	316+STELLITE	316	F316/AISI 316	F316/AISI 316	F316/AISI 316
13	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20

Note : Other Trim Combination can be provided as Trim Material Combination

• All Dimensions in mm

DIMENSIONAL DATA CLASS - 2500										
DN	NPS	øb	L1(BWE)	L2(SWE)	H	øHW	ø SWE		D	Aprox. Wt.Â in Kgs
							BS 3799	ASME B16.11		
15	½	11	130	130	320	175	+0.3 21.8 -0.0	22.2 21.8	11	9.295
20	¾	14	130	130	320	200	+0.3 27.4 -0.0	27.6 27.2	14	10.61
25	1	19	130	130	320	200	+0.3 34.1 -0.0	34.3 33.9	14	11.395

Note : The above data is subject to change without notice due to our continuing product improvement program.

TEST PRESSURES						
CLASS	SHELL TEST (HYDROSTATIC)		SEAT TEST			
			HYDROSTATIC		PNEUMATIC	
2500	639 Bar	9372 Psi g	469 Bar	6785 Psi g	6.9 bar	100 Psi g

Valves can be supplied in other MOC's on request :
SS (ASTM A 182 Gr.F304H/ F321) , DSS (ASTM A 182 Gr.F50 /F51/ F53/F55)

