



FORGED VALVES

FEATURES

- ▶ Sap Forged Steel Valves have been designed to meet the requirements of API 602 / BS 5352 / ASME B 16.34
- ▶ Socket weld ends dimensions conforms to ASME B 16.11
- ▶ Screwed ends dimensions conforms to ASME B 1.20.1
- ▶ Outside screw and yoke construction
- ▶ The gland is of two piece self aligning type
- ▶ Back seat arrangement for Gate and Globe Valves.
- ▶ Valves meet the requirements of fugitive emission level Shell Category B as per MESG SPE 77/312



OPTIONS

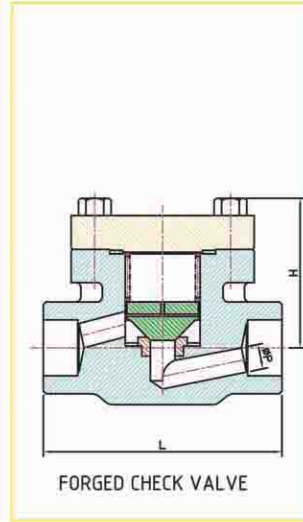
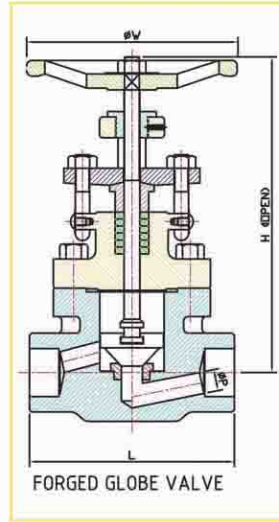
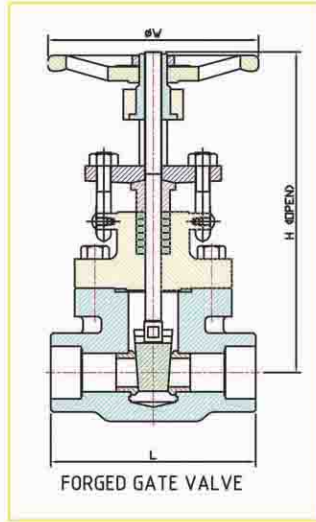
- ▶ For low temperature and cryogenic services (cold box and non cold box) extended bonnet as per
- ▶ BS 6364 available
- ▶ Welded bonnet construction
- ▶ Locking arrangement
- ▶ Welded on flanges
- ▶ Bellow Seal for critical service and hazardous area

MATERIALS

Part Name	Material Option
Body	ASTM A 105 / 182 F304 / 182 F304L / 182 F316 / 182 F316L / 182 F11 / 182 F22 / 350 LF2
Bonnet	ASTM A 105 / 182 F304 / 182 F304L / 182 F316 / 182 F316L / 182 F11 / 182 F22 / 350 LF2
Wedge / Plug@	ASTM A 182 F6a / 182 F304/182 F304L / 182 F316 / 182 F316L / 182 F11 / 182 F22 / 350 LF2
Stem	ASTM A 276 T410 / 182 F304 / 182 F304L / 182 F316 / 182 F316L / 182 F11 / 182 F22 / 350 LF2
Seat Rings@	ASTM A 182 F6a / 182 F304 / 182 F304L / 182 F316 / 182 F316L / 182 F11 / 182 F22 / 350 LF2
Back Seat	Bushing Integral
Gland	ASTM A 276 T410 / 182 F304 / 182 F304L / 182 F316 / 182 F316L / 182 F11 / 182 F22 / 350 LF2
Gland Flange	ASTM A 105 / 182 F304 / 182 F304L / 182 F316 / 182 F316L / 182 F11 / 182 F22 / 350 LF2
Stem Nut	ASTM A 439 Gr.D2/AL.Bronze
Lock Nut	Carbon Steel / SS 304
Gland Packing	Graphited Asbestos / Grafoil / PTFE
Bonnet Gasket	Spiral Wound SS 304 / 304L / 316 / 316L with Asbestos / Teflon or Grafoil
Gland Eye Bolt & Nut	SS 410/SS 304
Hand Wheel	Carbon Steel
Hand Wheel Nut	Carbon Steel
Studs / Bolts	ASTM A 193 B7 / A 193 B7M / A 193 B8 / A 193 B8M / A 320 L7
Nut	ASTM A 194 2H / A 194 2HM / A 194 8 / A 194 8M / A 194 4/7



FORGED VALVES



Gate Valve 800 Class

Size DN	6	10	15	20	25	32	40	50
L	85	85	85	92	105	125	125	135
P	6.4	6.4	9.5	12.7	17.5	22.8	22.6	36.5
H(approx)	165	165	165	175	195	265	265	275
ØW	85	85	85	85	150	150	150	150
Wt. (approx) kg	2	2	2	3	3	8	8	10

Gate Valve 1500 Class

Size DN	6	10	15	20	25	32	40
L	92	92	92	105	125	125	135
P	6.4	6.4	9.5	12.7	15.9	19	27
H(approx)	175	175	175	195	265	275	275
ØW	90	90	90	100	150	150	150
Wt. (approx) kg	3	3	3	4	8	10	10

Globe Valve 800 Class

Size DN	6	10	15	20	25	32	40	50
L -SP	85	85	92	105	125	125	125	-
L -RP	85	85	85	92	105	125	125	135
P -SP	6	9	12	17.5	22.5	29.5	35	-
P -RP	6	6	9	12	17.5	22.5	29.5	35
H -SP	175	175	175	190	250	250	285	-
H -RP	170	170	170	175	190	250	250	285
W -SP	90	90	90	100	150	150	150	-
W -RP	85	85	85	85	100	100	150	150
Wt.-SP(approx)kg	3	3	3	4	8	8	11	11
Wt.-RP(approx)kg	2	2	2	3	4	8	8	11

Globe Valve 1500 Class

Size DN	6	10	15	20	25	32	40
L	92	92	92	105	125	125	135
P	6	6	11	14.5	19	27	31
H(approx)	175	175	175	190	250	250	255
ØW	90	90	90	100	150	150	150
Wt. (approx) kg	3	3	3	4	8	8	11

Lift Check Valve 800 Class

Size DN	6	10	15	20	25	32	40	50
L -SP	85	85	92	105	125	125	135	-
L -RP	85	85	85	92	105	125	125	135
P -SP	6	9	12	17.5	22.5	29.5	35	-
P -RP	6	6	9	12	17.5	22.5	29.5	35
H -SP	55	55	55	70	105	105	115	-
H -RP	55	55	55	65	70	105	105	115
Wt.-SP(approx)kg	2	2	2	4	6	6	9	-
Wt.-RP(approx)kg	2	2	2	3	4	6	6	8

Lift Check Valve 1500 Class

Size DN	6	10	15	20	25	32	40
L -SP	92	92	92	105	125	130	135
P -SP	6	6	11	14.5	18	27	31
H -SP	65	65	65	70	105	115	115
Wt. (approx) kg	4	4	4	4	7	10	10

