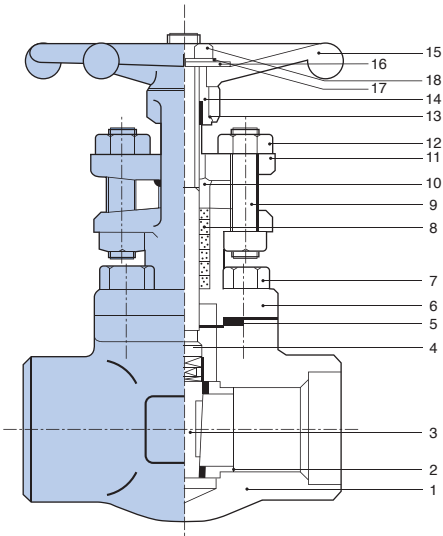


# FORGED STEEL GATE VALVE



## PART NAME

1. BODY
2. SEAT RING
3. WEDGE
4. STEM
5. GASKET
6. BONNET
7. BONNET BOLT
8. GLAND PACKING
9. GLAND BOLT
10. GLAND
11. GLAND FLANGR
12. GLAND NUT
13. THRUST WASHER
14. YOKE SLEEVE
15. HANDWHEEL
16. NAME PLATE
17. HANDWHEEL WASHER
18. HANDWHEEL NUT

## RATING [ASME/ANSI B 16.34]

- CARBON STEEL : TABLE 2-11
- ALLOY STEEL : TABLE 2-15—2-1.14
- STAINLESS STEEL : TABLE 2-2.1—2-2.5

## END CONNECTIONS

- SOCKET WELD : ASME/ANSI B 16.11
- THREAD (NPT, PT) : ASME/ANSI B 1.20.1
- BUTT WELD : ASME/ANSI B 16.25

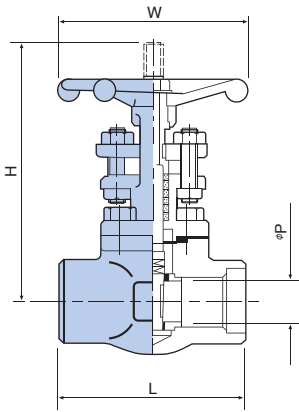
## STANDARDS

- CONSTRUCTION : API 602  
ASME/ANSI B 16.34

## INSPECTION AND TEST

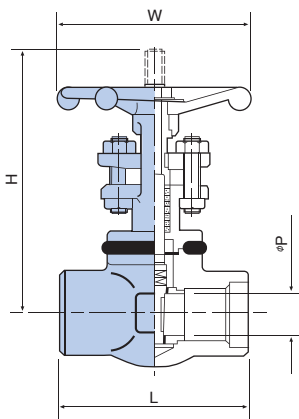
- : API 598  
ASME/ANSI B 16.34

## OUTSIDE SCREW & YOKE / SW, PT(NPT), BW, CLASS 800 / 1500 STANDARD BORE



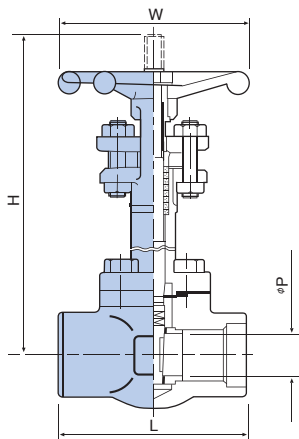
### BOLTED BONNET

CL	VALVE SIZE	1/4		3/8		1/2		3/4		1		1-1/4		1-1/2		2	
800	L (mm/in)	76	3	76	3	76	3	92	3.62	104	4.09	115	4.53	115	4.53	146	5.74
	W (mm/in)	84	3.3	84	3.3	84	3.3	97	3.82	97	3.82	137	5.39	137	5.39	157	6.18
	H (mm/in)	138	5.43	138	5.43	138	5.43	147	5.79	174	6.85	217	8.54	217	8.54	261	10.28
	P (mm/in)	6.4	0.25	9.6	0.38	9.6	0.38	12.7	0.5	18	0.71	28.6	1.13	28.6	1.13	37.5	1.48
	Wt (kg/lb)	1.5	3.31	1.5	3.31	1.5	3.31	2.1	4.63	2.8	6.17	5	11	4.8	10.56	8.2	18.08
	Typical Cv Factor	2.6		6		6		11.3		26.3		52.4		78		115	
Fig No.	B8*1R																
1500	L (mm/in)	92	3.62	92	3.62	92	3.62	104	4.09	115	4.53	146	5.74	146	5.74	146	8.27
	W (mm/in)	97	3.82	97	3.82	97	3.82	97	3.82	137	5.39	157	6.18	157	6.18	157	6.18
	H (mm/in)	147	5.79	147	5.79	147	5.79	156	6.14	207	8.15	246	9.69	246	9.69	261	11.93
	P (mm/in)	6.4	0.25	9.6	0.38	9.6	0.38	12.7	0.5	18	0.71	28.6	1.13	28.6	1.13	37.5	1.48
	Wt (kg/lb)	2	4.41	1.9	4.19	1.9	4.19	2.7	5.94	4.9	10.8	8.1	17.82	8	17.63	8.2	25.96
	Typical Cv Factor	2.6		6		6		11.3		26.3		52.4		78		115	
Fig No.	B15*1R																



### WELDED BONNET

CL	VALVE SIZE	1/4		3/8		1/2		3/4		1		1-1/4		1-1/2		2	
800	L (mm/in)	76	3	76	3	76	3	92	3.62	104	4.09	115	4.53	115	4.53	146	5.74
	W (mm/in)	84	3.3	84	3.3	84	3.3	97	3.82	97	3.82	137	5.39	137	5.39	157	6.18
	H (mm/in)	138	5.43	138	5.43	138	5.43	147	5.79	174	6.85	217	8.54	217	8.54	261	10.28
	P (mm/in)	6.4	0.25	9.6	0.38	9.6	0.38	12.7	0.5	18	0.71	28.6	1.13	28.6	1.13	37.5	1.48
	Wt (kg/lb)	1.3	2.87	1.3	2.87	1.3	2.87	1.9	4.19	2.7	5.95	4.8	10.56	4.7	10.36	8	17.64
	Typical Cv Factor	2.6		6		6		11.3		26.3		52.4		78		115	
Fig No.	W8*1R																
1500	L (mm/in)	92	3.62	92	3.62	92	3.62	104	4.09	115	4.53	146	5.74	146	5.74	210	8.27
	W (mm/in)	97	3.82	97	3.82	97	3.82	97	3.82	137	5.39	157	6.18	157	6.18	157	6.18
	H (mm/in)	147	5.79	147	5.79	147	5.79	156	6.14	207	8.15	246	9.69	246	9.69	303	11.93
	P (mm/in)	6.4	0.25	9.6	0.38	9.6	0.38	12.7	0.5	18	0.71	28.6	1.13	28.6	1.13	37.5	1.48
	Wt (kg/lb)	2	4.41	1.9	4.19	1.9	4.19	2.7	5.94	4.9	10.8	8.1	17.82	8	17.63	11.8	25.96
	Typical Cv Factor	2.6		6		6		11.3		26.3		52.4		78		115	
Fig No.	W15*1R																



### EXTENDED BONNET

CL	VALVE SIZE	1/4		3/8		1/2		3/4		1		1-1/4		1-1/2		2	
800	L (mm/in)	76	3	76	3	76	3	92	3.62	104	4.09	115	4.53	115	4.53	146	5.74
	W (mm/in)	84	3.3	84	3.3	84	3.3	97	3.82	97	3.82	137	5.39	137	5.39	157	6.18
	H (mm/in)	313	12.3	313	12.3	313	12.3	321	12.6	367	14.5	416	16.4	416	16.4	551	21.7
	P (mm/in)	6.4	0.25	9.6	0.38	9.6	0.38	12.7	0.5	18	0.71	28.6	1.13	28.6	1.13	37.5	1.48
	Wt (kg/lb)	2.3	5.07	2.2	4.85	2.2	4.85	2.6	5.73	3.8	8.38	6.4	14.1	6.3	13.89	10.1	22.27
	Typical Cv Factor	2.6		6		6		11.3		26.3		52.4		78		115	
Fig No.	E8*1R																
1500	L (mm/in)	92	3.62	92	3.62	92	3.62	104	4.09	115	4.53	146	5.74	146	5.74	210	8.27
	W (mm/in)	97	3.82	97	3.82	97	3.82	97	3.82	137	5.39	157	6.18	157	6.18	157	6.18
	H (mm/in)	321	12.6	321	12.6	321	12.6	367	14.5	416	16.4	600	23.6	600	23.6	651	25.63
	P (mm/in)	6.4	0.25	9.6	0.38	9.6	0.38	12.7	0.5	18	0.71	28.6	1.13	28.6	1.13	37.5	1.48
	Wt (kg/lb)	2.7	5.85	2.7	5.85	2.6	5.73	3.8	8.38	6.5	14.33	10.3	22.71	10.2	22.49	11.5	25.35
	Typical Cv Factor	2.6		6		6		11.3		26.3		52.4		78		115	
Fig No.	E15*1R																

BALL VALVE

GATE VALVE

GLOBE VALVE

CHECK VALVE

OTHER VALVE

TECHNICAL DATA