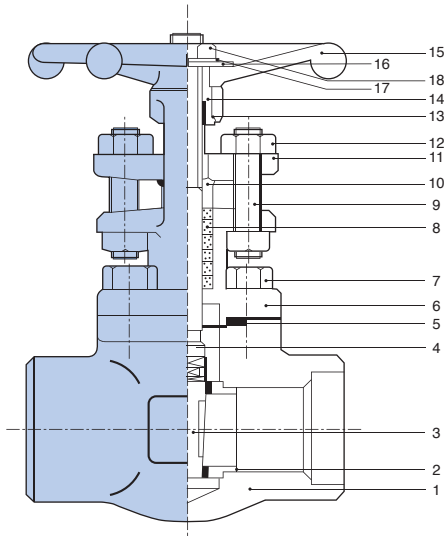


FORGED STEEL GATE VALVE

014



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