



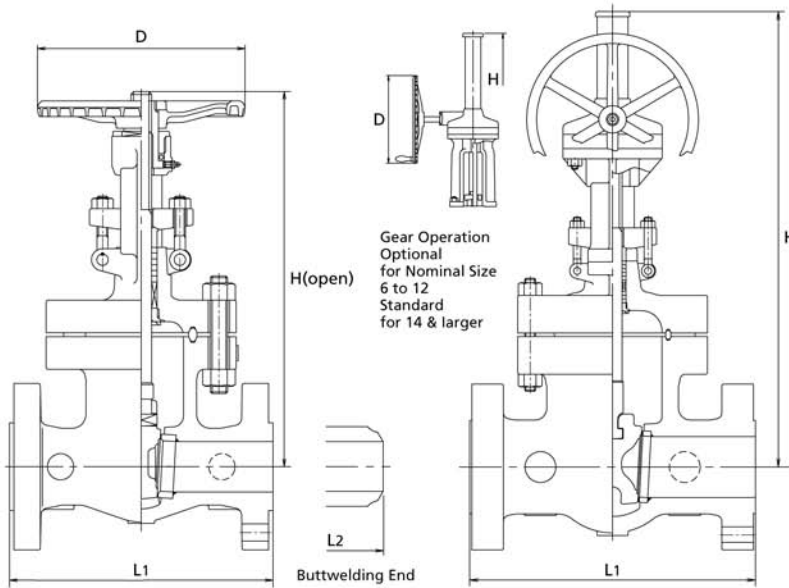
KITZ Corporation Of America  
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Cast Carbon Steel Gate Valve  
Design - API 600, OS&Y, BB, Flex Wedge, RFF per B16.5, BW per B16.25,  
LEV - 100 PPM max., Body Materials - ASTM A216, A217, A352

# Class 900

# Cast Carbon Steel Gate Valve

Bolted bonnet, Outside screw-and-yoke, Rising stem, Non-rising handwheel,  
Solid wedge (Nominal Size 2 to 4) or Flexible wedge (Nominal Size 6 & larger).



900SCLS

G-900SCLS

Fig	End Connections
900SCLS	RF-flanged ends.
W900SCLS	Butt-welding ends.

### Standard materials of parts

Parts	Materials
Body	ASTM A216 Gr.WCB
Bonnet	ASTM A216 Gr.WCB
Stem	ASTM A182 Gr.F6a
Disc	13Cr/Carbon Steel+13Cr
Body seat ring	Carbon Steel+HF*
Gland	ASTM A182 Gr.F6a
Gland packing	Flexible Graphite
Gland flange	ASTM A105/A216 Gr. WCB
Handwheel	Ductile iron
Gasket	See Page 6
Bonnet bolt/nut	ASTM A193 Gr.B7/A194 Gr.2H
Gland bolt/nut	ASTM A576 Gr.1045/A194 Gr.2H
Bonnet bushing	ASTM A182 Gr.F6a
Yoke sleeve	ASTM A439 Tp.D2
Grease nipple	Carbon steel

\*Hard facing with Co-Cr-W Alloy.  
Note: Refer to Page 3&6 for standard seat material and construction.

### Dimensions

Nominal Size	Nominal Size												
	2	3	4	6	8	10	12	14	16	18	20	24	
	50	80	100	150	200	250	300	350	400	450	500	600	
L1	in	14.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50	48.00	52.00	61.00
	mm	368	381	457	610	737	838	965	1029	1130	1219	1321	1549
L2	in	14.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50	48.00	52.00	61.00
	mm	368	381	457	610	737	838	965	1029	1130	1219	1321	1549
H	in	20.5	24.4	27.5	35.5	42.8	50.6	59.0	62.2	69.5	85.8	94.5	105.5
	mm	521	620	698	901	1087	1286	1498	1581	1766	2180	2400	2680
D	in	9.8	11.8	13.8	19.7	23.6	26.8	29.9	23.6	23.6	24.0	24.0	
	mm	250	300	350	500	600	680	760	600	600	610	610	