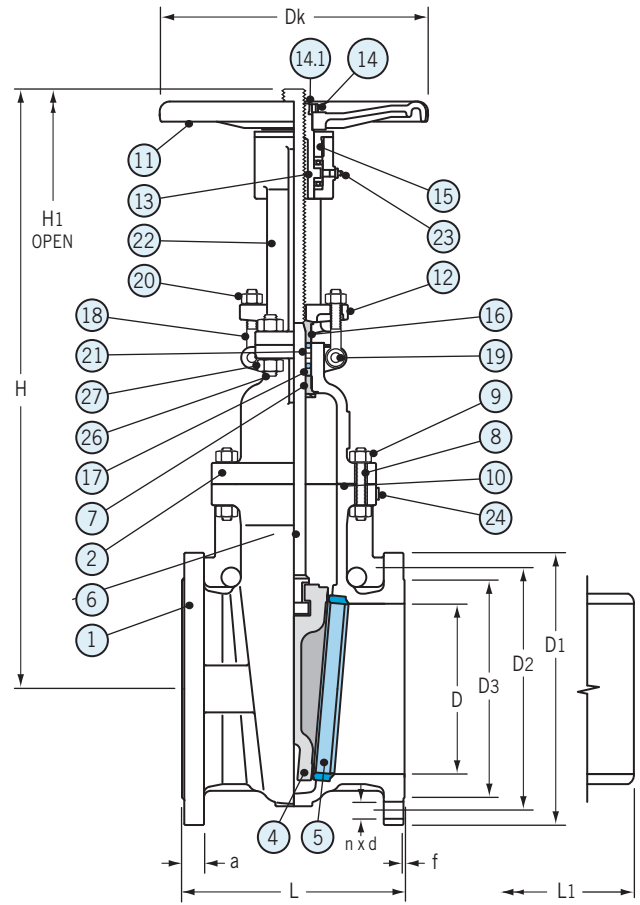


WCB, LCC: NPS 2"-8"
 Chrome Alloy: NPS 2"-12"



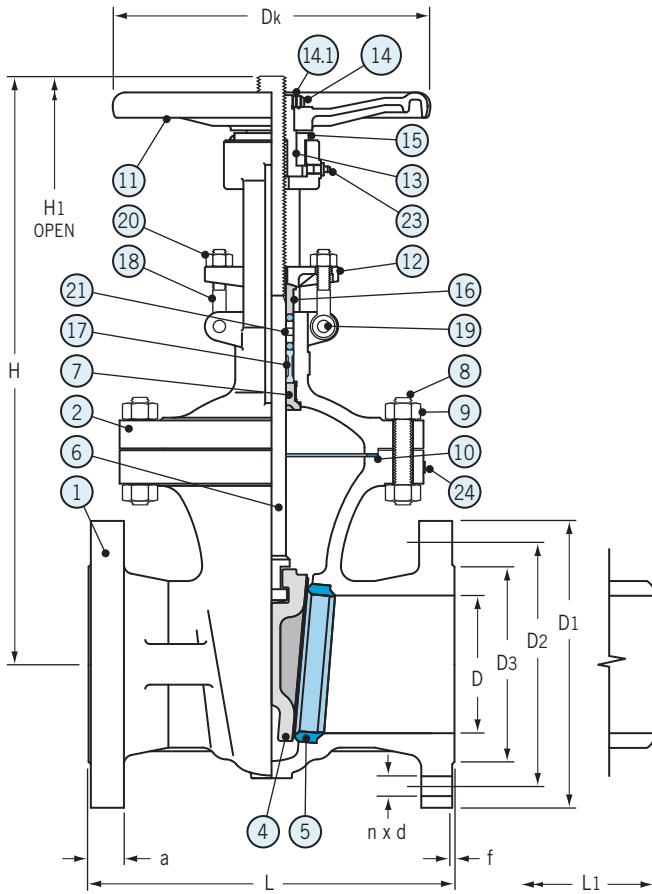
WCB, LCC: NPS 10" & Larger
 Chrome Alloy: NPS 14" & Larger

Dimensional Data (in.) & Flow Coefficient (C_v)

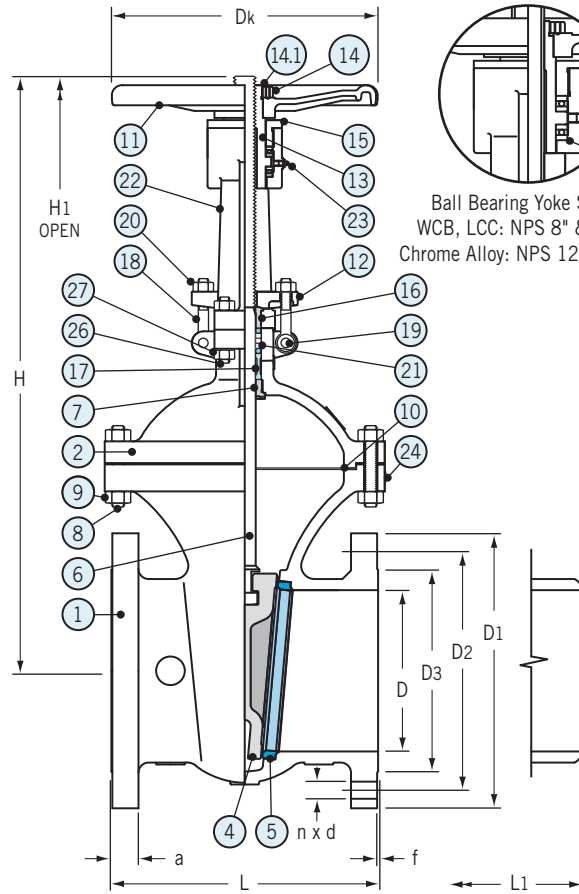
End Flange

Size	D	D1	Bolt Hole			D3	a	f	L	L1	H	H1 (Open)	Dk	Wt. Lbs.	C _v
			D2	n	d										
2	2.00	6.00	4.75	4	0.75	3.62	0.63	0.06	7.00	8.50	13.30	15.83	7.87	48.4	298.7
2 1/2	2.50	7.00	5.50	4	0.75	4.12	0.69	0.06	7.50	9.50	14.57	17.52	7.87	57.2	466.7
3	3.00	7.50	6.00	4	0.75	5.00	0.75	0.06	8.00	11.12	16.81	20.35	9.84	77.0	694.1
4	4.00	9.00	7.50	8	0.75	6.19	0.94	0.06	9.00	12.00	19.09	23.63	9.84	114.4	1234.0
6	6.00	11.00	9.50	8	0.87	8.50	1.00	0.06	10.50	15.88	23.97	30.55	11.81	198.0	2873.9
8	8.00	13.50	11.75	8	0.87	10.62	1.13	0.06	11.50	16.50	29.29	37.88	13.78	288.2	5109.1
10	10.00	16.00	14.25	12	1.00	12.75	1.22	0.06	13.00	18.00	35.27	45.98	15.75	440.0	8622.6
12	12.00	19.00	17.00	12	1.00	15.00	1.25	0.06	14.00	19.75	41.93	54.84	17.70	678.7	12416.5
14	13.25	21.00	18.75	12	1.13	16.25	1.38	0.06	15.00	22.50	46.61	61.02	19.70	895.4	17651.7
16	15.25	23.50	21.25	16	1.13	18.50	1.44	0.06	16.00	24.00	53.86	70.79	23.60	1245.2	23055.3
18	17.25	25.00	22.75	16	1.25	21.00	1.56	0.06	17.00	26.00	60.47	79.21	23.60	1595.0	30603.6
20	19.25	27.50	25.00	20	1.25	23.00	1.69	0.06	18.00	28.00	66.29	86.85	26.80	2059.2	37782.2
24	23.25	32.00	29.50	20	1.38	27.25	1.88	0.06	20.00	32.00	78.62	103.15	29.50	3020.6	57349.4
30(A)	29.00	38.75	36.00	28	1.38	33.75	2.95	0.06	24.00	36.00	93.43	—	—	4391.2	95044.0
30(B)	29.00	34.94	33.31	44	0.87	32.00	1.77	0.06	24.00	36.00	—	—	—	4083.2	95044.0
36(A)	34.50	46.00	42.75	32	1.61	40.25	3.58	0.06	28.00	40.00	111.61	—	—	6956.4	146313.1
36(B)	34.50	41.62	39.75	44	0.98	38.25	2.09	0.06	28.00	40.00	—	—	—	6410.8	146313.1

Note: All information is subject to change without notice.



WCB, LCC: NPS 2"-10"
Chrome Alloy: NPS 2"-10"



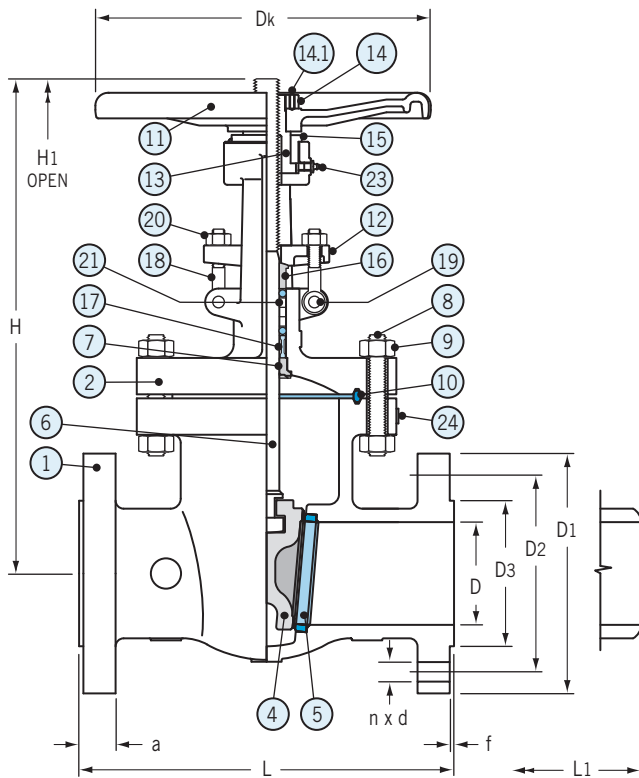
WCB, LCC: NPS 12" & Larger
Chrome Alloy: NPS 12" & Larger

Dimensional Data (in.) & Flow Coefficient (Cv)

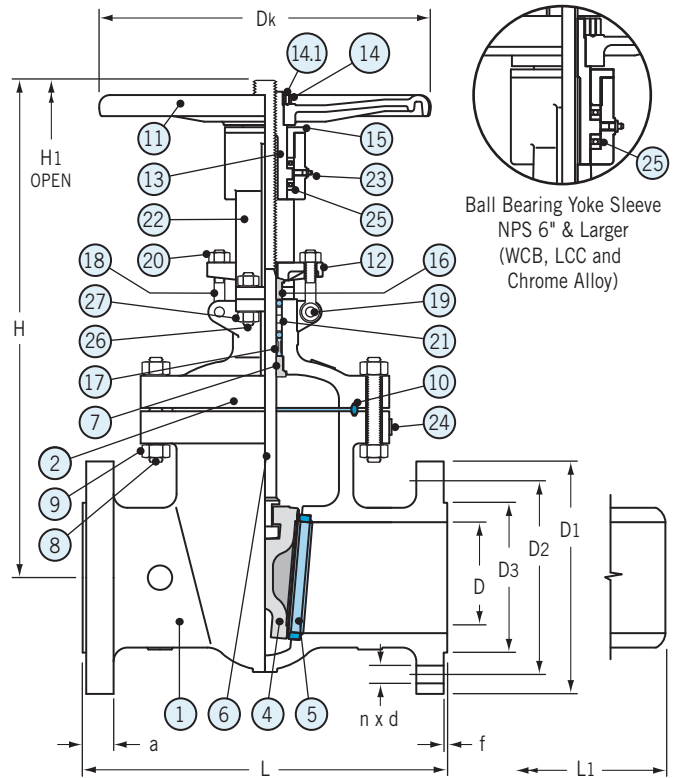
End Flange

Size	D	D1	Bolt Hole			D3	a	f	L	L1	H	H1 (Open)	Dk	Wt. Lbs.	Cv
			D2	n	d										
2	2.00	6.50	5.00	8	0.75	3.62	0.88	0.06	8.50	8.50	14.45	16.97	7.90	66.0	289.8
2 1/2	2.50	7.50	5.88	8	0.87	4.13	1.00	0.06	9.50	9.50	16.89	20.08	7.90	83.6	452.8
3	3.00	8.25	6.62	8	0.87	5.00	1.12	0.06	11.12	11.12	17.36	20.83	9.80	114.4	672.1
4	4.00	10.00	7.88	8	0.87	6.18	1.26	0.06	12.00	12.00	20.00	24.53	9.80	176.0	1194.8
6	6.00	12.50	10.62	12	0.87	8.50	1.44	0.06	15.88	15.88	25.55	32.13	13.80	321.2	2776.4
8	8.00	15.00	13.00	12	1.00	10.63	1.62	0.06	16.50	16.50	31.18	39.76	15.70	484.0	4935.8
10	10.00	17.50	15.25	16	1.13	12.75	1.89	0.06	18.00	18.00	37.56	48.50	17.70	739.2	7982.9
12	12.00	20.50	17.75	16	1.25	15.00	2.00	0.06	19.75	19.75	44.41	57.60	19.70	1073.6	11929.4
14	13.25	23.00	20.25	20	1.25	16.25	2.13	0.06	30.00	30.00	50.39	65.00	23.60	1614.8	15646.6
16	15.25	25.50	22.50	20	1.38	18.50	2.25	0.06	33.00	33.00	55.51	72.40	26.80	2237.4	21207.8
18	17.00	28.00	24.75	24	1.38	21.00	2.40	0.06	36.00	36.00	61.00	80.70	29.50	2807.2	26841.1
20	19.00	30.50	27.00	24	1.38	23.00	2.52	0.06	39.00	39.00	68.27	89.70	33.90	3537.6	34490.3
24	23.00	36.00	32.00	24	1.61	27.25	2.75	0.06	45.00	45.00	79.69	106.89	35.43	5535.2	51874.4
30(A)	29.00	43.00	39.25	28	1.89	33.75	3.62	0.06	55.00	55.00	101.50	—	—	9535.0	85010.0
30(B)	29.00	39.00	36.25	36	1.50	33.25	3.70	0.06	55.00	55.00	—	—	—	9006.0	85010.0
36(A)	34.50	50.00	46.00	32	2.12	40.25	4.13	0.06	68.00	68.00	115.75	—	—	13029.0	—
36(B)	34.50	46.10	42.88	32	1.73	39.75	4.09	0.06	68.00	68.00	—	—	—	12346.0	—

Note: All information is subject to change without notice.



WCB, LCC: NPS 2"-6"
Chrome Alloy: NPS 2"-8"



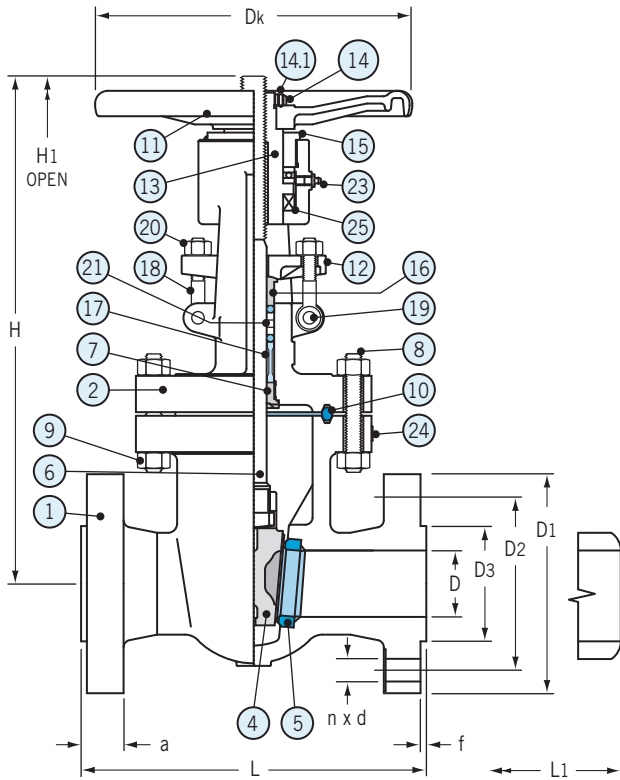
WCB, LCC: NPS 8" & Larger
Chrome Alloy: NPS 10" & Larger

Dimensional Data (in.) & Flow Coefficient (C_v)

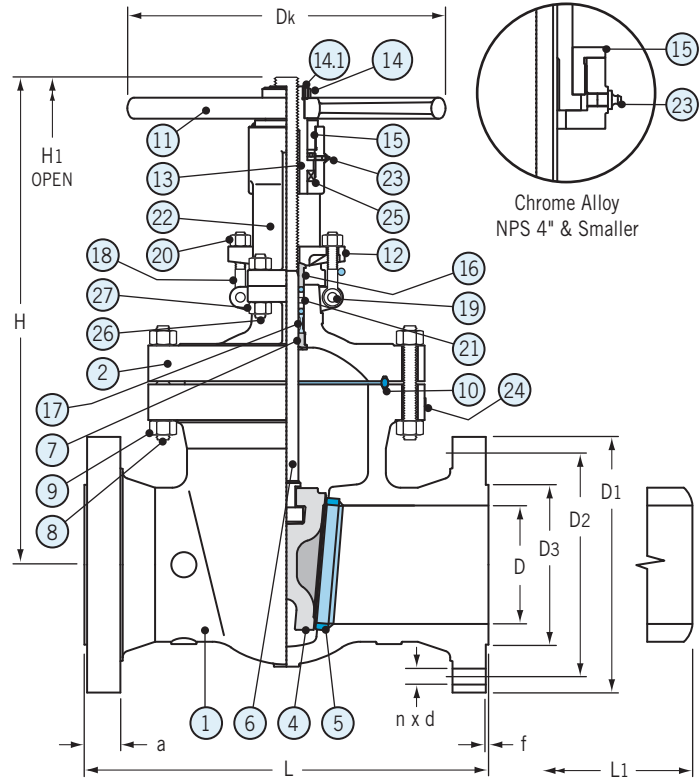
End Flange

Size	D	D1	Bolt Hole			D3	a	f	L	L1	H	H1 (Open)	Dk	Wt. Lbs.	C _v
			D2	n	d										
2	2.00	6.50	5.00	8	0.75	3.62	1.02	0.25	11.50	11.50	15.75	18.19	9.80	92.4	260.7
2 1/2	2.50	7.50	5.88	8	0.87	4.13	1.14	0.25	13.00	13.00	17.32	20.00	9.80	119.0	407.4
3	3.00	8.25	6.62	8	0.87	5.00	1.26	0.25	14.00	14.00	18.54	22.01	11.80	156.2	586.6
4	4.00	10.75	8.50	8	0.98	6.18	1.54	0.25	17.00	17.00	22.52	27.13	13.80	301.4	1068.6
6	6.00	14.00	11.50	12	1.10	8.50	1.89	0.25	22.00	22.00	29.57	37.17	19.70	609.4	2404.4
8	7.87	16.50	13.75	12	1.26	10.63	2.20	0.25	26.00	26.00	35.04	43.94	23.60	479.0	4385.6
10	9.75	20.00	17.00	16	1.38	12.75	2.52	0.25	31.00	31.00	39.92	50.59	26.80	1500.4	7244.4
12	11.73	22.00	19.25	20	1.38	15.00	2.64	0.25	33.00	33.00	45.83	58.46	26.80	1973.4	10753.0
14	12.87	23.75	20.75	20	1.50	16.25	2.76	0.25	35.00	35.00	54.02	66.42	29.90	2647.2	15116.0
16	14.75	27.00	23.75	20	1.61	18.50	3.03	0.25	39.00	39.00	59.45	76.81	31.50	3636.6	20436.3
18	16.50	29.25	25.75	20	1.73	21.00	3.25	0.25	43.00	43.00	67.32	94.00	33.90	7062.0	26841.1
20	18.25	32.00	28.50	24	1.73	23.00	3.50	0.25	47.00	47.00	71.18	—	—	10278.4	34490.3
24	22.00	37.00	33.00	24	2.00	27.25	4.02	0.25	55.00	55.00	81.10	—	—	14687.2	51874.4

Note: All information is subject to change without notice.



WCB, LCC: NPS 3"-4"
 Chrome Alloy: NPS 3"-8"



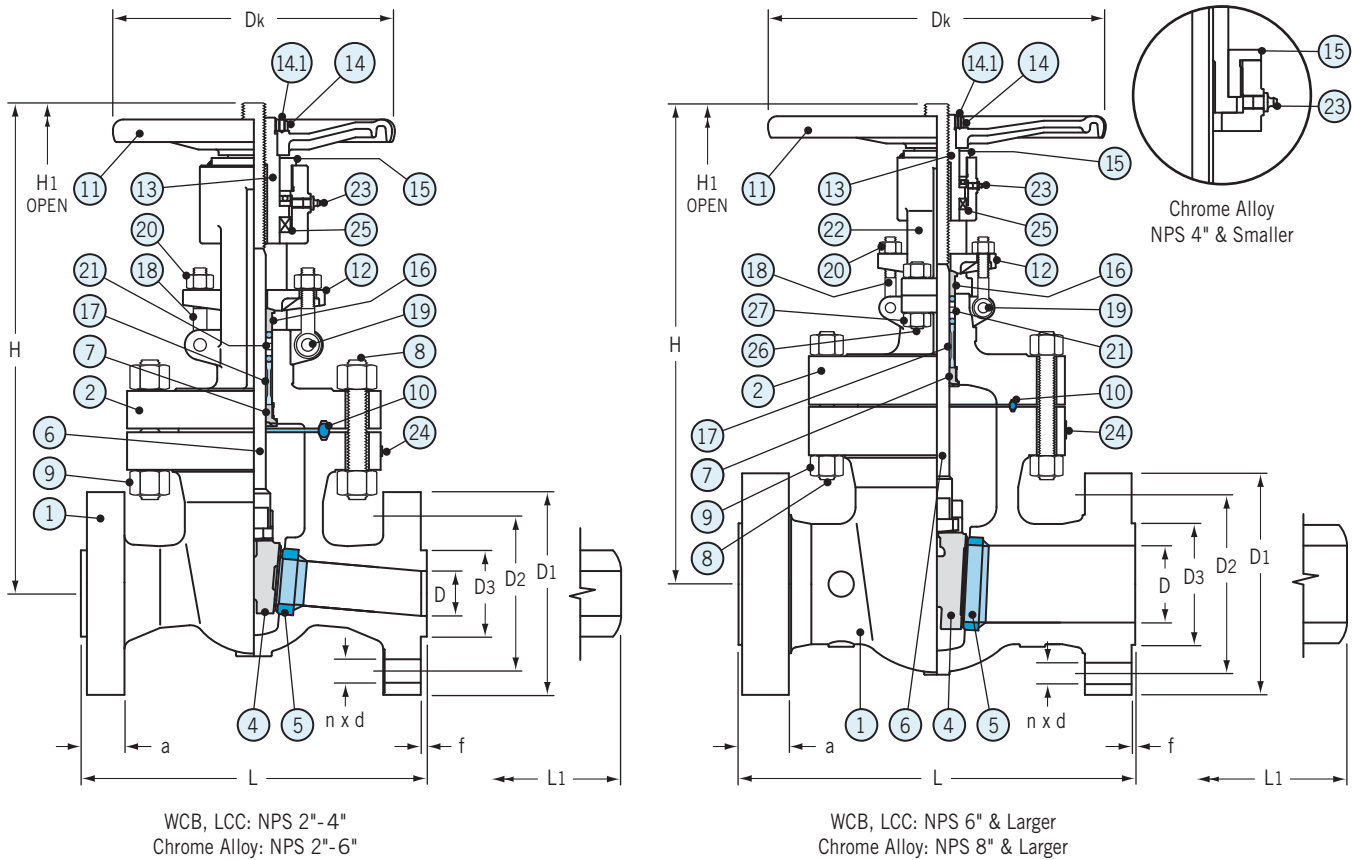
WCB, LCC: NPS 6" & Larger
 Chrome Alloy: NPS 10" & Larger

Dimensional Data (in.) & Flow Coefficient (C_v)

End Flange

Size	D	D ₁	Bolt Hole			D ₃	a	f	L	L ₁	H	H ₁ (Open)	D _k	Wt. Lbs.	C _v
			D ₂	n	d										
3	2.87	9.50	7.50	8	0.98	5.00	1.54	0.25	15.00	15.00	22.05	26.46	14.00	279.4	560.5
4	3.86	11.50	9.25	8	1.26	6.18	1.77	0.25	18.00	18.00	24.80	30.79	15.70	468.6	1018.9
6	5.75	15.00	12.50	12	1.26	8.50	2.20	0.25	24.00	24.00	30.79	42.36	22.00	924.0	2346.5
8	7.50	18.50	15.50	12	1.50	10.63	2.52	0.25	29.00	29.00	35.71	50.43	27.90	14.30	4274.6
10	9.37	21.50	18.50	16	1.50	12.75	2.75	0.25	33.00	33.00	41.93	62.24	27.90	2604.8	6852.5
12	11.14	24.00	21.00	20	1.50	15.00	3.12	0.25	38.00	38.00	45.79	70.71	39.40	3260.4	10138.0

Note: All information is subject to change without notice.



Dimensional Data (in.) & Flow Coefficient (C_v)

End Flange

Size	D	D ₁	Bolt Hole			D ₃	a	f	L	L ₁	H	H ₁ (Open)	D _k	Wt. Lbs.	C _v
			D ₂	n	d										
2	1.88	8.50	6.50	8	0.98	3.62	1.54	0.25	14.50	14.50	20.55	23.82	11.80	224.4	249.1
2 1/2	2.25	9.62	7.50	8	1.00	4.12	1.62	0.25	16.50	16.50	—	26.42	11.80	286.0	396.0
3	2.76	10.50	8.00	8	1.26	5.00	1.89	0.25	18.50	18.50	23.32	33.86	17.70	407.0	537.7
4	3.62	12.25	9.50	8	1.38	6.18	2.13	0.25	21.50	21.50	26.42	31.73	19.70	651.2	975.5
6	5.39	15.50	12.50	12	1.50	8.50	3.27	0.25	27.75	27.75	33.62	41.97	24.80	1337.6	2242.2
8	7.00	19.00	15.50	12	1.73	10.63	3.62	0.25	32.75	32.75	40.24	55.98	27.90	3216.4	4075.6
10	8.78	23.00	19.00	12	2.00	12.75	4.25	0.25	39.00	39.00	50.20	66.26	31.50	4402.2	6518.1
12	10.39	26.50	22.50	16	2.13	15.00	4.88	0.25	44.50	44.50	53.15	78.62	78.60	9229.0	9617.8

Note: All information is subject to change without notice.