



The Right Connection®

Cast Steel Gate Valves 2½" - 24"

*Gate Valves ANSI/API Class 150-600: our **bellows technology** keeps corrosive or harmful atmospheric conditions from entering the process.*



interior cut-away

Applications:

- Use in applications where leakage into or out of the valve is unacceptable such as heat transfer oil, toxic fluids, steam, and regulated media.

Features:

- Inconel™ bellows provide longer life and maximum corrosion resistance
- Zero stem leakage eliminates media loss and satisfies environmental regulations
- Zero maintenance results in lower operating costs; no downtime
- Reduce monitoring costs
- Three stem seals for safety: metallic bellows, graphite packing, backseat in open position
- Hardfaced Stellite® six seating surface provides long life
- Additional alloys, trims, and other end configurations available
- Class 150 - Class 600 available
- Consult factory for stainless steel products in larger valves

Specifications:

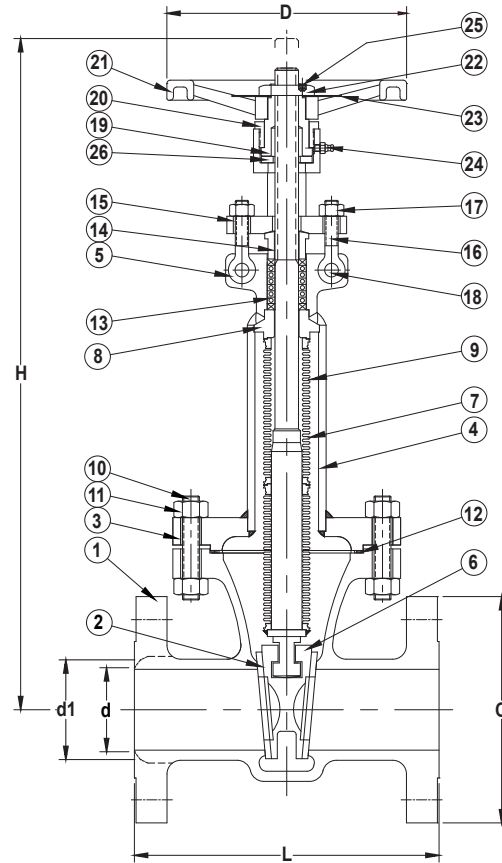
- Valve tested to ASME B16.34 / API 598
- Meets MSS SP-117
- 5 year bellows warranty

Materials

No.	Description	Carbon Steel (C22)
1	body	A216 WCB
2	seat ring	A105 ¹
3	bonnet	A216 WCB
4	extension	1025
5	yoke	A216 WCB
6	gate	A216 WCB ¹
7	bellows assy.	Inconel™ 625 ²
8	bonnet bushing	type 316 stainless
9	stem	type 410 stainless
10	joint bolt	A193 B7
11	hex nut	A194 2H
12	gasket	graphite / 316 stainless
13	gland packing	graphite
14	gland bushing	type 410 stainless
15	gland plate	A216 WCB
16	gland bolt	A193 B7
17	hex nut	A194 2H
18	pin	carbon steel
19	sleeve	ductile iron
20	yoke cap	carbon steel
21	handwheel	malleable iron
22	handle nut	carbon steel
23	name plate	aluminum
24	grease fitting	carbon steel
25	set screw	alloy steel
26	thrust collar	copper alloy

¹ Stellite™ overlay on seating area. Stellite™ is a registered trademark of Thermadyne.

² Inconel™ is a trademark of Huntington Alloys, Inc.



Operating Characteristics and Dimensions

Flanged End - ANSI 150

Size	C	L	H	D	Wt (lbs)
3"	7.50	8.00	29	10	75
4"	9.00	9.00	36	12	130
6"	11.00	10.50	53	16	210
8"	13.50	11.50	61	18	370
10"	16.00	13.00	71	18	500
12"	19.00	14.00	82	18	710

• Larger sizes available, consult factory

Butt Weld End - ANSI 150

Size	d	d1	L	H	D	LIFT	Cv	Wt (lbs)
3"	3.068	3.59	11.12	29	10	3.48	710	113
4"	4.026	4.62	12.00	36	12	4.45	1300	135
6"	6.065	6.78	15.88	53	16	6.45	3110	345
8"	7.981	8.78	16.50	61	18	8.50	5700	500
10"	10.020	10.94	18.00	72	20	10.40	8900	690
12"	12.000	12.97	19.75	85	20	12.50	13300	920

Flanged and Butt Weld End - ANSI 300

Size	d	d1	C	L	H	D	LIFT	Cv	Wt (lbs) FL	Wt (lbs) BW
3"	3.068	3.59	8.25	11.12	29	10	3.48	710	136	113
4"	4.026	4.62	10.00	12.00	36	12	4.45	1300	179	135
6"	6.065	6.78	12.50	15.88	53	16	6.45	3110	420	345
8"	7.981	8.78	15.00	16.50	61	18	8.50	5700	600	500
10"	10.020	10.94	17.50	18.00	72	20	10.40	8900	820	690
12"	12.000	12.97	20.50	19.75	85	20	12.50	13300	1150	920

• Larger sizes available, consult factory

• Consult the factory for ANSI 600

Warning & Safety

! Dixon Eagle valves are designed to work safely for their intended use. Failure to know and understand the intended use or to consider the size, temperature, application, media, pressure and manufacturers recommendations when selecting the proper valve assembly components can result in accidents and injuries, including death and serious and permanent injuries. Dixon® recommends that all valve assemblies be tested in accordance with ASME and API recommendations and be inspected regularly to ensure that their use remains appropriate and that they are not damaged.

At no charge, Dixon® is available to consult, train, and recommend the proper selection and application of all valves we sell. We strongly recommend that distributors and end users make use of Dixon's Testing and Recommendation Services. Contact Dixon® to learn more.

Dixon Eagle

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