

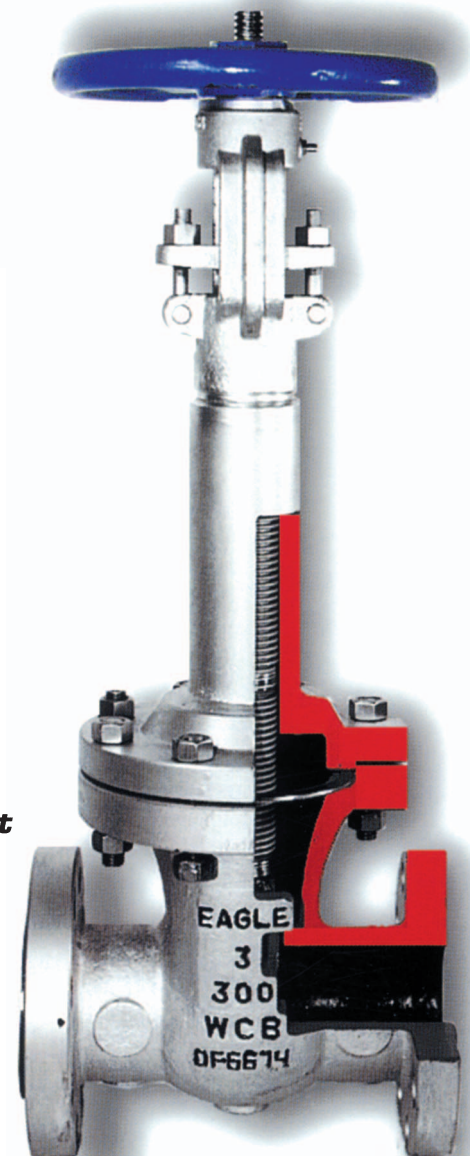


*The EPA states: that bellows seals are "the best available technology" to control fugitive emissions.*

*Our bellows technology also keeps any corrosive or harmful atmospheric condition from entering the process.*

## **Cast Steel Gate Valves 2 1/2" - 12"**

- **Inconel Bellows**  
*For longer life and maximum corrosion resistance*
- **Zero Stem Leakage**  
*Eliminates media loss and satisfies environmental regulations*
- **Zero Maintenance**  
*Lower operating costs/no downtime*
- **Reduce Monitoring Costs**
- **Three Stem Seals For Safety**  
*Metallic bellows  
Graphite packing  
Backseat in open position*
- **Hardfaced Seating Surface**  
*Stellite 6 for long life*
- **Valve Designed, Manufactured And Tested To ANSI B16.34/API 600 & 598**
- **Additional Alloy And Trims Available**
- **For Applications Where Leakage Into Or Out Of The Valve Is Unacceptable**  
*Heat Transfer Oil  
Toxic Fluids  
Steam  
Regulated Media*



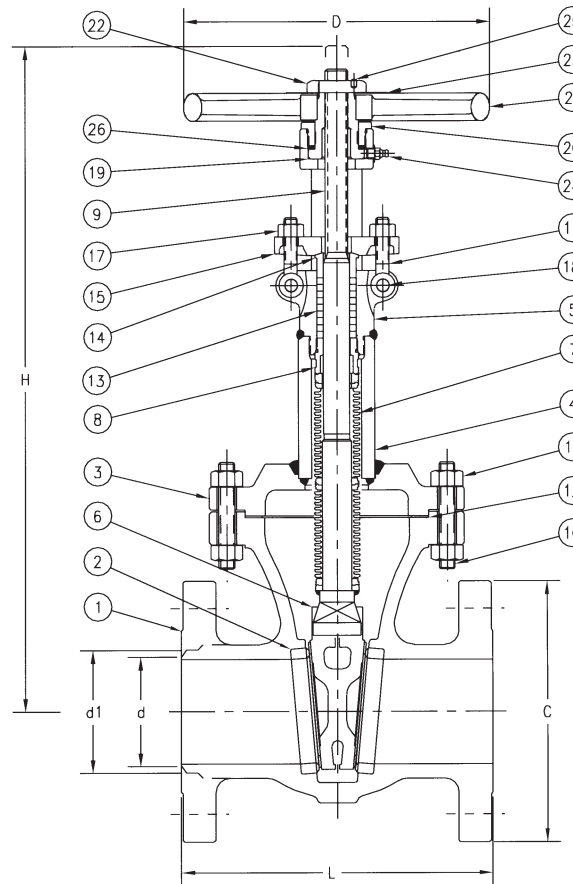
## Materials

No.	Part	Carbon Steel (C22)	Stainless Steel (S44)
1	Body	A216WCB	A351 CF8M
2	Seat Ring	A106*	---
3	Bonnet	A216WCB	A351 CF 8M
4	Extension	A106	Type 316 SS
5	Yoke	A216WCB	A351 CF8M
6	Gate	A216WCB+13CR	Type 316 SS
7	Bellows Assy.	INCONEL 625**	INCONEL 625 **
8	Bonnet Bushing	Type 316 SS	Type 316 SS
9	Stem	Type 410 SS	Type 316 SS
10	Joint Bolt	A193 B7	A193 B8
11	Hex Nut	A194 2H	A194 8
12	Gasket	Graphite/316 SS	150 class: Graphite 300 class: Graphite/316 SS
13	Gland Packing	Graphite	Graphite
14	Gland Bushing	Type 410 SS	Type 316 SS
15	Gland Plate	A216 WCB	A351 CF8
16	Gland Bolt	Carbon Steel	Type 304 SS
17	Hex Nut	Carbon Steel	Type 304 SS
18	Pin	Carbon Steel	Type 304 SS
19	Sleeve	Ductile Iron	Copper Alloy
20	Yoke Cap	Carbon Steel	Type 410 SS
21	Handwheel	Malleable Iron	Malleable Iron
22	Handle Nut	Carbon Steel	Stainless Steel
23	Name Plate	Aluminum	Aluminum
24	Grease Fitting	Carbon Steel	---
25	Set Screw	Alloy Steel	Stainless Steel
26	Thrust Collar	Copper Alloy	---

\*Stellite overlay on seating area. Stellite is a registered trademark of Thermadyne.

\*\* INCONEL is a trademark of Huntington Alloys, Inc.

## Cast Steel Gate Valves 2 1/2" - 12"



## Operating Characteristics and Dimensions

### ANSI 150

SIZE	Flanged End					Butt Weld End							
	C	L	H	D	WT (lba)	d	d1	L	H	D	LIFT	Cv	WT (lba)
3	7.50	8.00	29	10	75	3.068	3.59	11.12	29	10	3.48	710	113
4	9.00	9.00	36	12	130	4.026	4.62	12.00	36	12	4.45	1300	135
6	11.00	10.50	53	16	210	6.065	6.78	15.88	53	16	6.45	3110	345
8	13.50	11.50	61	18	370	7.981	8.78	16.50	61	18	8.50	5700	500
10	16.00	13.00	71	18	500	10.020	10.94	18.00	72	20	10.40	8900	690
12	19.00	14.00	82	18	710	12.000	12.97	19.75	85	20	12.50	13300	920

### ANSI 300

SIZE	Flanged and Butt Weld End										
	d	d1	C	L	H	D	LIFT	Cv	WT (lba) FL	WT (lba) 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	

**ANSI 600 - Consult factory.**



**5 Year Bellows Fatigue Warranty**

**EAGLE AMERICA, INC.**

*Valves For The Future*

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