



Valves, Automation & Controls

Series 35114
150# FLANGED CAST STEEL
GATE VALVE

Design Features

- Outside screw and yoke
- Bolted bonnet
- Flexible wedge, fully guided
- Integrated seats
- Rising stem and non-rising hand-wheel
- Available with gear operator
- Trim 8

Applicable Standards

- Gate valves API 600
- Steel valves ANSI B16.34
- Face to face ANSI B16.10
- End flanges ANSI B16.5
- Butt-weld ends ANSI B16.25
- Inspection and test API 598
- Nace MR-0175



USA 800-766-0076

Fax 323-890-4456

www.smithcooper.com

www.sharpevalves.com

Los Angeles, CA

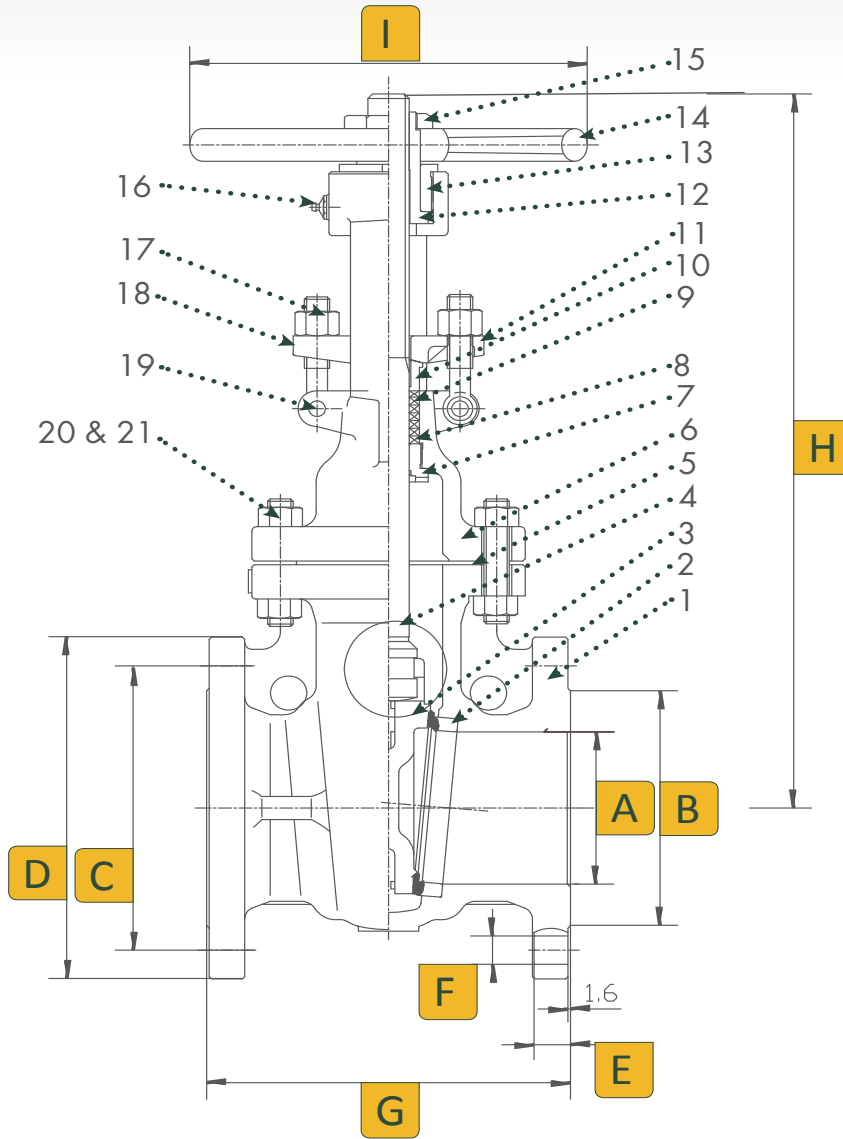
Chicago, IL

Atlanta, GA

Vancouver, WA

Houston, TX

2"-12" Dimensions, Parts & Materials



No.	Part Name	Material
1	Body	Carbon Steel ASTM A216 - WCB
2	Seat	A105 & STL.6
3	Wedge	A216 WCB & ER410
4	Stem	A182 - F6a
5	Gasket	304 Stainless Steel & Graphite
6	Bonnet	Carbon Steel ASTM A216 - WCB
7	Back Seat	410 Stainless Steel
8	Gland Packing	304 Stainless Steel & Graphite
9	Gland Packing	Flexible Graphite
10	Gland	410 Stainless Steel
11	Gland Flange	Carbon Steel ASTM A216 - WCB
12	Stem Nut	A439-D2
13	Gland Nut	Carbon Steel
14	Hand-wheel	Ductile Iron
15	Lock Nut	Carbon Steel
16	Grease Nipple	Carbon Steel
17	Eye Nut	B7 Steel ASTM A193
18	Eye Bolt	2H Steel ASTM A194
19	Pin	Carbon Steel
20	Bolt	B7 Steel ASTM A193
21	Nut	2H Steel ASTM A194

Dimensions (Inches)

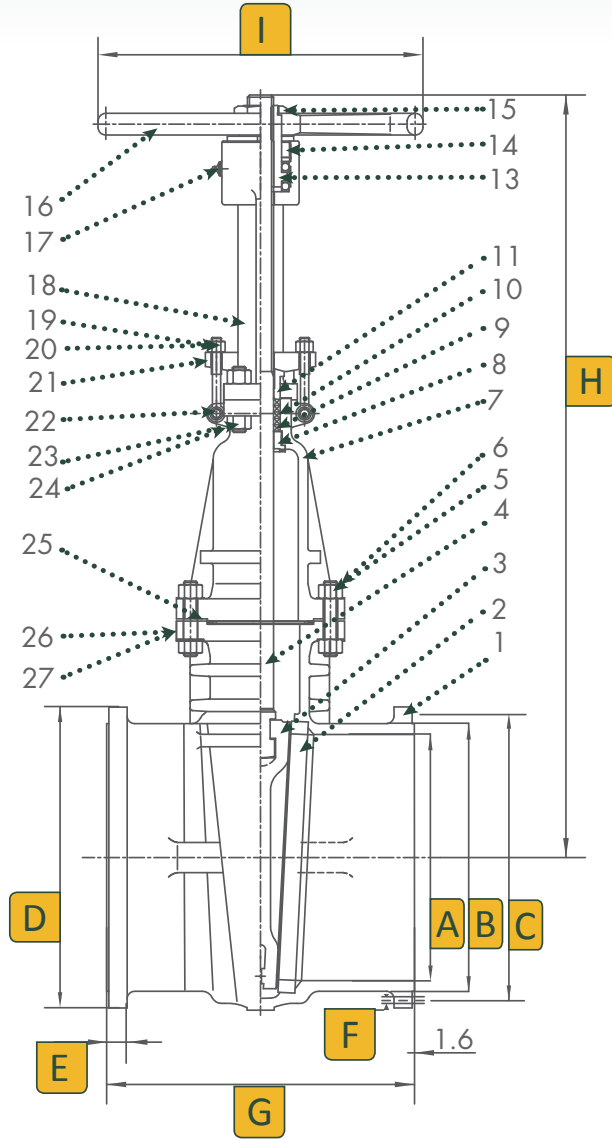
Size	A	B	C	D	E	F	G	H	I	Num of Bolt Holes
2	2.01	3.62	4.76	6.00	0.75	0.75	7.00	12.99	7.87	4
2-1/2	2.52	4.13	5.51	7.01	0.89	0.75	7.50	13.98	7.87	4
3	2.99	5.00	6.00	7.50	0.94	0.75	7.99	15.47	9.84	4
4	4.02	6.18	7.50	9.00	0.94	0.75	9.00	18.70	9.84	8
6	6.00	8.50	9.50	11.00	1.00	0.875	10.50	23.43	11.81	8
8	8.00	10.62	11.75	13.50	1.12	0.875	11.50	28.86	13.78	8
10	10.00	12.75	14.25	16.00	1.18	1.00	13.00	34.40	15.75	12
12	12.00	15.00	17.00	19.00	1.25	1.00	14.00	40.08	17.72	12



Valves, Automation & Controls

Series 35114 150# FLANGED CAST STEEL GATE VALVE

**14"-24" Dimensions,
Parts & Materials**



No.	Part Name	Material
1	Body	Carbon Steel ASTM A216 - WCB
2	Seat	A105 & STL6
3	Wedge	A216 WCB & ER410
4	Stem	A182 - F6a
5	Bolt	B7 Steel ASTM A193
6	Nut	2H Steel A194
7	Bonnet	Carbon Steel ASTM A216 - WCB
8	Back Seat	410 Stainless Steel
9	Gland Packing	304 Stainless Steel & Graphite
10	Gland Packing	Flexible Graphite
11	Gland	410 Stainless Steel
13	Stem Nut	A439-D2
14	Gland Nut	Carbon Steel
15	Lock Nut	Carbon Steel
16	Hand-wheel	Ductile Iron
17	Grease Nipple	Carbon Steel
18	Yoke	Carbon Steel ASTM A216 - WCB
19	Eye Nut	2H Steel ASTM A194
20	Eye Bolt	B7 Steel ASTM A193
21	Gland Flange	Carbon Steel ASTM A216 - WCB
22	Pin	Carbon Steel
23	Bolt	B7 Steel ASTM A193
24	Nut	2H Steel ASTM A194
25	Gasket	304 Stainless Steel & Graphite
26	Name Plate	304 Stainless Steel
27	Rivet	304 Stainless Steel

Size	A	B	C	D	E	F	G	H	I	Num of Bolt Holes
14	13.27	16.25	18.75	21.00	1.37	1.125	15.00	59.70	19.70	12
16	15.21	18.50	21.25	23.50	1.44	1.125	16.00	67.70	22.05	16
18	17.24	21.00	22.75	25.00	1.56	1.25	17.00	74.70	25.20	16
20	19.25	23.00	25.00	27.50	1.68	1.25	18.00	82.99	25.20	20
24	23.21	27.25	29.50	32.00	1.87	1.375	20.00	97.68	28.35	20



Valves, Automation & Controls

Series 35114 150# FLANGED CAST STEEL GATE VALVE

Technical Information

Temperature °F	Working Pressure psi
-20 to 100	285
200	260
300	230
400	200
500	170
600	140
650	125
700	110
750	95
800	80
850	65
900	50
950	35
1000	20

How to Order

Size	Series	Class	Ends	Body Material	Options
2	35	1 150	1 Flange	4 Carbon Steel	60 Gear Operator (available from stock over 12" POA under 12")
2-1/2			2 Butt-weld*		
3					
4					
5					
6					
8					
10					
12					
14					
16					
18					
20					
24					

*POA

Example: 8 - 35 - 1 - - 1 - 4 - = 8-35-1-1-4

Due to continuous development of our product range, we reserve the right to change the dimensions and information for this product as required.



Valves, Automation & Controls

Series 35314
300# FLANGED CAST STEEL
GATE VALVE

Design Features

- Outside screw and yoke
- Bolted bonnet
- Flexible wedge, fully guided
- Integrated seats
- Rising stem and non-rising hand-wheel
- Available with gear operator
- Trim 8

Applicable Standards

- Gate valves API 600
- Steel valves ANSI B16.34
- Face to face ANSI B16.10
- End flanges ANSI B16.5
- Butt-weld ends ANSI B16.25
- Inspection and test API 598
- Nace MR-0175



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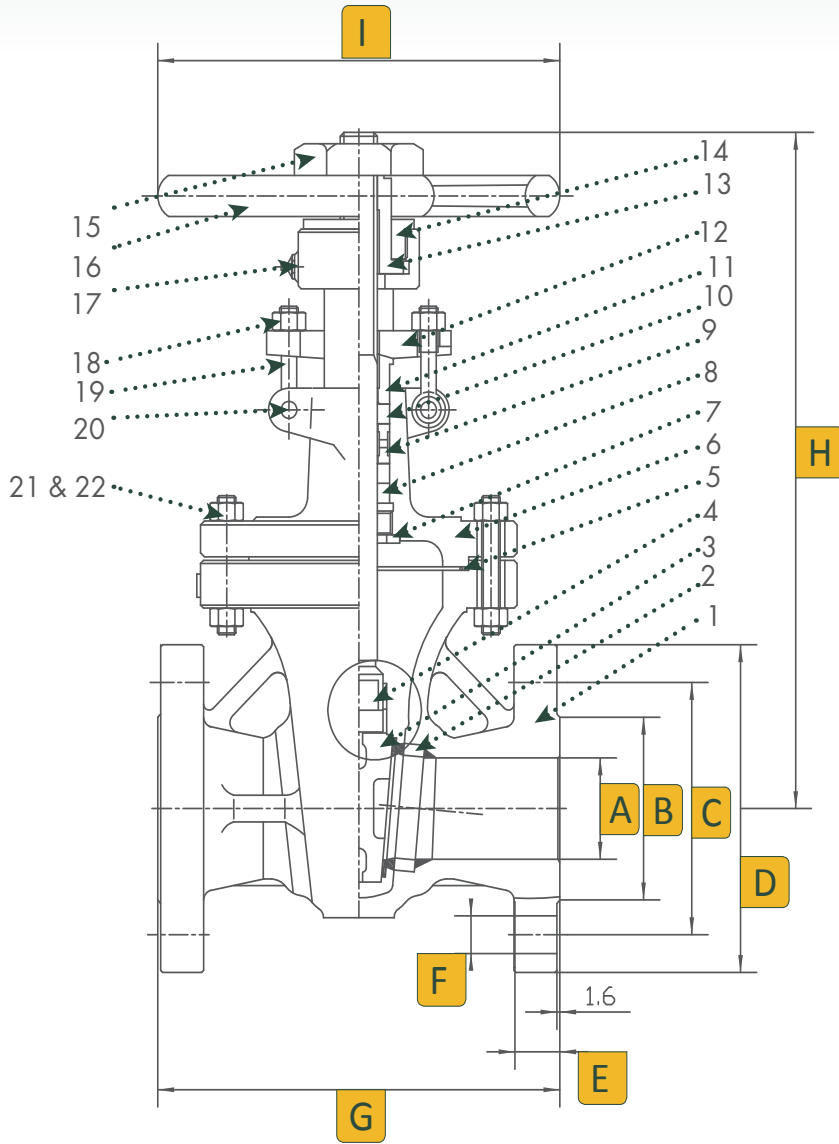
Chicago, IL

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Vancouver, WA

Houston, TX

2"-10" Dimensions, Parts & Materials

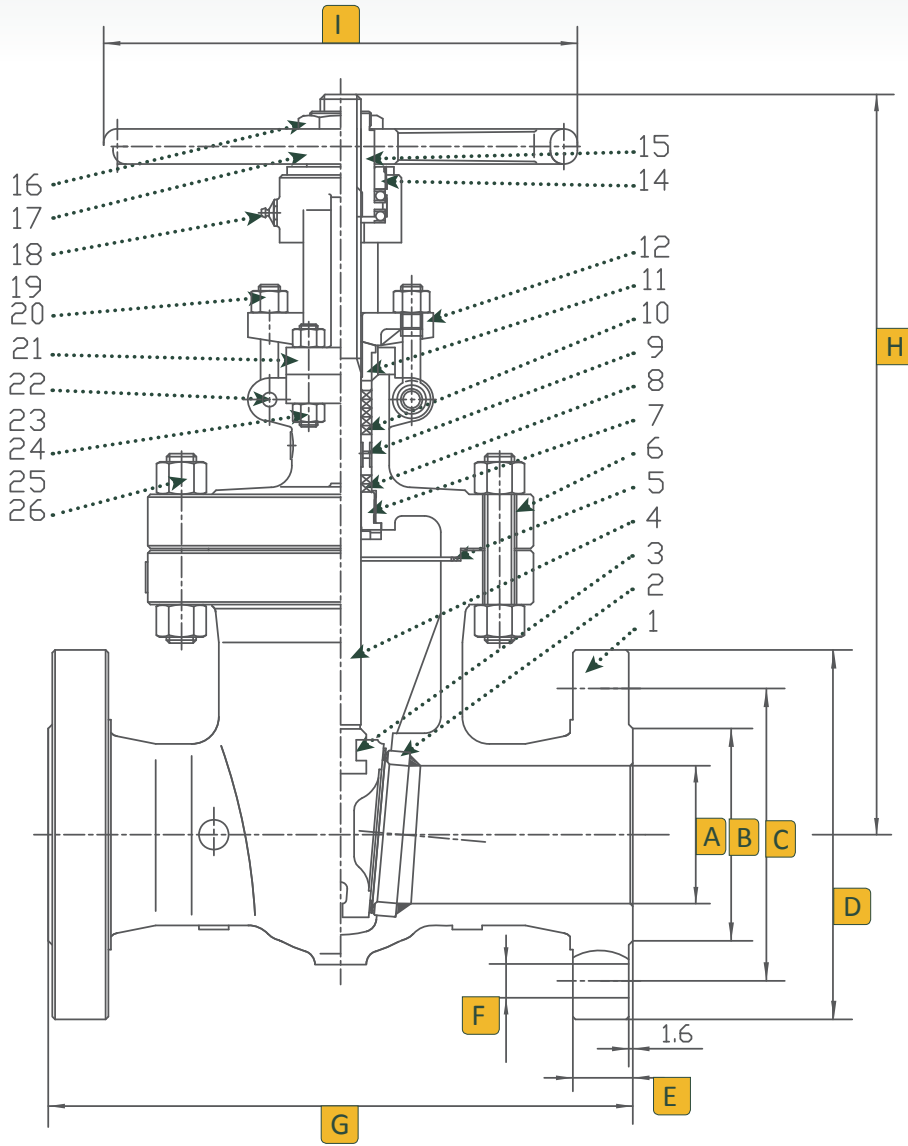


No.	Part Name	Material
1	Body	Carbon Steel ASTM A216 - WCB
2	Seat	A105 & STL6
3	Wedge	A216 WCB & ER410
4	Stem	A182 - F6a
5	Gasket	304 Stainless Steel & Graphite
6	Bonnet	Carbon Steel ASTM A216 - WCB
7	Back Seat	410 Stainless Steel
8	Gland Packing	304 Stainless Steel & Graphite
9	Distance Ring	410 Stainless Steel
10	Gland Packing	Flexible Graphite
11	Gland	410 Stainless Steel
12	Gland Flange	Carbon Steel ASTM A216 - WCB
13	Stem Nut	A439-D2
14	Gland Nut	Carbon Steel
15	Lock Nut	Carbon Steel
16	Hand-wheel	Ductile Iron
17	Grease Nipple	Carbon Steel
18	Eye Nut	B7 Steel A193
19	Eye Bolt	2H Steel A194
20	Pin	Carbon Steel
21	Bolt	B7 Steel A193
22	Nut	2H Steel A194

Dimensions (Inches)

Size	A	B	C	D	E	F	G	H	I	Num of Bolt Holes
2	2.00	3.62	5.00	6.50	0.87	0.75	8.50	14.00	7.87	8
2-1/2	2.50	4.12	5.88	7.50	1.00	0.875	9.50	18.11	7.87	8
3	3.00	5.00	6.62	8.25	1.12	0.875	11.12	17.10	9.84	8
4	4.02	6.19	7.88	10.00	1.25	0.875	12.00	19.60	9.84	8
6	5.98	8.50	10.62	12.50	1.44	0.875	15.88	25.80	13.78	12
8	8.00	10.62	13.00	15.00	1.62	1.00	16.50	30.80	15.75	12
10	10.00	12.75	15.25	17.50	1.87	1.125	18.00	36.70	17.72	16

12"-24" Dimensions, Parts & Materials



No.	Part Name	Material
1	Body	Carbon Steel ASTM A216 - WCB
2	Seat	A105 & STL.6
3	Wedge	A216 WCB & ER410
4	Stem	A182 - F6a
5	Gasket	304 Stainless Steel & Graphite
6	Bonnet	Carbon Steel ASTM A216 - WCB
7	Back Seat	410 Stainless Steel
8	Gland Packing	304 Stainless Steel & Graphite
9	Distance Ring	410 Stainless Steel
10	Gland Packing	Flexible Graphite
11	Gland	410 Stainless Steel
12	Gland Flange	Carbon Steel ASTM A216 - WCB
14	Gland Nut	Carbon Steel
15	Stem Nut	A439-D2
16	Lock Nut	Carbon Steel
17	Hand-wheel	Ductile Iron
18	Grease Nipple	Carbon Steel
19	Eye Bolt	2H Steel A194
20	Eye Nut	B7 Steel A193
21	Yoke	Carbon Steel ASTM A216 - WCB
22	Pin	Carbon Steel
23	Bolt	B7 Steel A193
24	Nut	2H Steel A194
25	Bolt	B7 Steel A193
26	Nut	2H Steel A194

Dimensions (Inches)

Size	A	B	C	D	E	F	G	H	I	Num of Bolt Holes
12	12.00	15.00	17.75	20.50	2.00	1.25	19.75	56.30	19.70	16
14	13.27	16.25	20.25	23.00	2.12	1.25	30.00	60.70	22.05	20
16	15.24	18.50	22.50	25.50	2.25	1.375	33.00	68.60	25.20	20
18	17.24	21.00	24.75	28.00	2.37	1.375	36.00	82.20	25.20	24
20	19.25	23.00	27.00	30.50	2.50	1.375	39.00	84.70	28.35	24
24	23.17	27.25	32.00	36.00	2.75	1.625	45.00	104.40	35.43	24



Valves, Automation & Controls

Series 35314 300# FLANGED CAST STEEL GATE VALVE

Technical Information

Temperature °F	Working Pressure psi
-20 to 100	740
200	680
300	655
400	635
500	605
600	570
650	550
700	530
750	505
800	410
850	320
900	230
950	135
1000	85

How to Order

Size	Series	Class		Ends		Body Material		Options	
2	35	3	300	1	Flange	4	Carbon Steel	60	Gear Operator (available from stock over 12" POA under 12")
2-1/2				2	Butt-weld*				
3									
4									
5									
6									
8									
10									
12									
14*									
16*									
18*									
20*									
24*									

*POA

Example: 8 - 35 - 3 - - 1 - 4 - = 8-35-3-1-4

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Valves, Automation & Controls

Series 35614
600# FLANGED CAST STEEL
GATE VALVE

Design Features

- Outside screw and yoke
- Bolted bonnet
- Flexible wedge, fully guided
- Integrated seats
- Rising stem and non-rising hand-wheel
- Available with gear operator
- Trim 8

Applicable Standards

- Gate valves API 600
- Steel valves ANSI B16.34
- Face to face ANSI B16.10
- End flanges ANSI B16.5
- Butt-weld ends ANSI B16.25
- Inspection and test API 598
- Nace MR-0175



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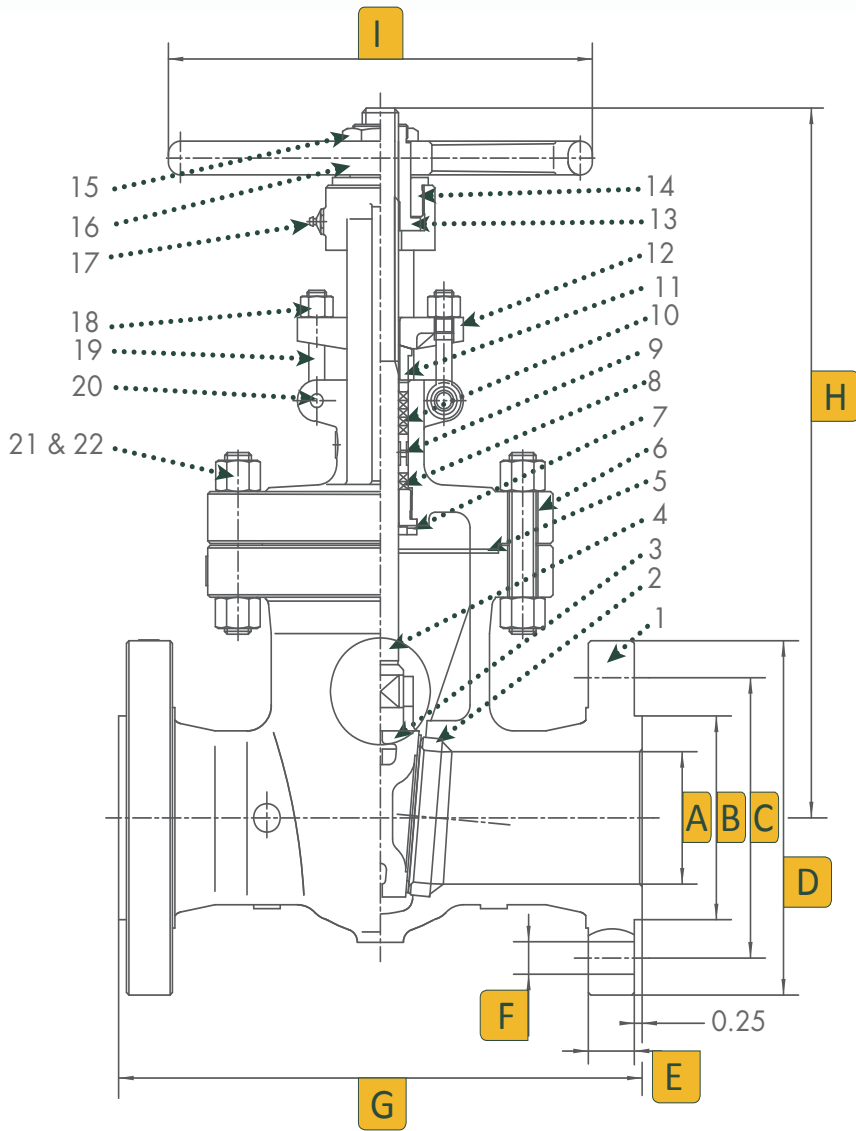
Houston, TX



Valves, Automation & Controls

Series 35614 600# FLANGED CAST STEEL GATE VALVE

**2"-6" Dimensions,
Parts & Materials**



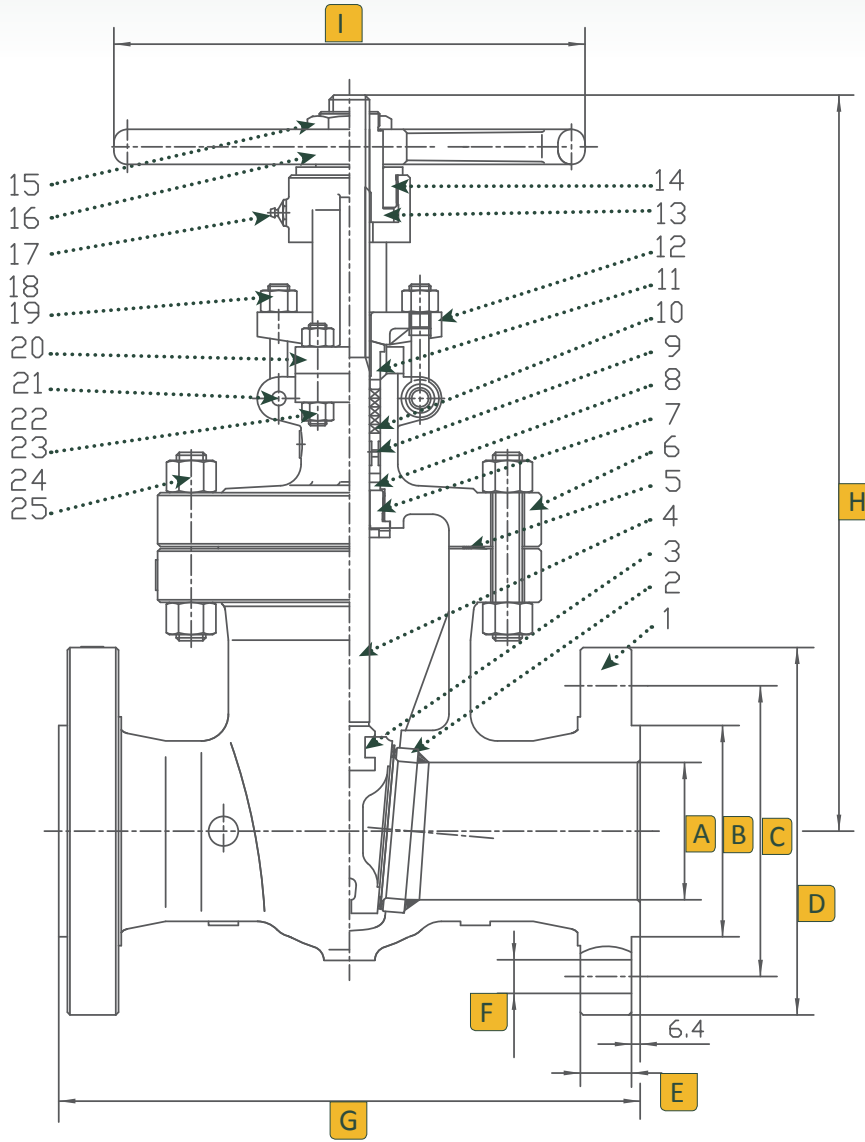
No.	Part Name	Material
1	Body	Carbon Steel ASTM A216 - WCB
2	Seat	A105 & STL6
3	Wedge	A216 WCB & ER410
4	Stem	A182 - F6a
5	Gasket	304 Stainless Steel & Graphite
6	Bonnet	Carbon Steel ASTM A216 - WCB
7	Back Seat	410 Stainless Steel
8	Gland Packing	304 Stainless Steel & Graphite
9	Distance Ring	410 Stainless Steel
10	Gland Packing	Flexible Graphite
11	Gland	410 Stainless Steel
12	Gland Flange	Carbon Steel ASTM A216 - WCB
13	Stem Nut	A439-D2
14	Gland Nut	Carbon Steel
15	Lock Nut	Carbon Steel
16	Hand-wheel	Ductile Iron
17	Grease Nipple	Carbon Steel
18	Eye Nut	B7 Steel A193
19	Eye Bolt	2H Steel A194
20	Pin	Carbon Steel
21	Bolt	B7 Steel A193
22	Nut	2H Steel A194

Dimensions (Inches)

Size	A	B	C	D	E	F	G	H	I	Num of Bolt Holes
2	2.00	3.62	5.00	6.50	1.00	0.75	11.50	14.41	9.84	8
2-1/2	2.50	4.12	5.88	7.50	1.12	0.875	13.00	18.62	9.84	8
3	3.00	5.00	6.62	8.25	1.25	0.875	14.00	17.87	11.81	8
4	4.00	6.19	8.50	10.75	1.50	1.00	17.00	26.10	13.78	8
6	6.00	8.50	11.50	14.00	1.88	1.125	22.00	32.80	17.70	12

Series 35614 600# FLANGED CAST STEEL GATE VALVE

8"-24" Dimensions, Parts & Materials



No.	Part Name	Material
1	Body	Carbon Steel ASTM A216 - WCB
2	Seat	A105 & STL6
3	Wedge	A216 WCB & ER410
4	Stem	A182 - F6a
5	Gasket	304 Stainless Steel & Graphite
6	Bonnet	Carbon Steel ASTM A216 - WCB
7	Back Seat	410 Stainless Steel
8	Gland Packing	304 Stainless Steel & Graphite
9	Distance Ring	410 Stainless Steel
10	Gland Packing	Flexible Graphite
11	Gland	410 Stainless Steel
12	Gland Flange	Carbon Steel ASTM A216 - WCB
13	Stem Nut	A439-D2
14	Gland Nut	Carbon Steel
15	Lock Nut	Carbon Steel
16	Hand-wheel	Ductile Iron
17	Grease Nipple	Carbon Steel
18	Eye Bolt	2H Steel A194
19	Eye Nut	B7 Steel A193
20	Yoke	Carbon Steel ASTM A216 - WCB
21	Pin	Carbon Steel
22	Bolt	B7 Steel A193
23	Nut	2H Steel A194
24	Bolt	B7 Steel A193
25	Nut	2H Steel A194

Dimensions (Inches)

Size	A	B	C	D	E	F	G	H	I	Num of Bolt Holes
8	7.87	10.62	13.75	16.50	2.19	1.25	26.00	37.40	19.70	12
10	9.76	12.75	17.00	20.00	2.50	1.375	31.00	52.10	25.20	16
12	11.73	15.00	19.25	22.00	2.62	1.375	33.00	47.44	25.20	20
16	14.76	18.50	23.75	27.00	3.00	1.625	39.00	55.00	28.35	20
18	16.50	21.00	25.75	29.25	3.25	1.75	43.00	65.55	35.43	20
20	18.27	23.00	28.50	32.00	3.50	1.75	47.00	68.98	35.43	24
24	22.00	27.25	33.00	37.00	4.00	2.00	55.00	76.89	35.43	24



Valves, Automation & Controls

Series 35614 600# FLANGED CAST STEEL GATE VALVE

Technical Information

Temperature °F	Working Pressure psi
-20 to 100	1480
200	1360
300	1310
400	1265
500	1205
600	1135
650	1100
700	1060
750	1015
800	825
850	640
900	460
950	275
1000	170

How to Order

Size	Series	Class		Ends		Body Material		Options	
2	35	6	600	1	Flange	4	Carbon Steel	60	Gear Operator*
2-1/2*				2	Butt-weld*				
3									
4									
5									
6									
8*									
10*									
12*									
14*									
16*									
18*									
20*									
24*									

*POA

Example: 3 - 35 - 6 - - 1 - 4 - = 3-35-6-1-4

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Valves, Automation & Controls

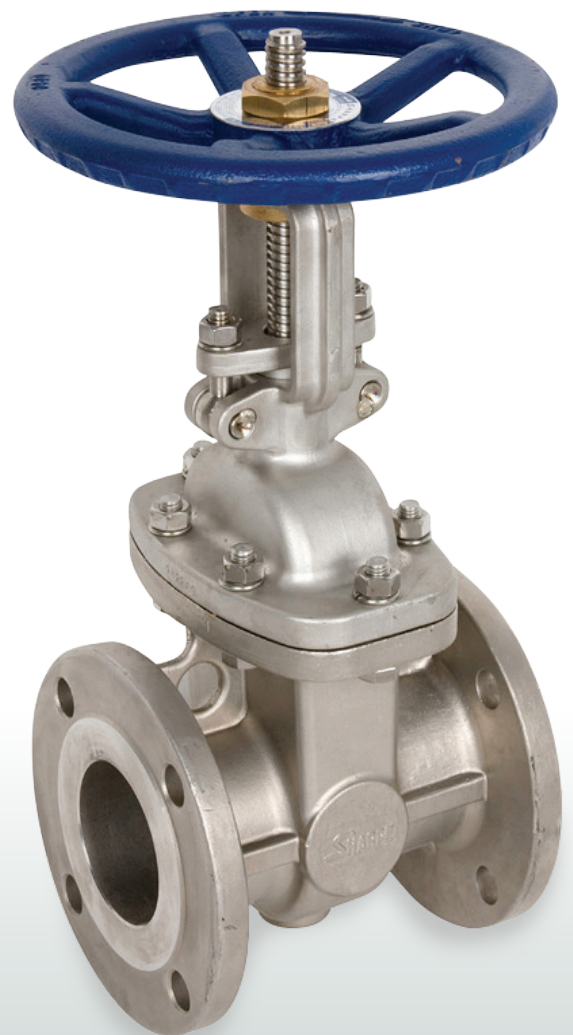
Series 35116
150# FLANGED STAINLESS STEEL
GATE VALVE

Design Features

- Outside screw and yoke
- Bolted bonnet
- Flexible wedge, fully guided
- Integrated seats
- Rising stem and non-rising hand-wheel
- Available with gear operator

Applicable Standards

- Gate valves API 603
- Steel valves ANSI B16.34
- Face to face ANSI B16.10
- End flanges ANSI B16.5
- Butt-weld ends ANSI B16.25
- Inspection and test API 598



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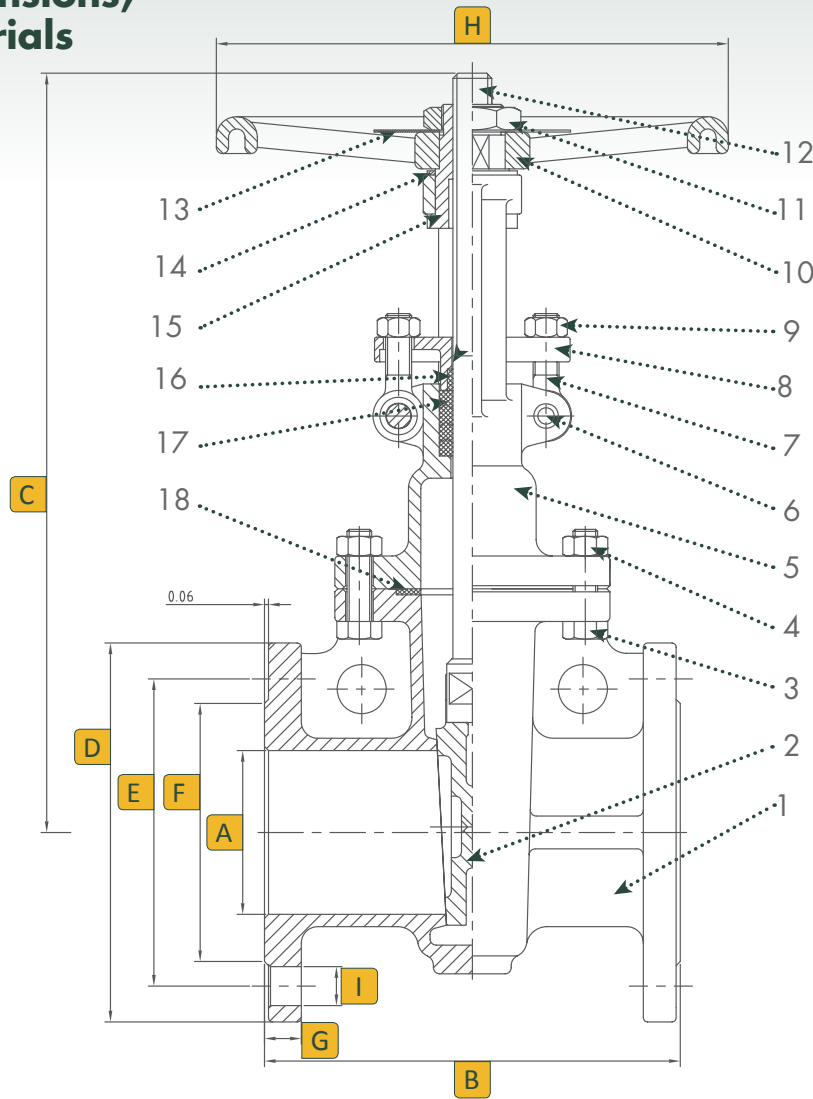
Atlanta, GA

Vancouver, WA

Houston, TX

Series 35116 150# FLANGED STAINLESS STEEL GATE VALVE

**½"-12" Dimensions,
Parts & Materials**



Dimensions (Inches)

Size	A	B	C	D	E	F	G	H	I	Num of Bolt Holes
1/2	0.59	4.25	7.50	3.50	2.38	1.38	0.44	4.72	0.62	4
3/4	0.79	4.61	7.68	3.88	2.75	1.69	0.44	4.72	0.62	4
1	0.98	5.00	9.21	4.25	3.12	2.00	0.44	4.72	0.62	4
1-1/2	1.57	6.50	11.81	5.00	3.88	2.88	0.56	7.87	0.62	4
2	1.97	7.01	13.03	6.00	4.75	3.62	0.62	7.87	0.75	4
2-1/2	2.56	7.48	15.47	7.00	5.50	4.12	0.69	7.87	0.75	4
3	3.15	7.99	18.50	7.50	6.00	5.00	0.75	9.84	0.75	4
4	3.94	9.02	21.45	9.00	7.50	6.19	0.94	9.84	0.75	8
5	4.92	10.00	25.20	10.00	8.50	7.31	0.94	11.81	0.88	8
6	5.91	10.51	29.13	11.00	9.50	8.50	1.00	11.81	0.88	8
8	7.87	11.50	35.83	13.50	11.75	10.62	1.12	13.78	0.88	8
10	9.84	12.99	43.19	16.00	14.25	12.75	1.19	15.75	1.00	12
12	11.81	14.02	50.59	19.00	17.00	15.00	1.25	15.75	1.00	12

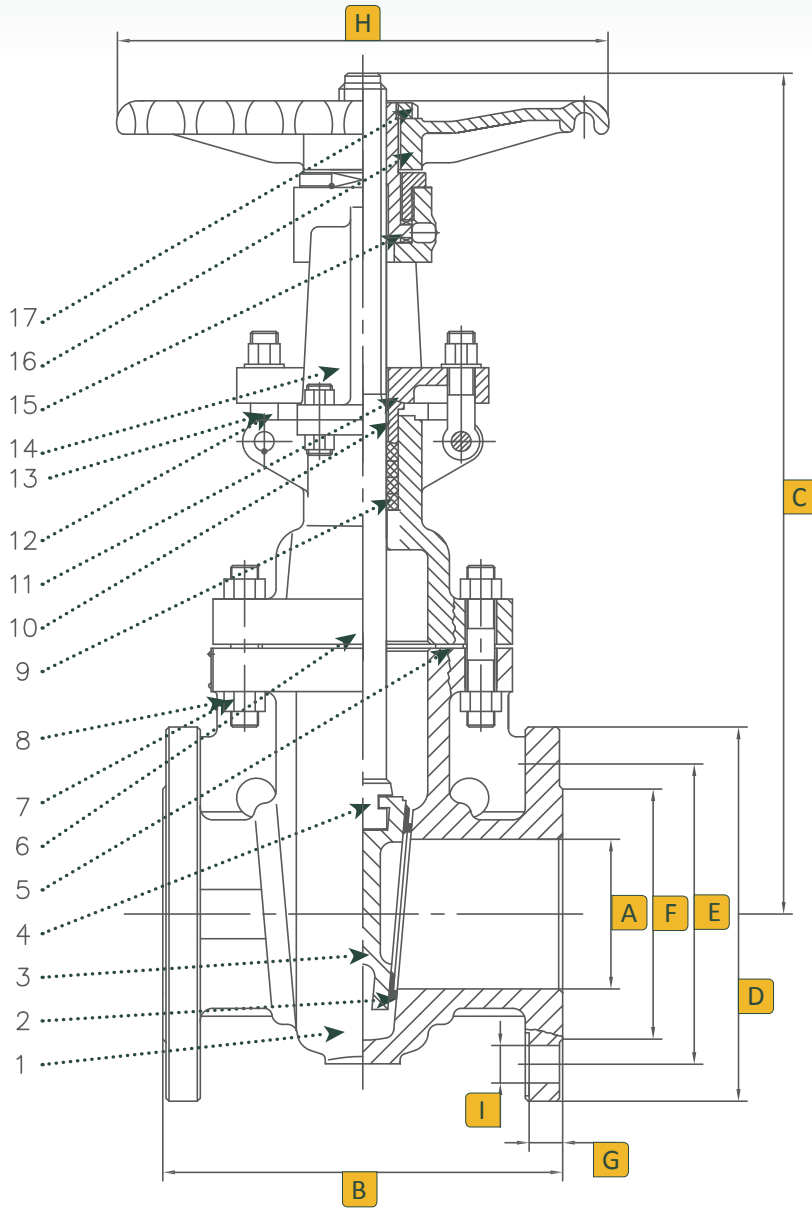
No.	Part Name	Material
1	Body	316 Stainless Steel ASTM A351 CF8M
2	Disc	316 Stainless Steel ASTM A351 CF8M
3	Bonnet Bolt	304 Stainless Steel
4	Bonnet Nut	304 Stainless Steel
5	Bonnet	316 Stainless Steel ASTM A351 CF8M
6	Hinge Pin	304 Stainless Steel
7	Eye Bolt	304 Stainless Steel
8	Gland	316 Stainless Steel ASTM A351 CF8M
9	Eye Nut	304 Stainless Steel
10	Hand Wheel	Ductile Iron
11	Nut	Ductile Iron
12	Stem	A182 - F316
13	Name Plate	304 Stainless Steel
14	Spring	Ductile Iron
15	Yoke Sleeve	Ductile Iron
16	Gland Packing	PTFE (Graphite optional)
17	Packing	PTFE (Graphite optional)
18	Gasket	PTFE (Grafoil + 316 Sheet optional)



Valves, Automation & Controls

Series 35116 150# FLANGED STAINLESS STEEL GATE VALVE

14"-24" Dimensions, Parts & Materials



No.	Part Name	Material
1	Body	316 Stainless Steel ASTM A351 CF8M
2	Seal Face	316 Stainless Steel
3	Wedge	316 Stainless Steel ASTM A351 CF8M
4	Stem	ASTM A182 F316
5	Gasket	PTFE (Graphoil + 316 Sheet*)
6	Bonnet	316 Stainless Steel ASTM A351 CF8M
7	Bonnet Bolt	B8 A193
8	Bonnet Nut	Gr. 8 A194
9	Stem Packing	Graphite
10	Gland	ASTM A182 F316
11	Gland Flange	CF8 A351
12	Gland Eyebolt	B8 A193
13	Gland Nut	Gr. 8 A194
14	Yoke	316 Stainless Steel ASTM A351 CF8M
15	Stem Nut	Steel
16	Hand Wheel	Ductile Iron
17	Lock Nut	ANSI 1020

*Optional

Dimensions (Inches)

Size	A	B	C	D	E	F	G	H	I	Num of Bolt Holes
14	13.27	15.00	59.65	21.00	18.75	18.75	1.38	19.69	1.125	12
16	15.24	16.00	67.76	23.50	21.25	21.25	1.44	19.69	1.125	16
18	17.24	17.00	74.92	25.00	22.75	22.75	1.56	23.62	1.125	16
20	19.25	18.00	82.83	27.50	25.00	25.00	1.69	23.62	1.125	20
24	23.27	20.00	99.02	32.00	29.50	29.50	1.88	27.56	1.125	20



Valves, Automation & Controls

Series 35116 150# FLANGED STAINLESS STEEL GATE VALVE

Technical Information

Temperature °F*	Working Pressure psi
-20 to 100	275
200	235
300	215
400	195
500	170
600	140
650	125
700	110
750	95
800	80
850	65
900	50
950	35
1000	20

*Standard PTFE seals limited to 450°F, over 450°F use graphite.

How to Order

Size	Series	Class	Ends	Body Material	Options
1/2	35	1 150 Flange	1 Flange	6 316 Stainless Steel	60 Gear Operator*
3/4			2 Butt-weld*		G Graphite stem packing & Bonnet Seal*
1					
1-1/2					
2					
2-1/2					
3					
4					
5					
6					
8					
10					
12					
14*					
16*					
18*					
20*					
24*					

*POA

Example: 8 - 35 - 1 - 1 - 6 - = 8-35-1-1-6

Due to continuous development of our product range, we reserve the right to change the dimensions and information for this product as required.



Valves, Automation & Controls

Series 35316
300# FLANGED STAINLESS STEEL
GATE VALVE

Design Features

- Outside screw and yoke
- Bolted bonnet
- Flexible wedge, fully guided
- Integrated seats
- Rising stem and non-rising hand-wheel
- Available with gear operator

Applicable Standards

- Gate valves API 603
- Steel valves ANSI B16.34
- Face to face ANSI B16.10
- End flanges ANSI B16.5
- Butt-weld ends ANSI B16.25
- Inspection and test API 598



USA 800-766-0076

Fax 323-890-4456

www.smithcooper.com

Los Angeles, CA

Chicago, IL

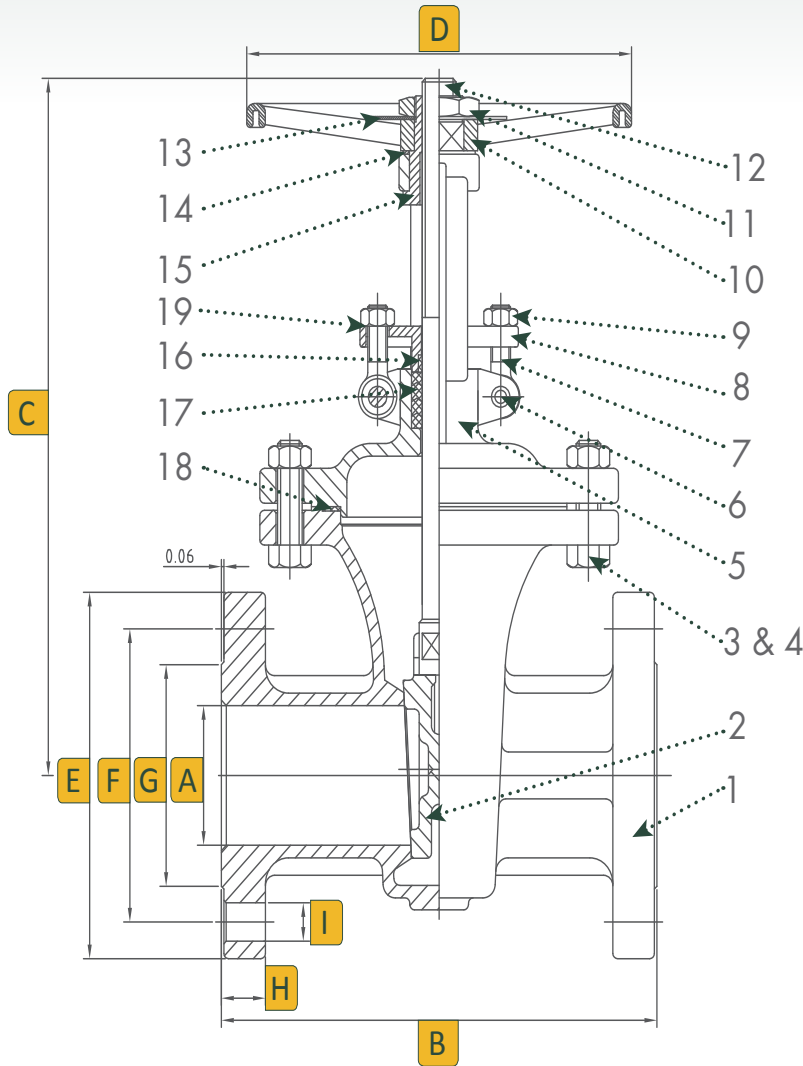
Atlanta, GA

Vancouver, WA

Houston, TX

Series 35316 300# FLANGED STAINLESS STEEL GATE VALVE

**½"-12" Dimensions,
Parts & Materials**



No.	Part Name	Material
1	Body	316 Stainless Steel ASTM A351 CF8M
2	Disc	316 Stainless Steel ASTM A351 CF8M
3	Bonnet Bolt	304 Stainless Steel
4	Bonnet Nut	304 Stainless Steel
5	Bonnet	316 Stainless Steel ASTM A351 CF8M
6	Hinge Pin	304 Stainless Steel
7	Eye Bolt	304 Stainless Steel
8	Gland	316 Stainless Steel
9	Eye Nut	304 Stainless Steel
10	Hand Wheel	Ductile Iron
11	Nut	Brass
12	Stem	316 Stainless Steel
13	Name Plate	304 Stainless Steel
14	Spring	Brass
15	Yoke Sleeve	Brass
16	Gland Packing	PTFE (Graphite Optional)
17	Packing	PTFE (Graphite Optional)
18	Gasket	SS304 + Graphite
19	Spring Washers	300 Series Stainless Steel

Dimensions (Inches)

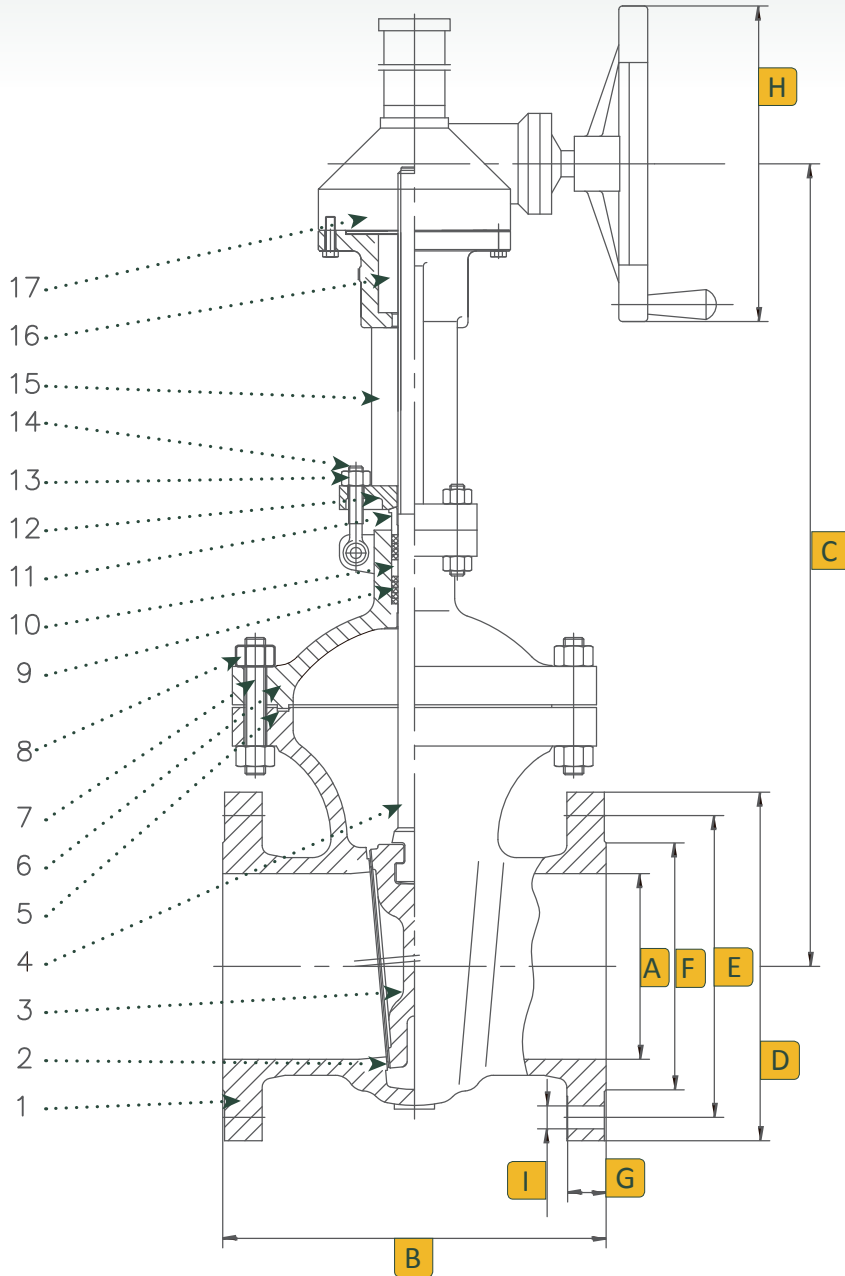
Size	A	B	C	D	E	F	G	H	I	Num of Bolt Holes
1/2	0.59	5.51	9.29	4.72	3.74	2.62	1.38	0.56	0.625	4
3/4	0.79	5.98	9.29	4.72	4.62	3.25	1.69	0.62	0.75	4
1	0.98	6.50	9.29	4.72	4.88	3.50	2.01	0.69	0.75	4
1-1/2	1.57	7.48	13.98	9.84	6.12	4.51	2.88	0.81	0.875	4
2	1.97	8.90	15.12	9.84	6.50	5.00	3.62	0.88	.75	8
2-1/2	2.56	9.49	17.87	9.84	7.50	5.88	4.12	1.00	0.88	8
3	3.15	11.14	19.69	9.84	8.25	6.62	5	1.12	0.88	8
4	3.94	12.00	23.98	11.81	10.00	7.88	6.18	1.25	0.88	8
6	5.91	15.87	31.18	13.78	12.50	10.62	8.50	1.44	0.88	12
8	7.88	16.49	39.29	15.75	15.00	13.00	10.62	1.62	1.00	12
10	9.84	17.99	49.49	19.68	17.50	15.25	12.75	1.88	1.12	16
12	11.81	19.76	59.33	19.68	20.50	17.75	15	2.00	1.25	16



Valves, Automation & Controls

Series 35316 300# FLANGED STAINLESS STEEL GATE VALVE

**14"-24" Dimensions,
Parts & Materials**



No.	Part Name	Material
1	Body	316 Stainless Steel ASTM A351 CF8M
2	Seal Face	316 Stainless Steel
3	Wedge	316 Stainless Steel ASTM A351 CF8M
4	Stem	A182 F316
5	Gasket	316 Spiral Wound
6	Bonnet	316 Stainless Steel
7	Bonnet Bolt	B8 A193
8	Bonnet Nut	Gr. 8 A194
9	Stem Packing	Graphite
10	Gland	A182 F316
11	Gland Flange	CF8 A351
12	Gland Eyebolt	B8 A193
13	Gland Nut	Gr. 8 A194
14	Yoke	316 Stainless Steel ASTM A351 CF8M
15	Stem Nut	Zinc Plated Steel
16	Hand Wheel	Ductile Iron
17	Lock Nut	ANSI 1020

Dimensions (Inches)

Size	A	B	C	D	E	F	G	H	I	Num of Bolt Holes
14	13.27	30.00	47.36	23.00	20.25	16.25	2.12	18.11	1-1/4	20
16	15.24	33.00	54.88	25.50	22.50	18.50	2.25	18.11	1-3/8	20
18	17.01	36.00	58.94	28.00	24.75	20.98	2.38	18.11	1-3/8	24
20	19.02	39.00	64.65	30.50	27.00	22.99	2.50	23.62	1-3/8	24
24	22.99	45.00	77.80	36.00	32.00	27.24	2.75	23.62	1-3/8	24



Valves, Automation & Controls

Series 35316 300# FLANGED STAINLESS STEEL GATE VALVE

Technical Information

Temperature °F*	Working Pressure psi
-20 to 100	720
200	620
300	560
400	515
500	480
600	450
650	440
700	435
750	425
800	420
850	420
900	415
950	385
1000	365

*Standard PTFE seals limited to 450°F, over 450°F use graphite.

How to Order

Size	Series	Class	Ends	Body Material	Options	
1/2	35	3	300 Flange	1 Flange	6 316 Stainless Steel	60 Gear Operator*
3/4			2 Butt-weld*			
1						
1-1/2						
2						
2-1/2						
3						
4						
5						
6						
8*						
10*						
12*						
14*						
16*						
18*						
20*						
24*						

*POA

Example: 3 - 35 - 3 - - 1 - 6 - - = 3-35-3-1-6

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