



Forged Stainless Steel Valves



**Stainless Division
of Newman's**



**Recognized For
Quality Since 1883**

Forged Stainless Steel Gate Valves

800 lb. Rated / 2000 PSI Cold, Non Shock

316 Stainless Steel Body, Bonnet and Trim

Reduced Port Design

Outside Screw and Yoke

Bolted Bonnet

Threaded or Socket Weld*

Ends: 1/2"-2"

NO.	NAME OF PART	MATERIAL	QTY.
1	Body	A182-F316	1
2	Bonnet	A182-F316	1
3	Wedge (Solid)	A182-F316	1
4	Stem	A182-F316	1
5	Hand Wheel	Ductile Iron	1
6	Seat Ring	A182-F316	2
7	Gland Flange	A182-F316	1
8	Packing Gland	A182-F316	1
9	Gasket	Spiral Wound AISI 316 with Graphite	1
10	Sleeve	A276-410	4
11	Sleeve Washer	A276-430	1
12	Lock Nut	A182-F321	1
13	Eye Bolt	A182-F316	2
14	Eye Bolt Nut	A182-F304	2
15	Eye Bolt Pin	A182-F316	2
16	Bonnet Bolt	ASTM A193/GR B8	4
17	Name Plate	Aluminum	1
18	Packing	Grafoil Die Formed Center Rings and Braided Graphite Top & Bottom Rings	1 Set

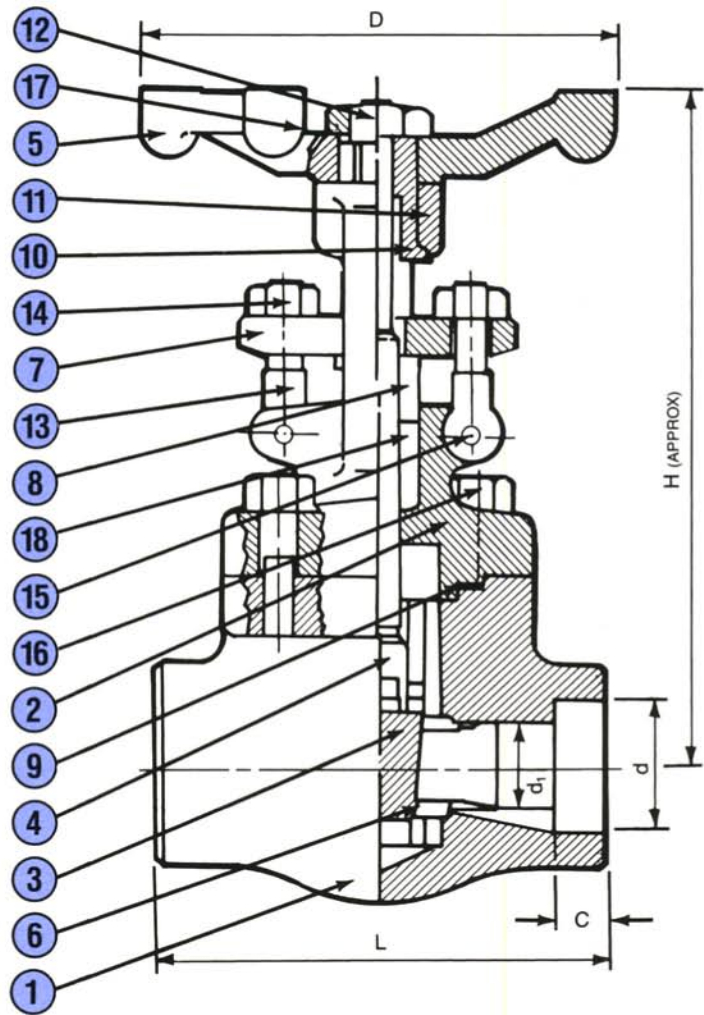


Fig. No. 8GT-6

Dimensions (Inches)

	SIZE				
	1/2"	3/4"	1"	1-1/2"	2"
d ₁	0.37	0.50	0.69	1.13	1.44
L	2.99	3.39	4.02	4.61	5.24
d	0.855	1.065	1.330	1.915	2.406
C	0.53	0.55	0.69	0.73	0.79
D	3.15	3.15	3.94	4.72	5.91
H	5.28	5.47	6.81	8.23	8.35
Wt. Lbs.	3.30	3.39	6.53	10.78	17.38

Cv Values

SIZE	Cv
1/2"	5.7
3/4"	8.2
1"	26.0
1-1/2"	60.0
2"	92.0

Performance (PSIG)

Working Pressure	800
Hydraulic Body Test	3000
Hydraulic Seat Test	2000
Air under Water	100

Pressure-Temperature Ratings for Class 800 Valves

Service Temperature(°)		Pressure Rating	
Fahrenheit	Celsius	Lbs./Sq. In. Gage	Megapascals
-20 to 100	-29 to 38	1,920	13.24
200	93.5	1,655	11.41
300	149	1,495	10.31
400	204.5	1,370	9.45
500	260	1,275	8.79
600	315.5	1,205	8.31
650	343.5	1,185	8.17
700	371	1,150	7.93
750	399	1,130	7.79
800	426.5	1,105	7.62
850	454.5	1,080	7.45
900	482	1,050	7.24
950	510	1,030	7.10
1,000	538	970	6.69

*We carry threaded in stock; modification to SW at additional charge

Forged Stainless Steel Globe Valves

800 lb. Rated/2000 PSI Cold, Non Shock
316 Stainless Steel Body, Bonnet and Trim
Reduced Port Design
Outside Screw and Yoke
Rising Stem and Handwheel
Bolted Bonnet
Threaded or Socket Weld* Ends: 1/2"-2"

NO.	NAME OF PART	MATERIAL	QTY.
1	Body	A182-F316	1
2	Bonnet	A182-F316	1
3	Disc	A182-F316	1
4	Stem	A182-F316	1
5	Hand Wheel	Ductile Iron	1
6	Wheel Nut	A182-F304	1
7	Seat	A182-F316	1
8	Packing Gland	A182-F316	1
9	Gland Flange	A182-F316	1
10	Sleeve	A276-410	1
11	Eye Bolt Pin	A182-F316	2
12	Eye Bolt Nut	A182-F304	2
13	Eye Bolt	A182-F316	2
14	Bonnet Bolt	ASTM A193/GR B8	4
15	Packing	Grafoil Die Formed Center Rings and Braided Graphite Top & Bottom Rings	1 Set
16	Gasket	Spiral Wound AISI 316 with Graphite	1

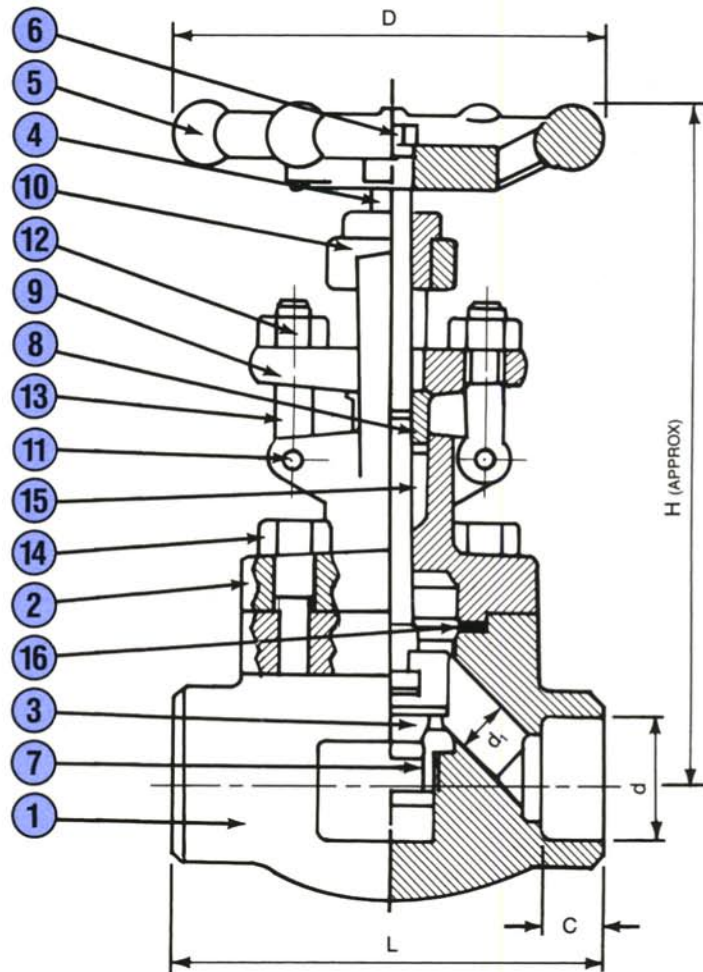


Fig. No. 8GL-6

Dimensions (Inches)

	SIZE				
	1/2"	3/4"	1"	1-1/2"	2"
d ₁	0.35	0.50	0.69	1.16	1.38
L	2.99	3.39	4.02	5.98	6.73
d	0.855	1.065	1.330	1.915	2.406
C	0.53	0.55	0.69	0.73	0.79
D	1.28	1.46	1.85	2.44	2.95
H	5.39	5.59	6.97	8.46	9.92
Wt. Lbs.	3.10	3.30	5.41	10.89	22.44

Cv Values

SIZE	Cv
1/2"	1.5
3/4"	2.4
1"	5.6
1-1/2"	21.0
2"	29.0

Performance (PSIG)

Working Pressure	800
Hydraulic Body Test	3000
Hydraulic Seat Test	2000
Air under Water	100

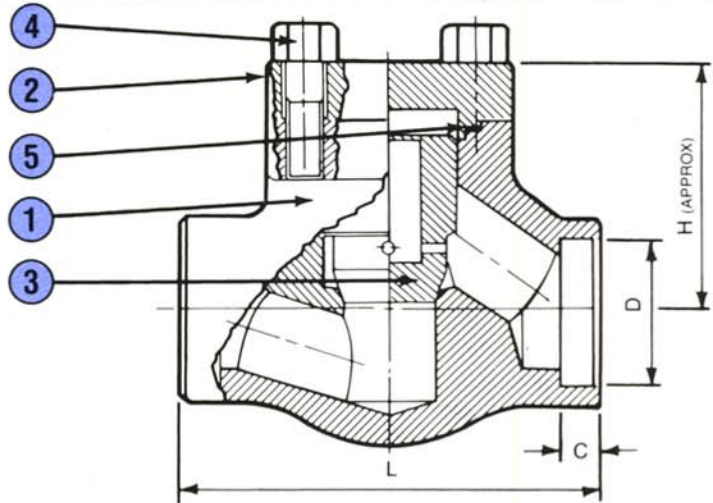


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**800 lb. Rated/2000 PSI Cold,
Non Shock
316 Stainless Steel Body,
Cap and Trim
Cap and Trim
Bolted Cap
Piston Type or
Swing Type
Threaded or Socket Weld*
Ends: 1/2"-2"**

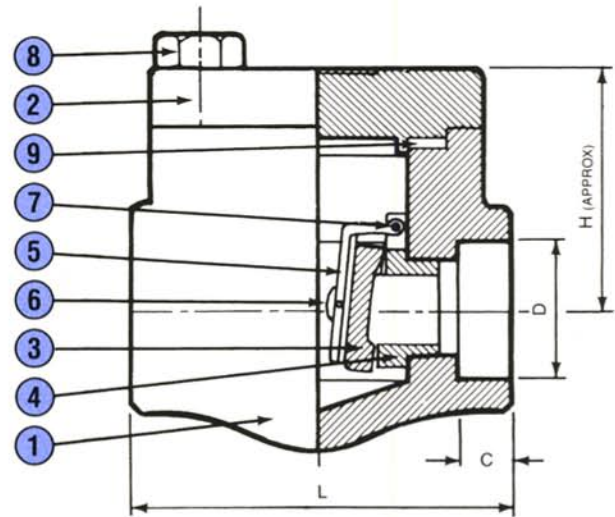


NO.	NAME OF PART	MATERIAL	QTY.
1	Body	A182 F316	1
2	Cap	A182 F316	1
3	Piston	A182 F316	1
4	Cap Bolt	A193 B8	4
5	Gasket	Spiral Wound AISI 316 with Graphite	1

	SIZE				
	1/2"	3/4"	1"	1-1/2"	2"
L	2.99	3.39	4.02	5.98	6.73
C	0.53	0.55	0.69	0.73	0.79
D	0.855	1.065	1.330	1.915	2.406
H	1.89	2.13	2.48	2.99	3.94
Wt. Lbs.	2.20	2.64	3.74	7.48	15.40

SIZE	Cv
1/2"	2.6
3/4"	4.3
1"	6.5
1-1/2"	28.0
2"	35.0

Working Pressure	800
Hydraulic Body Test	3000
Hydraulic Seat Test	2000
Air under Water	100



NO.	NAME OF PART	MATERIAL	QTY.
1	Body	A182 F316	1
2	Cap	A182 F316	1
3	Disc	A276 316	1
4	Seat Ring	A276 316	1
5	Arm	A276 316	1
6	Disc Nut	A276 316	1
7	Hinge Pin	A276 316	1
8	Cap Bolt	A193 B8	4
9	Gasket	Spiral Wound AISI 316 with Graphite	1

	SIZE				
	1/2"	3/4"	1"	1-1/2"	2"
L	2.99	3.39	4.02	4.61	5.24
C	0.53	0.55	0.69	0.73	0.79
D	0.855	1.065	1.330	1.915	2.406
H	1.89	2.13	2.48	3.39	4.02
Wt. Lbs.	2.02	2.02	3.12	9.24	15.40

The information contained herein is general in nature and is not intended for specific construction or application purposes. OIC reserves the right to make changes in specifications, designs or materials at any time without notice or obligation.

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