

Flow Line *Series 40*



Rising Stem Gate Valves

Sizes 2" - 48"

ENGINEERING

Flow Line **Series 40** Rising Stem Gate Valves are manufactured to the latest editions of API and ANSI standards. All valves are bi-directionally tested to API 598. Utilizing modern manufacturing and quality control procedures provides our customers with complete confidence of trouble-free operation throughout the life of the valve.

DIMENSIONS * For dimensions of unlisted sizes, please see your local distributor or visit our website at www.flowlinevalves.com.

Size	2"	2.5"	3"	4"	5"	6"	8"	10"	12"
D1	5.98	7.01	7.52	9.02	10	10.98	13.5	15.98	19.02
D2	4.75	5.49	6	7.5	8.5	9.5	11.75	14.25	17
D3	3.63	4.06	5	6.19	7.32	8.5	10.63	12.75	15
C	0.63	0.7	0.77	0.94	0.94	1	1.14	1.2	1.26
N-Ø	4-.71	4-.71	4-.71	8-.71	8-.71	8-.87	12-.87	12-1.02	12-1.02
f	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.16
L	7	7.5	8	9	10	10.5	11.5	13	14
H	16.14	19.29	21.65	24.8	29.84	33.86	41.34	49.21	59.06
Do	9.45	10.31	11.02	12.6	13.5	14.17	15.75	17.72	22.05

WEIGHT

2"	42	4"	104	8"	264
2.5"	64	5"	130	10"	418
3"	73	6"	168	12"	638

HOW TO ORDER

Series	Size	ANSI	Flange	Body	Gate	Shaft	Seat	Operator
1	2	3	4	5	6	7	8	9

1	Series
40	OS&Y

2	Valve Size
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0012	1/2"
0034	3/4"
0010	1"
0112	1.5"
0020	2"
0025	2.5"
0030	3"
0040	4"
0050	5"
0060	6"
0080	8"
01000	10"
01200	12"
01400	14"
01600	16"
01800	18"
02000	20"
02400	24"
03000	30"
03600	36"
04200	42"
04800	48"

4	Flange
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1	Raised Face
2	Ring Joint
3	Flat Face
4	Butt-Weld
5	Treads Ends
6	Socket Weld

5	Body
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2	Ductile Iron
4	ASTM A351 Gr. CF8M
5	216 WCB
6	C95800 Bronze
7	Duplex 2250
8	Super Duplex 2207
9	A105N

3	ANSI	WOG
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0	125	
1	150	
2	300	
3	600	
4	900	
5	1500	
8		800

6	Gate
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2	A216 WCB
3	410 / HF
4	ASTM A351 Gr. CF8M
6	Bronze B62
7	Duplex 2250
8	ASTM A105+.CR13

7	Shaft / Packing
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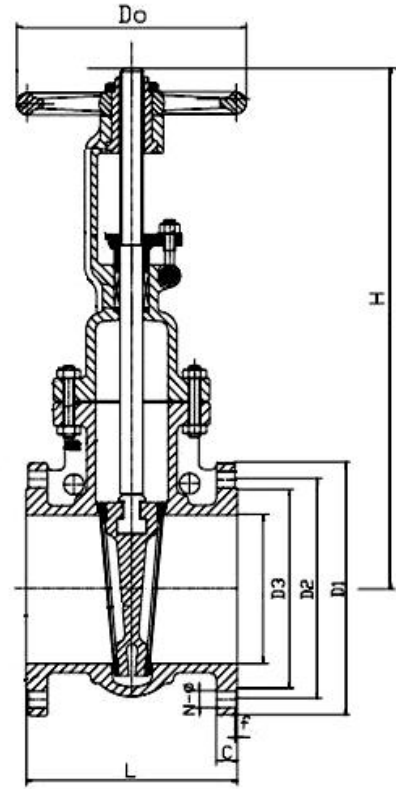
1	A182 F6a / PTFE
2	2205 Duplex / PTFE
3	A276-304 / PTFE
4	416SS / PTFE
5	316SS / PTFE
6	410 / PTFE
7	A276-316 / PTFE
8	A276-304L / PTFE
9	A276-316L / PTFE
A	A182 F6a / Graphite
B	2205 Duplex / Graphite
C	A276-304 / Graphite
D	416SS / Graphite
E	A276-410 / Graphite
F	A276-316 / Graphite
G	A276-304L / Graphite
H	A276-316L / Graphite

8	Seat
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3	Stellite®
4	ASTM A351 Gr. CF8M
5	A216 WCB
6	Bronze B-62
7	Duplex 2205
8	ASTM A105+.CR13
9	A105N

9	Operator
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O	None
1	Hand Wheel
2	Chain Wheel
3	Electric Actuator
4	Pneumatic Actuator



Design Standard	API 600, API 6D
Face to Face	ANSI B16.10, API 6D
Flange Dimension	ANSI B16.5, ASME B16.47
Test Pressure	API 598, API 6D
Marking	ANSI B16.34
	MSS-SP-25

TESTING: API 598		
Shell	Hydro	450 psi
Seat	Air	80 psi
Back Seat	Hydro	315 psi

PRESSURE/TEMPERATURE RATINGS			
Temp °F	WCB	Temp °F	WCB
-20 to 100	285	700	110
200	260	750	95
300	230	800	80
400	200	850	65
500	170	900	50
600	140	950	35
650	125	1000	20

Flow Line

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www.flowlinevalves.com
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*Note: Stellite® is a registered trademark of Kennametal Stellite Company.

Flow Line also offers the choice of Iron Body or WCB Body with Bronze Trim.

EXAMPLE:

4" Gate Valve
 Rising Stem
 ANSI 150

Raised Face
 WCB Body
 .CR13 Gate

416 SS Shaft
 .CR13 Seat
 Hand wheel

Series	Size	Trim
40	0040	1158481