

FC Type Manual Gate Valve



- Bore Sizes: 1-13/16" ~ 4-1/16"
- Pressure Rating (psi): 5K, 10K, 15K
- Flanged Connection
- Temperature Rating: L-X
- PSL 1-3
- PR1 / PR2

Trim Option

API 6A Classification	Body / Bonnet	Stem	Gate	Seat
AA-General Service	4130	4130	4130 / TC	4130 / nitrided
BB-General Service	4130	4130	4130 / TC	Stellite / 410
CC-General Service	410	410	410 / TC	Stellite / 410
DD-Sour Service	4130	4130/QPQ	4130 / TC	Stellite / 410
EE-Sour Service (0.5 - 1.5 - NL)	4130	17-4/QPQ	410 / TC	Stellite / 410
FF-Sour Service (NL)	410	718/QPQ	410 / TC	Stellite / 410
HH-Sour Service (NL)	Alloy steel clad with alloy 625 or solid CRA	CRA	CRA hard face	CRA hard face

Technical Data

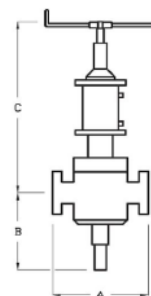
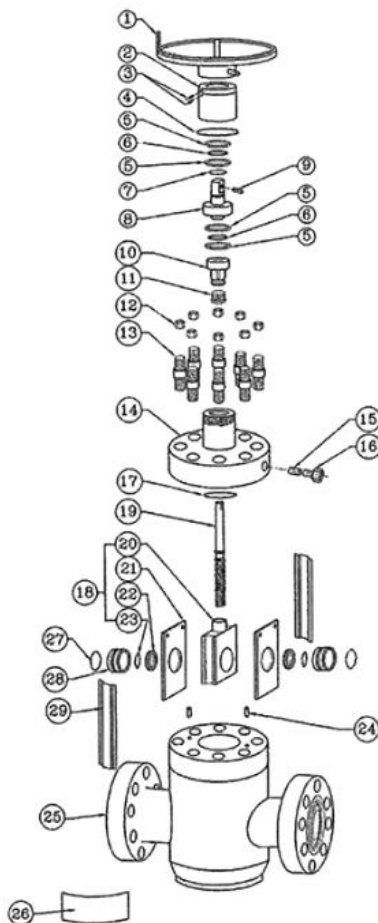
Valve size and pressure rating	Bonnet Nut Torque (ft - lb)	Max Open Torque (ft - lb)	Total Number of Turns	Grease Volume Required (cu - in)	Weight (lb)
1-13/16" 10k	399.6	81.4	12	40	241
1-13/16" 15k	551.3	125.8	12	40	322
2-1/16" 5k	187.2	44.4	12	40	17
2-1/16" 10k	399.6	85.1	12	40	285
2-1/16" 15k	551.3	155.4	12	40	333
2-9/16" 10k	551.3	133.2	15	80	369
2-9/16" 15k	959.7	266.4	16	90	550
3-1/8" 5k	399.6	96.2	18	110	334
3-1/16" 10k	737.1	170.2	18	110	489
3-1/16" 15k	1531.1	336.7	16	150	767
4-1/16" 5K	551.3	133.2	23	245	562
4-1/16" 10k	1223.2	318.2	23	250	822
4-1/16" 15k	1531.1	451.4	29	250	1175

- EZY-Turn® body fill for Temp Rating P-X
- EZY-Turn® #3 Arctic for Temp Rating L-U

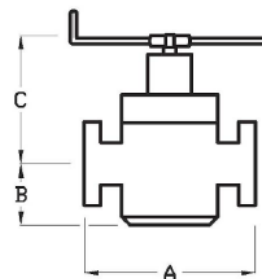
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Main Components

#	DESCRIPTION	QTY
1	Handwheel	1
2	Bearing Cap	1
3	Grease Fitting	2
4	O-Ring	1
5	Bearing Race	4
6	Bearing	2
7	O-Ring (Stem Adapter)	1
8	Stem Adapter	1
9	Stem Pin	1
10	Packing Gland	1
11	Stem Packing	1
12	Nut	8
13	Stud	8
14	Bonnet	1
15	Check valve	1
16	Grease Fitting	1
17	Gasket	1
18	Gate / Seat Assy	1
19	Stem	1
20	Gate	1
21	Retainer Plate	2
22	Seat	2
23	Seat Seal	2
24	Pin	2
25	Body	1
26	Name Plate	1
27	Body Bushing Seal	2
28	Body Bushing	2
29	Gate Guide	2



HYDRAULIC



MANUAL

Dimensions

API 5,000 PSI		1-13/16"			2-1/16"			2-9/16"			3-1/8"			4-1/16"		
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
MANUAL		14-5/8"	5-5/8"	16-3/4"	16-5/8"	6-1/2"	18-1/8"	18-5/8"	7-5/8"	19-1/16"	21-5/8"	9-1/8"	20-11/16"			
HYDRAULIC		14-5/8"	14-1/2"	30-1/2"	16-5/8"	15-15/16"	33"	18-5/8"	17-1/4"	35-1/2"	21-5/8"	19-3/4"	40"			

API 10,000 PSI	1-13/16"			2-1/16"			2-9/16"			3-1/16"			4-1/16"		
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
MANUAL	18-1/4"	5-3/4"	17-5/8"	20-1/2"	5-7/8"	16-11/16"	22-1/4"	6-13/16"	18-1/8"	24-3/8"	8-1/16"	18-1/16"	26-3/8"	10-1/16"	20-15/16"
HYDRAULIC	18-1/4"	14-1/4"	30-1/2"	20-1/2"	14-1/2"	30-1/2"	22-1/4"	15-15/16"	33"	24-3/8"	17-1/4"	36-7/8"	26-3/8"	19-3/4"	44"

API 15,000 PSI	1-13/16"			2-1/16"			2-9/16"			3-1/16"			4-1/16"		
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
MANUAL	18"	5-13/16"	17-11/16"	19"	6-1/8"	21-1/8"	21"	7-1/2"	21-13/16"	23-9/16"	9-1/4"	25-15/16"	29"	11-11/16"	27-3/4"
HYDRAULIC	18"			19"	14-1/2"	35-3/8"	21"	15-1/2"	42-1/2"	23-9/16"	20-1/16"	50-1/8"	29"	26-3/8"	45-3/4"