



# MCM OIL TOOLS

Q U A L I T Y • D E L I V E R Y • P R I C E

*Gate Valves for  
Drilling &  
Production*

*Manual and  
Hydraulic*

*Pressures up to  
15,000 PSI for  
Various Sizes*

*Meets or  
Exceeds API 6A  
Standards &  
NACE  
MR-01-75*

*Internal parts  
are completely  
interchangeable  
with CIW*



6A-0566

## Cameron Style 'FC' Gate Valve



- Manifolds
- Gate Valves
- Check Valves
- Chokes

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## THE FC ADVANTAGE

- The model FC gate valve is a field proven valve which provides reliability and interchangeability.
- The FC valve has bi-directional sealing and a non-rising stem making it ideally suited for drilling manifolds, x-mas trees, and severe service.
- No special tools are needed to change gate and seat assembly.
- The stem pin protects the stem and internal parts from failure by shearing if the handwheel is over torqued.
- One piece gate helps to prevent line sediment from entering the body cavity and prevents pressure locks when the upstream pressure drops.
- A wide range of body and trim materials to meet various operating conditions.
- Easily equipped with hydraulic actuators for manifold or subsea service.
- Meets or exceeds API 6A Standards.



API 6A Material Classification	Body & Bonnet Material	Stem	Gate	Seat
AA-General Service	Low alloy steel	AISI 4130	AISI 4130 nitrided	AISI 410 SS
BB-General Service	Low alloy steel	AISI 410 SS	AISI 410 nitrided	Stellite
CC-General Service	AISI 410 SS	AISI 410 SS	AISI 410 nitrided	Stellite
DD-Sour Service	Low alloy steel	AISI 410 SS	AISI 4130 nitrided	410 SS
DD-Sour Service - Super Trim	Low alloy steel	AISI 410 SS	AISI 4130 hard-faced	Stellite
EE-Sour Service	Low alloy steel	AISI 410 SS	AISI 410 hard-faced	Stellite
FF-Sour Service	AISI 410 SS	AISI 410 SS	AISI 410 hard-faced	Stellite

As defined by NACE Standards MR-01-75

Notes: Specifications are subject to change without notice. Special trims are available upon request.

*Quality*

*Delivery*

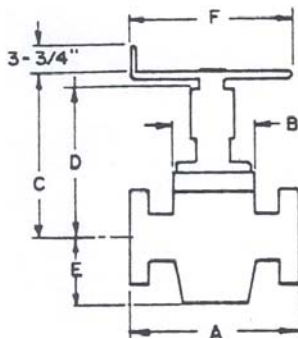
*Price*



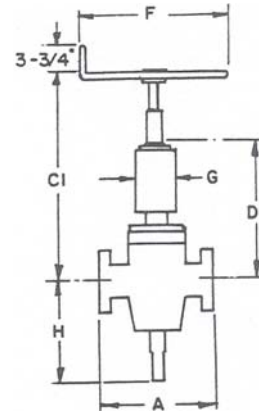
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## CIW FC STYLE

### GATE VALVE DIMENSIONS



**MANUAL**



**HYDRAULIC**

API 5,000 PSI	2-1/16"	2-9/16"	3-1/8"	4-1/16"
A FLANGED	14-5/8"	16-5/8"	18-5/8"	21-5/8"
A LP. THD	10-5/8"	12-3/8"	13-5/8"	
A TBG. THD.	10-5/8"	12-3/8"	13-5/8"	
B	7"	8-3/16"	9-1/4"	10-13/16"
C	17-3/8"	18-1/8"	19-1/16"	20-11/16"
C1	30-1/2"	33"	35-1/2"	40"
D	15-1/8"	15-15/16"	16-13/16"	18-7/16"
D1	20-7/8"	22-1/4"	23-5/8"	25-3/4"
E	5-5/8"	6-1/2"	7-3/8"	9-1/8"
F	14"	14"	18-1/2"	18-1/2"
G	8"	8"	8"	8"
H	14-1/2"	15-15/16"	17-1/4"	19-3/4"
WEIGHT (manual only)	182 lb.	255 lb.	360 lb.	545 lb.

API 10,000 PSI	1-13/16"	2-1/16"	2-9/16"	3-1/16"	4-1/16"
A FLANGED	18-1/4"	20-1/2"	22-1/4"	24-3/8"	26-3/8"
B	9-1/16"	9-3/8"	9-13/16"	10-1/4"	12-13/16"
C	17-3/8"	17-3/8"	18-1/8"	18-1/16"	20-15/16"
C1	30-1/2"	30-1/2"	33"	36-7/8"	44"
D	15-1/8"	15-1/8"	15-13/16"	16-7/8"	20-15/16"
D1	20-7/8"	20-7/8"	22-1/4"	25"	25-3/4"
E	5-3/4"	5-7/8"	6-13/16"	8-1/16"	10-1/16"
F	14"	18-1/2"	18-1/2"	24"	24"
G	8"	8"	8"	8-5/8"	10-3/4"
H	14-1/4"	14-1/2"	15-15/16"	17-1/4"	19-3/4"
WEIGHT (manual only)	270 lb.	275 lb.	485 lb.	680 lb.	1057 lb.



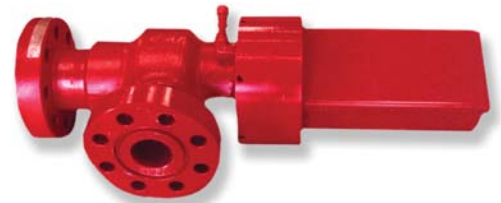
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**CHOKE & KILL MANIFOLD**



**MANUAL CHOKE  
CAMERON STYLE 'H2' TYPE**



**HYDRAULIC DRILLING CHOKE  
CAMERON STYLE**



**CHECK VALVE  
CAMERON STYLE 'R' TYPE**



**W-K-M VALVE**



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