

Choke Manifold

Choke Manifold consists of four manual valves (five if a bypass valve is included) and is used to control the flow rate and reduce well pressure before the flow enters the processing equipment. The CMF also includes an adjustable choke, a positive choke, and several pressure or sampling ports to monitor pressure or fluid characteristics. The CMF design allows the well to flow, through positive chokes for flow rate reference as well as adjustable chokes. Dual flow paths allow fast choke changes without interrupting the flow.

APPLICATIONS

- ▶ Surface well testing
- ▶ Cleanup after drilling or workover operations
- ▶ Flowback after stimulation or workover operations



FEATURES & BENEFITS

- ▶ Reduce effluent pressure before entering process equipment
- ▶ Fast choke changes without interrupting the flow
- ▶ Control flow with a calibrated orifice for flow rate reference
- ▶ Two flow paths, one through a positive choke, and one through an adjustable choke that can be converted to a positive choke



MAIN SPECIFICATION

Model	CMF-80-35	CMF -78-70	CMF -78-105	CMF-103-70
Design Code	API Spec. 6A, API Spec. 16C & NACE MR 0175			
Service	Oil & Gas, H ₂ S Service			Sweet Service
Valve Type	FC Type Gate Valve			
Number of Valves	4 or 5			
W. P (psi)	5000	10,000	15,000	10,000
W. T	P – U			
ID (in. [mm])	3 - 1/8 [79]	3 - 1/16 [78]	3 - 1/16 [78]	4-1/16 [103]
Inlet Connection	3" Fig. 602 M	3" Fig. 1502 M	3" Fig. 2202 M	4" Fig. 1002 M
Outlet Connection	3" Fig. 602 F	3" Fig. 1502 F	3" Fig. 2202 F	4" Fig. 1002 F
Miscellaneous	1/2"NPT c/w needle valves, pressure gauge, thermometer			
Options:				
Choke Beans	Size 4/64ths-64/64ths, in 4/64ths Increments Size 70/64ths-128/64ths, in 8/64ths Increments			
Pressure gauge	0-20,000 psi			
Thermometer	0-350°F			

