

CFI CHOKES DATA SHEET

TECHNICAL NOTES:

Manufactured by Control Flow, Inc./Flocon Products, Inc.
 Plant 9201 Fairbanks North Houston Road
 Mailing P. O. Box 40788, Houston, Texas 77240-0788

RANGE: Nominal Bore: 1-13/16" to 6"
 Pressure Rating: 2,000 PSI WP to
 15,000 PSI WP

TRIMS: Standard H₂S, CO₂ and Special
MODELS: Type CH2 Adjustable Choke
 Type CH2 Positive Choke
 Multi-Flow Choke
 LH-94 Adjustable Choke
 LH-94 Mark 1 Hydraulic Choke

DESIGN PROFILE:

Manufactured in accordance with API Latest Edition, Certificate Number API 6A-0101, CFI chokes are field proven with outstanding performance in drilling and production operations. Angle body, needle type tip (adjustable models) and seat. Bodies and yokes are forged API 75K material. Models available with either hammer lug type or flanged connections. For positive chokes "bean" insert sizes are in 64ths. Maximum orifice sizes are provided in quotation description for the adjustable chokes.

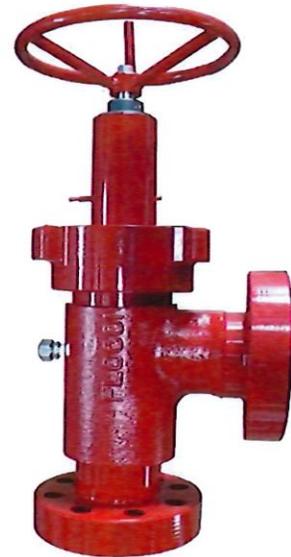


Figure 1 CFI CH2 Choke

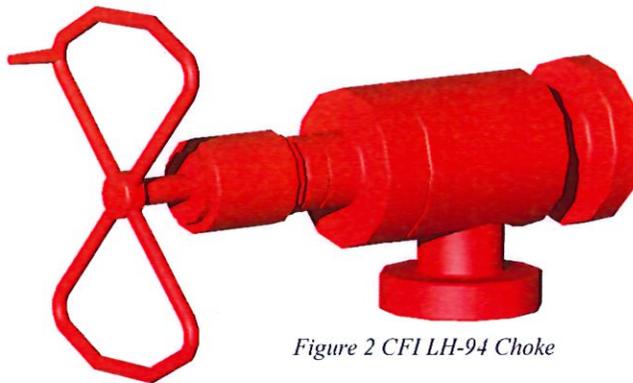


Figure 2 CFI LH-94 Choke

Control Flow/Flocon Products

Taming Drilling and Production Pressures Worldwide

Contact a Control Flow, Inc. sales representative for further detailed information

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MULTI-FLOW MULTIPLE ORIFICE CHOKE

OPERATION:

FLOCON Multiple Orifice Choke has two adjacent discs, each with a set of circular orifices which regulates the Flow. Mating surfaces of these discs have a very fine surface finish. Standard discs are made of ceramic material. Discs are also available in Tungsten carbide for highly erosive, corrosive, and high pressure drop conditions.

One disc is held fixed in the valve body, while another one is rotated with the help of an actuator, either reducing or enlarging the Flow area, depending on the direction of rotation. Flow area does not have any interference; allowing solid particles pass through easily. This reduces wear on the discs, enabling it to produce accurate Flow rate for longer service life. A second set of wearing edges may be used by rotating the disc in another direction. This feature gives an even longer service life between replacing the discs.

OPTIONS:

FLOCON MULTI-FLOW Chokes can be supplied with manual bar handle, or pneumatic piston-type actuator.

FLOW CHARACTERISTIC:

For most of the useful Flow area to be used, this design permits nearly proportional change in Flow area and change in fluid passing through it. This makes it suitable in applications such as high pressure drops, liquid level controls, and for throttling abrasive fluids.

APPLICATIONS:

PRODUCTION MANIFOLD - To maintain pressures and control Flow rates in oil and gas production.

INJECTION CHOKES - Used in CO² injection into the wells to speed up oil recovery. Chokes control Flow rates and maintain pressure so that fluid can be injected into the well.

WATER FLOOD - Chokes maintain pressure in water flooding operations in order to extract more oil and extend the service life of the well.

GAS LIFT - Chokes maintain pressures and control gas Flow rates by injecting gas into the well in gas lifting operations.

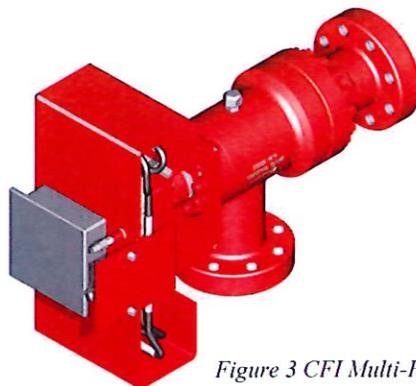


Figure 3 CFI Multi-Flow Choke