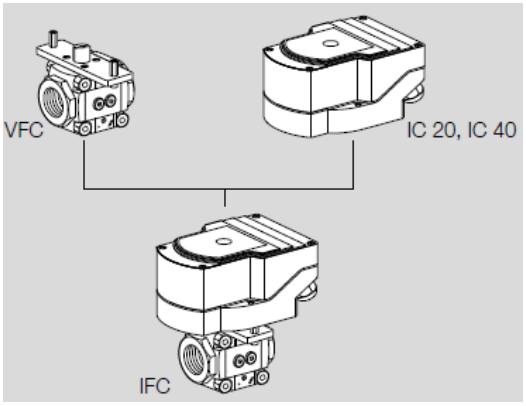
Kromschröder Linear Flow Controls



Features

The standard Kromschroder linear flow valve (KIFC) is designed to adjust volumes of gas and cold air on various appliances. The valve-actuator combination is designed for control ratios up to 25:1. The combination uses Kromschroder's VFC linear valve and IC20/IC40 linear actuators.

The actuators are designed for 120VAC 50/60 Hz operation and controlled by a continuous 4-20mA or 0-10V signal to regulate flow rates for combustion processes. The IC40 actuator offers additional functions, with its parameters adjustable using the BCSoft programming software via an optical interface. This allows the IC40 actuator's running time, angle of rotation, and intermediate positions to be programmed and adjusted.

Additional key attributes of these valve-actuator combinations include low leakage rates and high control accuracy. The standard Kromschroder linear flow valve comes equipped with ISO 7005 flanges, with pipe thread flanges available separately as optional components.

Alternate actuator power, signal, and torque options are available upon request.

Optional Components

- Pipe Thread Flanges, 3/8"-2.5" NPT
- Test Ports

Pressure Rating

- 7.25 psi maximum

Temperature Rating

- -4°F to 140°F (-20°C to + 60°C)

Cylinder Size	Part Number with IC20	Part Number with IC40	Capacity cfh Natural Gas	Pressure Drop @1 psi Inlet
8	KIFC 20-08	KIFC 40-08	345	4"
15	KIFC 20-15	KIFC 40-15	925	4"
20	KIFC 20-20	KIFC 40-20	1975	4"
25	KIFC 20-25	KIFC 40-25	2500	4"
32	KIFC 20-32	KIFC 40-32	3925	4"
40	KIFC 20-40	KIFC 40-40	7000	4.2"

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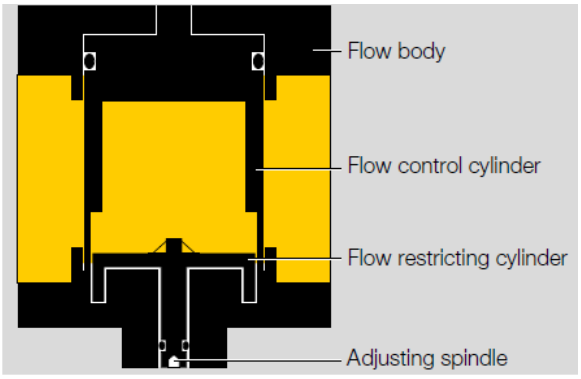
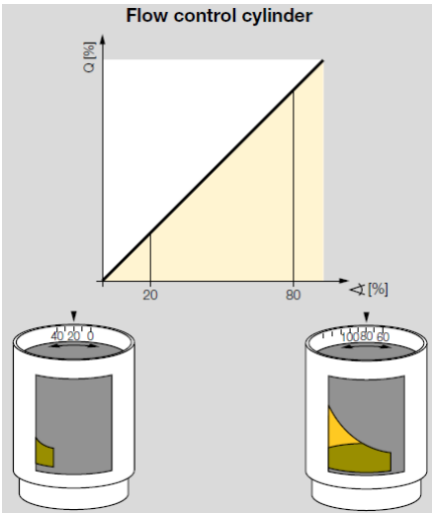
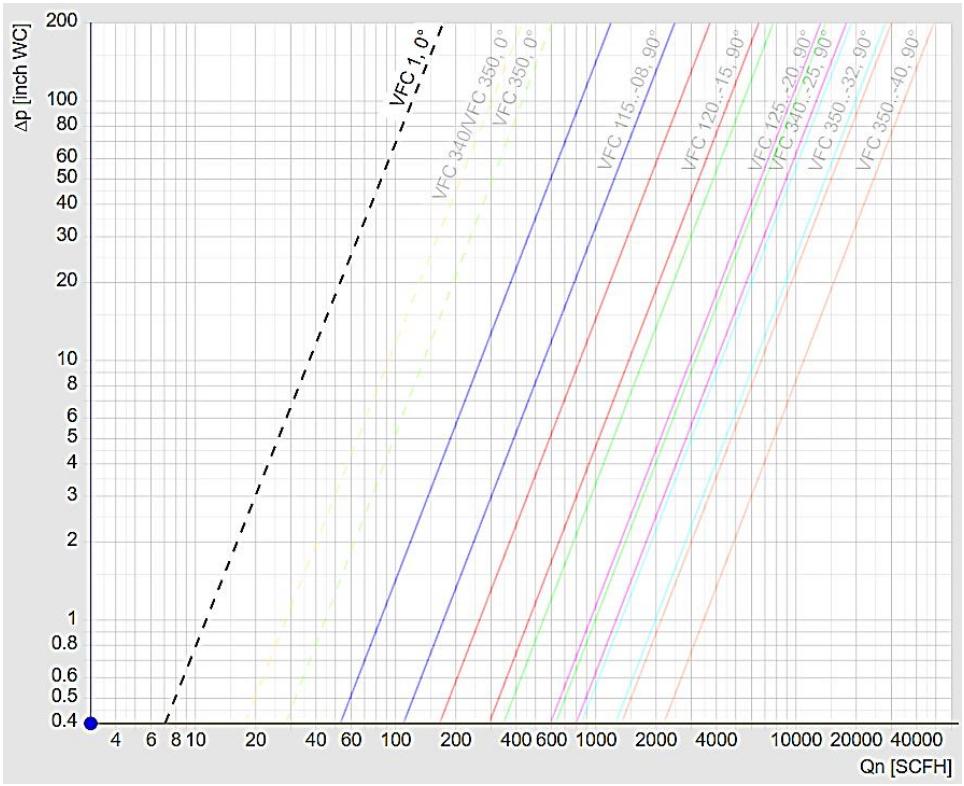




The linear flow control VFC uses the rotary valve principle. A flow control cylinder with an opening specifically designed for linear flow is installed in the flow body. The flow control sets the desired flow rate by being turned. The maximum flow can be limited in broad ranges by means of a flow restricting cylinder, allowing optimum adaptation to the capacity required without limiting control quality. Adjustment is carried out using an adjusting spindle.

Flow Rate Characteristics



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