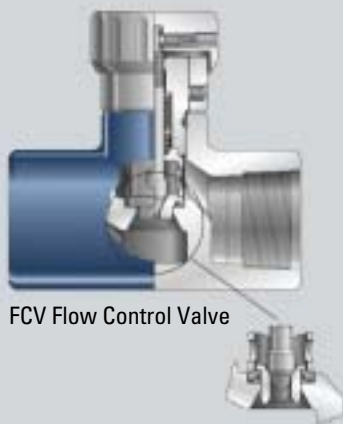


FCV Series Flow Control Valves

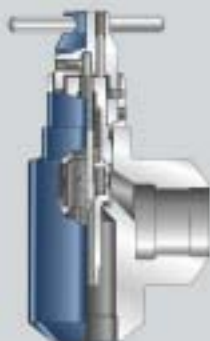
Schlumberger

FCV series flow control valves are manually adjusted valves designed to provide repeatable settings. Available in 1- and 2-in. [25.4- and 50.8-mm] body sizes and a wide range of body and trim configurations, these valves feature a valve

FCV-series valve and outlet configuration with high-temperature option.



FCV Flow Control Valve



FCVT High-Temperature
Flow Control Valve

adjusting cap that is calibrated in sixty-fourths of an inch increments for accurate setting. The valve stem packing gland is equipped with Teflon[®] packing for a positive seal and minimum maintenance. Threaded and butt-weld connections are rated for 5000 psi [34,475 kPa] and socket-weld connections for 3600 psi [24,822 kPa].

FCV series flow control valves are designed to operate in any position and to resist the effects of vibration on the selected setting. Their construction allows easy inspection or replacement of internal components without removing the valve from the line. Type 316, 410, or duplex stainless steel bodies, and stainless steel handles and indicator rings are available for corrosive service.

Valve trim and seats are available in stainless steel, hard chrome, or tungsten carbide materials. The valve and seat sizes available are 1/8, 1/4, 1/2, or 3/4 in. [3.2, 6.4, 12.7, or 19.1 mm].

FCVT high-temperature flow control valves are designed for steam injection or other high-temperature gas or liquid service. Rated for 3500-psi [24,133-kPa] working pressure at 700°F [371°C], these 2-in. [50.8-mm] angle body valves feature 1/4-, 1/2-, or 3/4-in. [6.4-, 12.7-, or 19.1-mm] stainless steel, hard chrome, or tungsten carbide long-throat trim and high-temperature packing.

The FCVT valve series is available with flanged, threaded, or butt-welded end connections. The high-temperature configuration is also available in an adjustable choke valve model (ACVT-5).

Applications

- Oil, gas, and water service
- Steam injection and high-temperature service

Benefits

- Internal component replacement without removing valve from service

Features

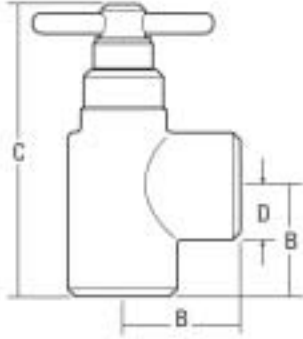
- Valve adjusting cap is designed to provide repeatable settings.
- Valve trims, seats, and bodies are available in various materials.
- Operates in any position.



Flanged Angle Body 2A

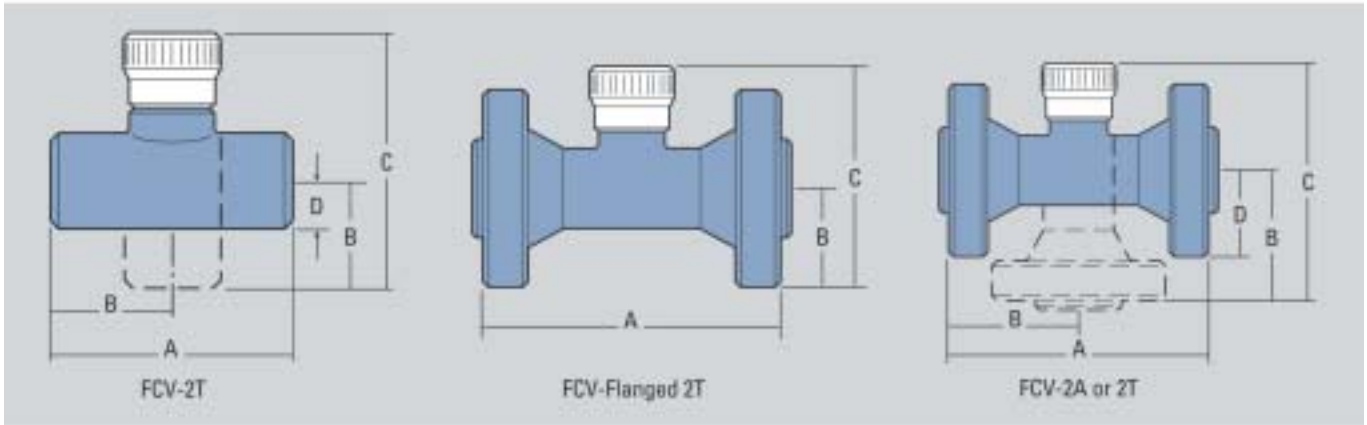
Through Body 2T

Threaded Angle Body 2A



FCVT Dimensional Data

End Connections (Type)	B (in. [mm])	C (in. [mm])	D (in. [mm])
Schedule 80 butt weld	3.370 [85.6]	10.000 [254.0]	1.720 [43.7]
Threaded			



FCV-2T

FCV-Flanged 2T

FCV-2A or 2T

Dimensional Data for FCV-2T, FCV-Flanged 2T, and FCV-2A/2T Valves

End Connections (Type/Size)	Dimensions (in. [mm])												Approximate Weight (lbm [kg])				
	A			B			C			D			1	2	2X		
	1	2	2X	1	2	2X	1	2	2X	1	2	2X					
Threaded	6.300 [160.0]	7.800 [198.1]		2.950 [74.9]	3.900 [99.1]		7.900 [200.7]	8.810 [223.8]									
Butt weld 160	5.000 [127.0]	6.750 [171.5]		2.500 [63.5]	3.370 [85.6]		7.450 [189.2]	8.650 [219.7]									
Socket weld																	
Series 150 RF	5.120 [130.0]	9.000 [228.6]			4.500 [114.3]		7.510 [190.8]	9.780 [248.4]									
Series 150 RF		10.000 [254.0]		5.000 [127.0]				10.280 [261.1]									
Series 600 RF	8.500 [215.9]	11.500 [292.1]	11.500 [292.1]	4.250 [108.0]	5.750 [146.1]	5.750 [146.1]		11.030 [280.2]	9.650 [245.1]								
Series 600 RJ		11.620 [295.1]			5.810 [147.6]			11.090 [281.7]									
Series 1500 RF		14.500 [368.3]	11.620 [295.1]		7.250 [184.2]	5.810 [147.6]	9.200 [233.7]	9.950 [252.7]	9.710 [246.6]								
Series 1500 RJ		14.620 [371.3]			7.310 [185.7]			9.950 [252.7]									
Series 900 RF		14.500 [368.3]	14.500 [368.3]		7.250 [184.2]	7.250 [184.2]		12.530 [318.3]	11.250 [285.8]								
Series 900 RJ	10.000 [254.0]			5.000 [127.0]			9.950 [252.7]										
API 3000		14.620 [371.3]	14.620 [371.3]		7.310 [185.7]	7.310 [185.7]		12.590 [319.8]	11.210 [284.7]								
API 5000																	

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