

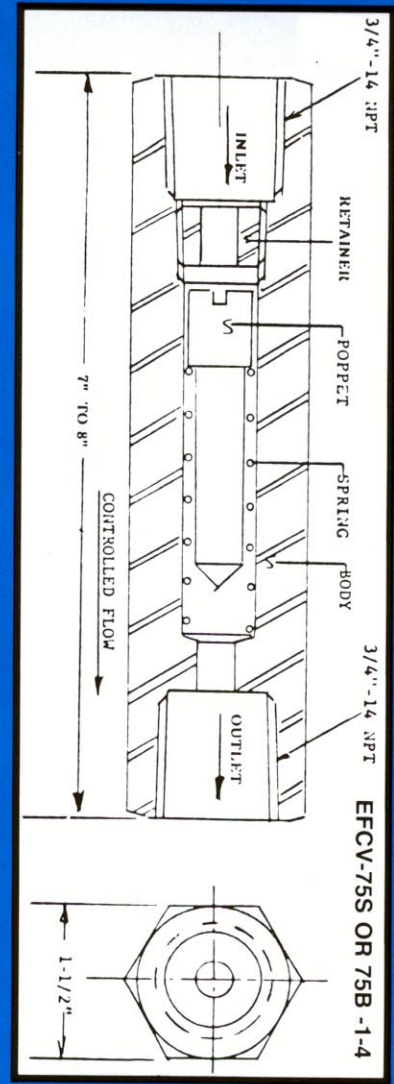
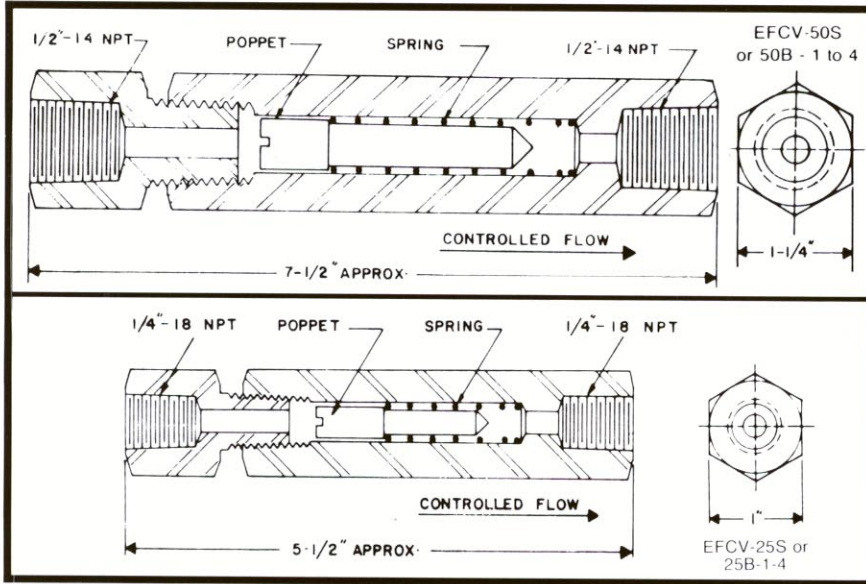
CHEMIQUIP

STANDARD FLOW

EXCESS-FLOW CHECK VALVE

(HYDRAULIC FUSE)

*DELIVERS POSITIVE, AUTOMATIC SHUT OFF
WHEN SELECTED FLOW RATE IS EXCEEDED*



*PROTECTS AGAINST LINE OR INSTRUMENT RUPTURE
PREVENTS UNCONTROLLED FLOW OF LIQUID*

Standard Values feature stainless steel or brass construction with 3/4" NPT (EFCV-75 series), 1/2" NPT (EFCV-50 series) or 1/4" NPT (EFCV-25 series) female connections.

Maximum Operating Pressure --- Brass: 6,000 PSI
Stainless Steel 10,000 PSI

Flow rates of .1-40GPM custom designed upon request.

CATALOG NUMBER						SHUT OFF FLOW (GPM WATER)	MAX PRESSURE DROP TO CLOSE (PSI)	HEX SIZE	LENGTH
STAINLESS STEEL (EFCV-)		BRASS (EFCV-)							
-25S-0	-50S-0	-75S-0	-25B-0	-50B-0	-75B-0	0.25	2.5	1" (EFCV-25)	5 1/2" (FCV-25)
-25S-1	-50S-1	-75S-1	-25B-1	-50B-1	-75B-1	0.50	2.5	1 1/4" (EFCV-50)	7 1/2" (EFCV-50)
-25S-2	-50S-2	-75S-2	-25B-2	-50B-2	-75B-2	1.00	5.0	1 1/2" (EFCV-75)	7" (EFCV-75)
-25S-3	-50S-3	-75S-3	-25B-3	-50B-3	-75B-3	2.00	5.00		
-25S-4	-50S-4	-75S-4	-25B-4	-50B-4	-75B-4	5.00	7.50		
-25S-5	-50S-5	-75S-5	-25B-5	-50B-5	-75B-5	7.50	7.50	1 1/2" (EFCV-25)	
-25S-6	-50S-6	-75S-6	-25B-6	-50B-6	-75B-6	10.00	15.00	1 1/2" (EFCV-50)	
								1 3/4" (EFCV-75)	

Custom Designed Valves to meet your requirements in terms of the following;

1. Liquid and gas to be accommodated.
2. Gas flow-rate which must not be exceeded.
3. Operating temperature and pressure.
4. Size and style of ports required.
5. Material of construction.
6. Up to 2" Flanged connections.

To find the shut off flow for liquids other than water, divide the water shut off flow by the square root of the liquid specific gravity.

EXAMPLE: Using EFCV-25S-4 what would be the shut off flow for an oil whose specific gravity is 1.3?

EXAMPLE: EFCV-25S-4 has a water shut off flow of 5.0 GPM

SOLUTION: Shut off flow for the oil is $\frac{5.0}{\sqrt{1.3}} = 4.4$ GPM