Flo-Tite, Inc.
Valves & Controls

SIZING INFORMATION FOR CONTROL VALVES

1. Type of media (i.e. liquid, gas, or steam): _____

2. What type of calculation, Cv required given the flow rate through the valve, flow rate given the Cv:

_____

3. Flow rate, GPM, PPH: _____

4. Inlet PSI to valve: _____

5. Out PSI from valve: _____

6. Inlet temperature to valve: _____

7. Specific gravity at valve: _____

8. Media vapor pressure: _____

9. Media critical pressure: _____

10. Pipe size to valve: _____

11. Pipe size from valve: _____

Valve Torque Factors for Non-Standard Applications:

When valve pipe size is determined, published valve torques can be found in the tech bulletin for each model in the valve catalog or on this website.

When sizing actuators attention must be given to the application as the media will affect the valve torque, this must be considered and adjusted for each application.

Application	Factor (Multiplier)
Lubricating Media	.8
Frequent Cycling in Clean Media (more than once per hour)	.8
Infrequent Cycling (less than once per week)	1.6
Saturated Steam	1.2
Natural Gas (Raw)	2.0
Gas (Clean & Dry)	1.2
Liquid (Not filtered) (Raw river water)	1.8
Chlorine	1.5

V-Type control valve flow coefficient CV charts can be found on tech bulletin pages 120, 121, 122, and 123