

Flow Coefficient (Cv)

What is it?

Why is it important?

How do I calculate it?

In the valve world, flow coefficient (Cv) is a measure of the valve's efficiency at allowing fluid flow. The type and sizing of a valve has an important influence on the performance of the assembly for transferring gas or liquids in a system.

The formula for calculating a Cv is:

$$C_v = Q \sqrt{\frac{G_f}{\Delta P}}$$

In order to simplify complex physics lessons touching on the various properties of liquids specifically, Milwaukee Valve has added a Cv calculator to our website.

This valuable tool allows you to gauge the pressure drop (the difference in pressure upstream and downstream of the valve, and the valve Cv required given the flowrate and allowable pressure drop. This leads to a standard calculation to compare valve capacities and sizing for a wide range of applications.

Click on the button below to be taken to the Milwaukee Valve Cv calculator.



For questions on valve selection and sizing related to your application, please contact your sales representative or regional manager by clicking [HERE](#).



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