RCV
Research Control® | ReCo® Valves

RCVcalc makes valve sizing easy.

Nobody knows your process better than you! RCVcalc is a robust software tool that adapts to the process requirements of your application and guides you through sizing the right control valve for virtually any application. Rely on RCVcalc to help you select the ideal valve for your next project — efficiently, accurately and confidently.

Intuition

Built with intelligence and 60+ years of valve experience, RCVcalc is simple to use, featuring easy data entry, adaptive selection and meaningful output.

System Optimization

RCVcalc provides real-time system alerts (cavitation and operational alarms), allowing you to create scenarios with operating points to better define system limitations and improve valve selections.

Media Customization: Gas, Liquid, Bi-Phase or Steam

With over 2000 various media built into RCVcalc, we are excited to provide an extremely accurate and versatile tool to help you develop your system. It has automatic phase identification with standard media and also provides you the opportunity to create a custom medium to better reflect your system parameters.

RCVcalc
Powered by **CONVAL®**

Intuitive software for efficient, accurate and confident valve sizing and configuration.

Badger Meter

Research Control® Valves & Positioners

RCVcalc Valve Sizing Software

Trim Characterization Optimization

RCVcalc allows you to see the operation's set points and to review various trims and characteristics which are filtered to your application.

Cavitation and Choked Flow Identification

The powerful fluid dynamics tools within RCVcalc help you make intelligent selection decisions.

Non-Turbulent Flow Conditions

For low flow calculations, RCVcalc implements enhanced formulas to cover transitional and laminar flow situations.

Valve Selection

RCVcalc analyzes real-time scenarios to review different trims and different control points taking into account the rangeability of each innervalve.

Unit Configurability

RCVcalc allows the user to enter process data in a wide range of different units. In addition, a separate unit converter is included.

Fluid Dynamics Equations

If you are already using the RefProp package from NIST, RCVcalc will add this information into our extensive database of substances. This will allow the RCVcalc to take advantage of thermodynamic equations of various fluid states providing higher accuracy for high pressure and/or low temperature applications.
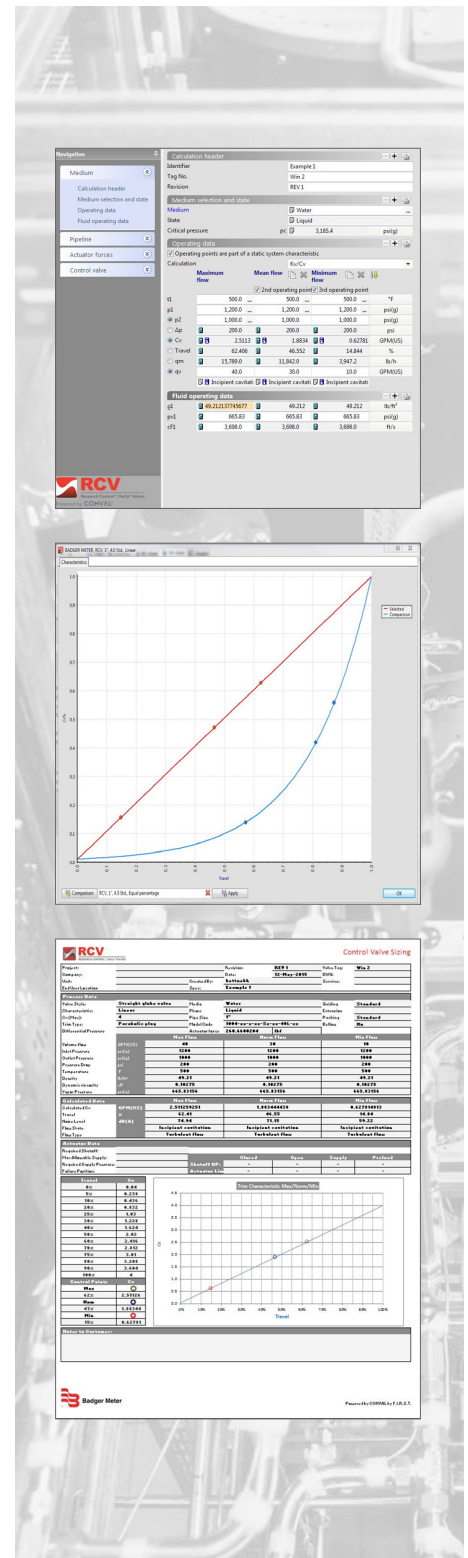
Context-Sensitive Help

RCVcalc Help is with you step by step to ensure you understand each field.

Calculated and ISA Data Output

Specifications entry, selection and output is made simple with common easy-to-read outputs set out in a standard format.

Actuator Forces

RCVcalc calculates the actuator shut-off forces taking into account the packing friction and the shut-off class.

For more information visit: **www.badgermeter.com/RCVcalc**

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