

# CLA-VAL | Tools of the trade...

Software solutions for control valve applications



**Cla-Val Company's of Software Solutions Series for control valve applications in waterworks and fire protection systems includes the following proprietary programs.**

**Cla-CAV** Cla-CAV is a tool for analyzing pilot operated control valves for potential cavitation and cavitation damage at the full range of flows and pressures, allowing the designer to see the benefits of adding Ko Anti-Cavitation Trim.

**Cla-REG** Cla-Reg is a design tool for sizing both the CRD-L Direct Acting and 90 Series Pilot Operated Pressure Reducing Valves. Well established rules are followed to prevent problems such as cavitation damage and noise and excessive velocity. When pressure drop is too high or flow range is too wide, the program automatically places valves in series and/or in parallel to perform over the entire design range.

**Cla-AV** determines the best sizes and placement of air valves in pipelines. The Analysis section first displays the entire pipeline with air valves located and sized for a default Filling scenario. A graphic chart is generated, showing settings for the type of air valve analysis and specific adjustment for each scenario, such as filling velocity, and air valve model.

**Cla-FIRE** provides a quick and easy sizing analysis for Cla-Val Direct Acting Factory Set Pressure Regulating Valves in fire protection systems. A second version, **Cla-FIRE ADJ**, was developed for the new Adjustable Direct Acting Series PRVs. Both enable the user to quickly evaluate the best options for each valve to ensure compliance with NFPA 13 & 14 and/or UL requirements.

**Cla-QUICK** is a valve sizing tool based on information in Cla-Val Engineering Data Sheets. Suggested possible sizes are shown to meet the given flow and pressures in both full and reduced port valve models. The user can then select the best option for the particular valve application. The program is compact enough to be used on both Apple and Android phones using downloadable Microsoft Excel.