

Title:

Hands on Your Control Valves: Function, Maintenance, Troubleshooting, and Management

Course Description for Program:

Engineers and operators alike will learn the “ins” and “outs” of hydraulic control valves. This discussion begins with basic hydraulics and how hydraulics automatically operate control valves to manage system pressure. The 6-hour hands-on session will demonstrate valve and pilot internals, troubleshooting, maintenance, and managing a complete control valve system.

CEU Relevancy Statement:

Control valves and maintenance are a vital aspect of a functioning water system. Proper understanding, maintenance, and design practices will aid to ensure proper valve performance and prevent valve failure which affects system reliability, community safety, resource (water) protection, and resource conservation. Hydraulic control valves especially remain a mystery to many engineers and operators. This class is designed to build a fundamental familiarity with valve function and hydraulic piloting systems.

Trevor Cole Bio:

Trevor Cole holds a Bachelor of Science in Business Management from Metropolitan State University in Denver Colorado and brings over seven years of sales experience to his field. With extensive training in valve hydraulics and dynamic functions, he specializes in collaborating with municipalities and engineers to support the design and selection of valves for complex systems. Trevor’s combined business acumen and technical expertise enable him to deliver effective, customized solutions across diverse infrastructure projects.

Patrick Miller Bio:

Patrick Miller has spent the last year in intensive training in valve dynamics and hydraulics. He works with the Cimco-GC Systems’ Cla-Val Service Team rebuilding, inspecting, and troubleshooting control valves. He meets regularly with engineers to aid with valve design and selection. Patrick continues to support water and wastewater utilities with their specialty valves, pipe locating, and freeze protection.