

**APCO SURGE CHECK VALVES (CSV)  
SUGGESTED SPECIFICATION**



**APPLICATION DATA 1600.01-1**  
December 16, 2015  
Supersedes Specification in  
Bulletin 613; July, 2011

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Surge Check Valves shall be APCO model CSV as manufactured by DeZURIK, Inc.

The Surge Check Valve shall be a normally open, spring loaded valve consisting of a body, seat and plug. The valve is normally bolted to the inlet of the Air/Vacuum Valve. Surge Check Valve shall have a field proven design to provide an automatic reduction of surge pressure in the valve.

Surge check shall operate on the interphase between the kinetic energy and relative velocity flows of air and water. It will allow air to pass through but water shall actually close the surge check, reducing the rate of water flow by means of throttling orifices in the plug to prevent shock closure of the Air/Vacuum Valve.

Surge check orifices shall be adjustable type to suit operating conditions in the field.

Two Year Warranty shall be provided for all valves.