

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

APPLICATION DATA 1600.01-1
April 2023
Supersedes December 2015



Surge Check Valves shall be APCO model CSV 1600A as manufactured by DeZURIK, Inc.

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

The Surge Check Valve shall operate on the interphase between the kinetic energy in the 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 may be threaded to allow field adjustment of flow in the field.

Two Year Warranty shall be provided on valves by the manufacturer for defects in materials and workmanship from the date of shipment.