



DCV DIAPHRAGM CHECK VALVES

-INNOVATION & QUALITY-

Our line of diaphragm check valves are designed specifically for use in vacuum-based chlorine or sulfur dioxide gas feed systems. Archer Instruments DCV check valves offer the highest level of reliability in preventing water from flooding critical system components, such as meter panels and vacuum regulators. We've incorporated a long proven design from existing ejector check valves and employed only the highest quality materials of construction.

The design of the DCV check valve provides a compact footprint, allowing for simple installation in either hard-piped or flexible tubing vacuum lines. The DCV can also be attached directly to the vacuum port on any ejector using standard PVC pipe fittings.

DCV Key Features:

- Spring-loaded, normally closed design... means they can be installed in any orientation
- Internal diaphragm & seating o-ring are a proprietary fluoroelastomer, designed specifically for chlorine & sulfur dioxide applications
- PVDF (Kynar) check valve seating surface
- Hastelloy-C check valve spring
- Extremely simple design allows for easy disassembly and maintenance
- Available with 1/4" or 1/2" NPT connections for gas feed systems up to 500 PPD (10 kg/hr)



Shown above: DCV-250
-installed in tubing line



Shown above: DCV-100
-installed in rigid PVC piping