



Hale Products, Inc. Service Bulletins

Bulletin#: SB115

Revision#: A

Date: 6/17/2011

Product Type Covered: Hale Pump ☒

Product Covered:

Hale 3-inch Victaulic Check Valve (P/N538-1780-01-0)

Problem Statement:

Improper installation of the Hale 3-inch Victaulic Check Valve can cause failure of the valve disc.

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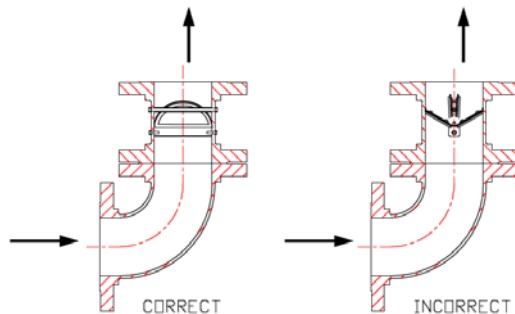
Body of the Bulletin

When the 538-1780-01-0 check valve is installed there should be a minimum of five (5) pipe diameters between components upstream and downstream of the check valve for proper valve operation. Insufficient space between components does not allow laminar flow to develop resulting in increased maintenance and possible seal failure.

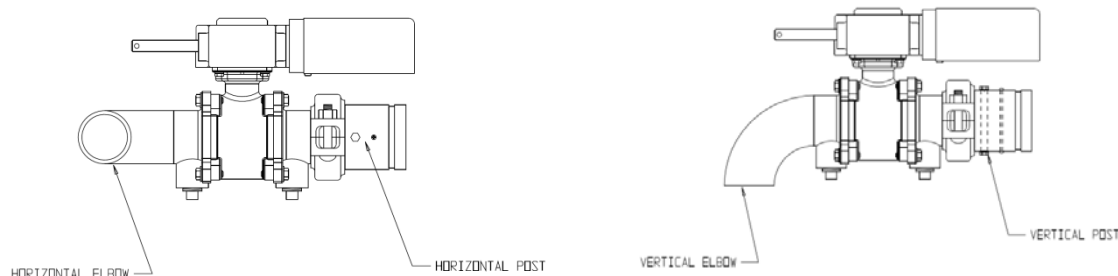
Normally when there is sufficient space that allows five pipe diameters before and after the check valve, the check valve is oriented with the "center post" in the vertical position when installed in a horizontal piping run. When installed in vertical piping runs the orientation of the center post does not matter. The position of the post can be determined by observing the bolts mounting the internal components.

In cases where the check valve is positioned less than five pipe diameters downstream of an elbow, the valve must be mounted so that the "center post" is oriented parallel to the centerline of the horizontal pipe. Such positioning will ensure equal loading of the valve plates with respect to the velocity of the liquid through the elbow.

The illustrations below show the correct and incorrect orientation of the check valve center post in relation to the horizontal (inlet) branch of the elbow



The next pictures illustrate positioning of the check valve in the Hale Auto-fill system.



In determining if there is an issue do a visual inspection of the check valve orientation. If the center post is in the correct position as illustrated, no further action is necessary.



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If the check valve center post is not oriented correctly the valve should be removed and inspected for damage. If the valve is showing damage a new valve, Part Number 538-1780-01-0, should be ordered from Hale Products. The valve should be reinstalled in the system making sure the center post of the valve is positioned correctly.

If you have additional questions or require technical assistance with inspecting or replacing the Check Valve please contact Hale Products customer service department at 610-825-6300.
Thank you for your attention in this matter.