

Valmatic Series 7200 SurgeBuster Check Valve Specification

Scope:

The Check Valve shall be furnished in sizes 4 inch through 36 inch, suitable for a cold working pressure of 150 psig for fluid systems.

Design:

The Series 7200 SurgeBuster Check Valve shall be of the full flow area, swing type with ANSI B16.1, Class 125 flanges. Closure shall be spring assisted by an independent leaf spring to close the valve rapidly in high, static head applications. All components including the disc, disc pins and spring shall be internal and shall not penetrate the valve body. The disc seating position shall be on a 45-degree angle.

Materials:

The body and bolted cover shall be ASTM A536 Grade 65-45-12 ductile iron. The disc and hinge pin shall be fully encapsulated with Buna-N. The spring shall be ASTM A666, Type 302 spring steel.

Manufacture:

The top access port shall be full size, allowing removal of the disc without removal of the valve from the line. The access cover shall be domed in shape to provide flushing action over the disc for operation in lines containing high solids content. A threaded port with pipe plug shall be provided in the access cover to allow for field installation of a mechanical, disc position indicator.

A threaded port with pipe plug shall be provided on the bottom of the valve to enable the installation of a screw-type backflow actuator.

The interior and exterior of the valve shall be coated with an NSF-61 fusion bonded epoxy. The valve body shall be hydrostatically tested at 1.5 times the rating and seat leak tested at the rated pressure with zero leakage. The manufacturer shall demonstrate a minimum of five (5) years experience in the manufacture of high service check valves. The Check Valve shall be Series 7200 as manufactured by Val-matic Valve & Mfg. Corporation, Elmhurst, IL, as supplied by Syntec Process Equipment Ltd.