FLEX CHECK VALVE OPERATION & MAINTENANCE MANUAL

SERIES 851

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FLEX CHECK VALVE

INSTALLATION

When installing the Flex Check, the direction of flow should be noted. The arrow on the bonnet indicates the direction of flow of the line media. The Flex Check is designed for flow in either a horizontal or vertical (flow upward) environmental. When using the Flex plane to insure shutoff.

For longest service life it is suggested that the valve be installed five to ten pipe diameters from any turbulence producing devices such as pumps, etc…

Flex Checks have ANSI B16.1 flat-faced 125/150 flanges. Standard ANSI B16.21 flanges and gaskets should be used to install the Flex Check in the pipeline. Certain size valves utilize tapped holes where a backing nut is not possible. Please check specific drawings for detailed information on sizes and quantities of hexagon head cap screws required on these valves.

OPERATION

The Flex Check is designed to have extremely simple operations. As long as valve is positioned correctly no operational functions are necessary.

MAINTENANCE

The only moving portion of the Flex Check is the flexible disc member. Should this component be torn due to service conditions it can easily be removed and replaced.

First, the line should be shut down and drained, if possible. The bottom threaded pipe plug can be removed to aid in liquid removal if required. The bonnet can now be taken off by removing all bonnet fasteners. The bonnet should now be lifted, taking care not to damage the elastomer gasket, which should be reused. The flexible disc member can now be lifted out of the valve. The new flexible disc should be installed in the same location with reassembly in the reverse order from above.