Proflo LTD.

Duckbill Check Valves

The Quietest Check Valve You've Never Heard!

The "duckbill" check valve concept has been in use for over 100 years but has only recently found wide spread industrial use in process piping systems and waste and storm sewer piping.

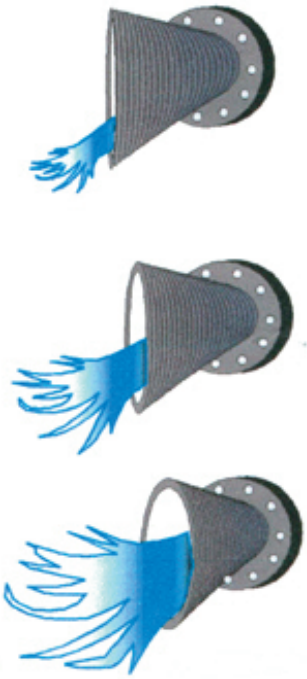
The flexible sleeve provides maximum flow with a minimum pressure drop across the valve at all times.

The Elasto-Valve Series CP Check Valve is a fabric reinforced rubber "duckbill" sleeve manufactured with top quality materials which are highly resistant to wear and corrosion caused by continuous operation with abrasive slurries, sludge or efflent.

The simple one-piece "duckbill" sleeve eliminates the mechanical components and intrusive body structures that create problems with conventional check valve designs.

There are no mechanical parts that can freeze, corrode, bind or otherwise inhibit the valve's smooth operation, unlike conventional check valves and flap gates which require frequent maintenance to replace worn seats, hinge pins,balls or flappers.

Available in slip-on, flanged or in-line styles, the Series CP Check Valves can be utilized in a variety of applications.



The principle of operation is simple,upstream pressure in the valve forces the opposable lips or "Duckbill" apart thereby permitting flow. As the pressure or flowincreases the lips spread further, allowing increased flow, this feature also permits solids to pass unhindered and provides low pressure loss.Back pressure or reverse flow then squeezes the lips together, preventing backflow. The construction of this simple device is the same as our pinch valves, so that even with some wear the sleeve will still function properly, and will even seal around entrapped solids.

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