



The Check Valve People

Engineering Specifications for the 700 Series ProFlex Check Valve

SERIES 700 CHECK VALVES
Specification 700-710/730/740/720

GENERAL

ProFlex elastomeric check valves shall be used on all equipment as called out by Engineers, in drawings, or contractor's requirements. Standard materials of construction will be NSF61 approved Nitrile tube with a NSF61 approved Nitrile cover.

Other high quality material may be specified and used depending on service conditions.

SUBMITTALS

- A. Submit product literature that includes information on the performance and operation of the valve, materials of construction, flow data, dimensions and weights, elastomer characteristics, head loss data, and pressure ratings.
- B. Shop Drawings will be available upon request that clearly identify specific valve dimensions.

QUALITY ASSURANCE

- A. Manufacturer shall have at least fifteen (15) years experience in the production of "Duckbill" style elastomeric valves.
- B. Manufacturer shall have compatibility with ISO 9000 standards.
- C. Manufacturer shall perform hydraulic tests on valves through 48" for flow capacity, head loss, and jet velocity at a qualified flow test laboratory. Manufacturer shall provide test data upon request.

PRODUCTS

DUCKBILL ELASTOMERIC CHECK VALVES

A. Check Valves are to be of an all rubber design operated check type with a slip-on or flanged connection. The Check Valve will either be manufactured to slide over the outside diameter of a pipe and attached by means of vendor furnished stainless steel clamps, or flanged and drilled to suit Customer supplied specifications.

The inlet area shall taper to a duckbill, which shall allow flow in one direction only.

The valve shall be a one piece rubber construction with appropriate reinforcement.

All check valves will be supplied with a straight bill portion which will allow lower head pressures.

B. Company name and location, valve size and serial number shall be bonded to the check valve.

C. All check valves shall be manufactured in the United States of America. A single producer shall provide all elastomer duckbill check valves.

FUNCTION

A. When internal pressure inside the valve exceeds the backpressure being exerted on outside of the valve by a definite amount; the internal pressure opens the valves bill and allows media to flow out. When backpressure surpasses the internal line pressure by at least the same amount, the bills of the valve will close and remain that way until the internal pressure is again greater.

IMPLEMENTATION

Installation, Operation. and Maintenance (IOM's) manual will be utilized to ensure proper installation has been performed, Each manual will be specific to the style chosen, and will clearly define any maintenance issues.

MANUFACTURER'S CUSTOMER SERVICE

A. Manufacturer's authorized representative shall be available for customer service during installation and start-up, and will be available to train personnel in the operation, maintenance and the unlikely possibility of troubleshooting the valve.

B. Factory customer service will also be readily available in addition to authorized representatives for assistance during installation and start-up, and to train personnel in the operation, maintenance and the unlikely likelihood of troubleshooting the valve.

MANUFACTURER

All valves shall be of the Series 700 as manufactured by Proco Products, Inc. of Stockton California or approved equal.

CHECK VALVES WHICH MEET THIS SPECIFICATION

Proco Series 700 Style 710 and 730 slip on and flanged check valves and the inline Style 720 and 740

Request Further Information: www.procoproducts.com