

11269.3 SERIES 35 FLANGED-END CHECK VALVES

PART 1 GENERAL

1.01 SUBMITTALS

- A.) Submit product literature that includes information on the performance and operation of the valve, materials of construction, dimensions and weights, elastomer characteristics, headloss and flow data, and pressure ratings.
- B.) Upon request, provide shop drawings that clearly identify the valve dimensions.

1.02 QUALITY ASSURANCE

- A.) Supplier shall have at least fifteen (15) years experience in the manufacture of "duckbill" style elastomeric valves, and shall provide references and a list of installations upon request.
- B.) Manufacturer shall have performed hydraulic tests on valves through 48" for flow capacity, headloss, and jet velocity at an accredited flow laboratory. Manufacturer shall provide test data upon request.
- C.) Upon request, manufacturer shall provide installation data for existing valves of similar size and type to the project scope.

PART 2 PRODUCTS

2.01 "DUCKBILL" ELASTOMERIC CHECK VALVES

- A.) Duckbill Check Valves are to be all rubber and the flow operated check type with a flanged end connection. The port area shall contour down to a duckbill which shall allow passage of flow in one direction while preventing reverse flow. The flange and flexible duckbill sleeve shall be one piece rubber construction fabricated of NSF61 approved elastomers with nylon reinforcement.
- B.) The flange drilling shall conform to ANSI B16.1 Class 125/ANSI B16.5, Class 150 standards. The valve shall be furnished with stainless steel back-up rings for installation.
- C.) Company name, plant location, valve size and serial number shall be bonded to the check valve. Elastomeric duckbill check valves shall be manufactured in the United States of America. A single manufacturer shall supply all duckbill check valves.

2.02 FUNCTION

- A.) When line pressure inside the valve exceeds the backpressure outside the valve, the line pressure forces the bill of the valve open, allowing flow to discharge. When backpressure exceeds the line pressure, the bill of the valve is forced closed preventing backflow.

2.03 MANUFACTURER

- A.) All valves shall be of the Series 35 as manufactured by the Red Valve Co., Inc. of Carnegie, PA 5106 or approved equal.

11269.3 SERIES 35 FLANGED-END CHECK VALVES

PART 3 EXECUTION

3.01 INSTALLATION

- A. Valve shall be installed in accordance with manufacturer's written Installation and Operation Manual and approved submittals.

3.02 MANUFACTURER'S CUSTOMER SERVICE

- A.) Manufacturer's authorized representative shall be available for customer service during installation and start-up, and to train personnel in the operation, maintenance and troubleshooting of the valve.
- B.) Manufacturer shall also make customer service available directly from the factory in addition to authorized representatives for assistance during installation and start-up, and to train personnel in the operation, maintenance and troubleshooting of the valve.