

HEDFLEX SPECIFICATIONS

SCOPE

- 1.1 Submit product literature that includes information on the performance and operation of the valve, materials of construction, dimensions and weights, elastomer characteristics, head loss data, and pressure ratings.

QUALITY

- 2.1 Supplier shall have at least ten (10) years experience in the manufacture of “duckbill” style elastomeric valves, and shall provide references and a list of installations upon request.
- 2.2 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.
- 2.3 Upon request, manufacturer shall provide installation data for existing valves of similar size and type to the project scope.

DESIGN

- 3.1 J&S HedFlex Duckbill Check Valves are to be all rubber and the flow operated check type with a slip-on or flange type connection. The Check Valve is designed to slip over the specified pipe outside diameter and attached by means of vendor furnished stainless steel clamps. The port area shall contour down to a duckbill, which shall allow passage of flow in one direction while preventing reverse flow. The valves shall be one-piece rubber construction with nylon reinforcement. In sizes 20” and larger, the bill portion shall be thinner and more flexible than the valve body, and formed into a curve of 180°.
- 3.2 The company name, plant location, valve size and serial number shall be bonded to the check valve.

FUNCTION

- 4.1 When line pressure inside the valve exceeds the backpressure outside the valve by a certain amount, the line pressure forces the bills of the valve open, allowing flow to pass. When backpressure exceeds the line pressure by the same amount, the bills of the valve are forced closed.

INSTALLATION

- 5.1 J&S HedFlex Duckbill Check Valves shall be installed in accordance with the manufacturer’s written Installation and Operation Manual and approved submittals.

CUSTOMER SERVICE

- 6.1 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.
- 6.2 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.

MANUFACTURER

- 7.1 Duckbill Check Valves shall be of the 9800 and/or 9900 HedFlex Series as manufactured by J&S Valve of Huffman, Texas or approved equal.