

SERIES 2600 AIR OPERATED PINCH VALVES

Specification #RV-2600

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, flow data, and pressure ratings.
- B.) Upon request, provide shop drawings that clearly identify the valve dimensions including all supplied accessories.

1.02 QUALITY ASSURANCE

- A.) Supplier shall have at least ten- (10) year's experience in the manufacture of pinch style valves, and shall provide references and a list of installations upon request.

PART 2 PRODUCTS

2.01 AIR OPERATED PINCH VALVES

- A.) Valves are to be of the pneumatically operated jacket pinch type with standard NPT threaded ends. Port area shall be 100% of the mating pipe port area through the entire valve length. The main body of the valve shall be completely protected from the process fluid by a flexible elastomer pinch sleeve.
- B.) The elastomer pinch sleeve shall be one piece construction with integral flanges locked in by a screwed end cover drilled to NPT pipe standard. The rubber pinch sleeve flanges shall have a molded O-ring, which shall fit into a mating O-ring groove machined into the valve metal body. Threaded end covers shall turn tightly down on the rubber flange to positively lock it in place.
- C.) Valve body shall be drilled and tapped for a pressure connection. Company name and location shall appear on the valve body. Valve shall be manufactured in the USA.

2.02 FUNCTION

- A.) To close the valve, air or hydraulic pressure is applied to the outside of the sleeve via the NPT connection tapped into the valve body. Required pressure is calculated as follows: $\text{Line Pressure} + 25 \text{ psi} = \text{Total Closing Pressure Required}$. With no pressure applied, sleeve will return to full open position.

2.03 MANUFACTURER

- A.) All valves shall be of the Series 2600 as manufactured by the Red Valve Co., Inc. of Carnegie, PA 15106 or approved equal.

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.