

TYPE R ALL RUBBER AIR OPERATED PINCH VALVES

Specification #RV-R

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, 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) years 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 slip-on 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. Air connection is to be provided by an integral schraeder valve.
- B. The entire valve shall be one piece construction with integral sleeve. Stainless steel end clamps for installing the valve shall be provided. Company name and location shall be 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 schraeder valve fitting (tire valve) molded into the outer body. Required pressure is calculated as follows: Line Pressure + 25 psi = Total Closing Pressure Required. With no pressure applied, valve will return to full open position.

2.03 MANUFACTURER

- A. All valves shall be of the Type R 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.