

TYPE A MEGAFLEX BURIED SERVICE AIR OPERATED PINCH VALVES

Specification #RV-AMEGAB

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, sleeve trim design, 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) 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 flanged joint ends. Port area shall be 100% of the mating pipe port area through the entire valve length. Valve body shall be drilled and tapped for a pressure connection on top of the valve. Valve body shall be fabricated steel and shall be furnished with two (2) hoisting eyelets.
- B. All internal valve metal parts are to be completely protected from the process fluid by a flexible elastomer pinch tube. The elastomer pinch sleeve shall be one piece construction with integral flanges drilled to be retained by the flange bolts. The pinch tube shall also be Nylon reinforced with an exterior wrapping of 1/8" thick Neoprene. Sleeve shall also be designed to slide in and out of the valve body. Valve shall be manufactured in the USA.
- C. The air actuated piping shall be stainless steel or copper, with the end to be terminated in a NEMA 4 X junction box containing a built in pressure regulator with gauge. The regulator shall be tagged with the station number and required air pressure. The regulator is to be set to $25 \pm$ psi above in-line pressure. The regulator input fitting shall be of the quick disconnect type. Sleeve shall be of Buna-N material. Working pressure shall be 50 psi maximum. Bursting pressure shall be 1 1/2 times the working pressure.

2.02 FUNCTION

- A. To close the valve, air or hydraulic pressure is applied to the outside of the sleeve via NPT connection(s) provided on the valve body. Required pressure is calculated as follows: Line Pressure + 30 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 A Megaflex 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.