



Member of Aveng Manufacturing DFC

## AIRFLEX AIR OPERATED PINCH VALVE Specification

### PART 1 SERVICE

#### 1.01 DESCRIPTION

- A. Pinch valve shall be designed to handle abrasive slurries and powders as well as corrosive liquids. High performance pinch valve design shall come with standard ASME B-16.10 face-to-face dimensions, reinforced elastomer tube with folds that flex not stretch when closing, and elastomer tube flange designed without bolt holes which allows in-line tube change.

### PART 2 PRODUCTS

#### 2.01 AIR OPERATED PINCH VALVES

- A. Valves are to be ductile cast iron or aluminum, sealed, fully enclosed, split body. Interior and exterior shall have corrosion resistant fusion bonded epoxy coating. Face-to-face dimensions should be ASME B-16.10 for all sizes and flange drilling shall be ANSI #150.
- B. Valve shall achieve bi-directional bubble tight, centerline closure at the maximum work pressure of 50 psi.
- C. Tube shall be constructed with polyester or stronger ply cords with non-stretch folds that flex, not stretch during closure. Tube flanges shall also contain an internal stainless steel ring, and have no bolt holes, to allow replacement without removing the valve from the pipeline.

#### 2.02 OPERATION

- A. Valve shall be air operated and shall open and close by the action of the air pressure in the void space between the elastomer tube and valve body.
- B. Valve shall provide shutoff at a working pressure of 50 psi, with plant air supply of 80 psi.

#### 2.03 MANUFACTURER

- A. All valves shall be aiRFlex, manufactured by RF Valves, Inc. of Hanover, MD or approved equal.

**RF VALVE®**

**aiRFlex®**

**VENT-D-MAT®**

**RF-SKG®**