Member of Aveng Manufacturing DFC

RF VALVES MANUAL 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 MANUAL OPERATED PINCH VALVES

A. Valves are to be ductile cast iron, 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.

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.

D. Pull Bars shall be constructed of 316 stainless steel and all fasteners shall be 304 stainless steel.

2.02 OPERATION

A. Valve shall be operated with a manual handwheel or handwheel with bevel gear.

B. The top pinch bar shall be raised and lowered by a center actuator shaft with polished, non-threaded surface. Lower pinch bar shall be raised and lower with two pull bars anchored to the actuator base plate extending through the valve body.

C. Permanent factory calibration of the pinching mechanism shall be provided with lock nut system on the pull bar extensions, including tamper indication seal. Valves requiring calibration after tube replacement shall not be permitted.

2.03 MANUFACTURER

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