



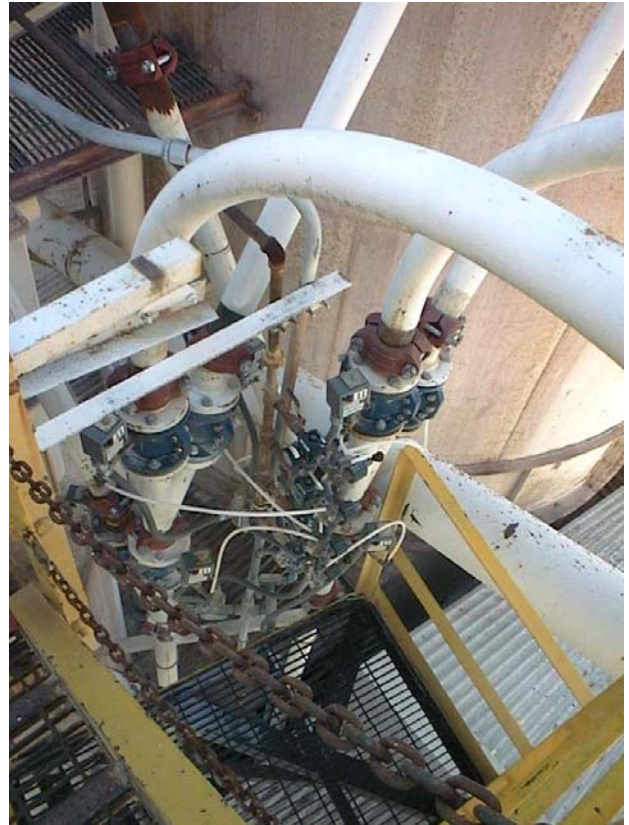
CASE STUDY

**Service: Abrasive Cement Slurries
& Powders**

**Problem: Commodity pinch valves
experience high wear and failure reducing
production.**

**Requirement: Longer operational life and
ease of maintenance**

**Cement slurry storage systems (right) and
pneumatic conveying of abrasive alumina
powder (below) and silica sand (lower
right) are 24 hr. service environments
where high performance aiRFlex® pinch**



**100% full port flow increases pumping
efficiency lowering energy costs. aiRFlex®
does not have valve stem, packing, seats
or seals that can be compromised during
operation as only the elastomer tube is in
contact with media. No mechanical parts
inside the valve means only the tube
needs to be replaced by removing one
half of the valve body, in-line. Powder
coated valve body inside and outside
resists corrosion in harsh chemical and
marine environments.**

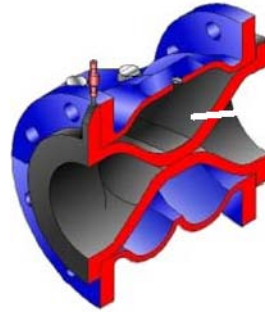


CASE STUDY

aiRFlex®

Applications for aiRFlex® pinch valve technology are found around the world from 48" & 54" ID valves for desalination plants in Dubai, (right) to high performance fire prevention systems (below, left), 20" irrigation bypass valves (lower, right) and abrasive slurry and powder services found in the mining, industrial minerals, chemical and wastewater treatment industries.

aiRFlex® innovation addresses the primary problem of elastomer wear by eliminating stress with a proven flexible fold tube design. This design increases elastomer tube life 2x – 4x that of conventional "straight sleeve" sleeves that must stretch extensively to close. aiRFlex® is becoming the preferred air-operated pinch valves for all industries requiring higher equipment availability, production and lower maintenance costs.



Patented
Non-Stretch
Tube

