

Zero Failures with Valley Rubber Inflatable Liners



Photos above: Extreme plugging due to the failure of a competitor's inflation system.

A concentrator plant in Mexico experienced issues in their Secondary Chute after installing an inflatable system from a Valley Rubber competitor. The upper liners were leaking, creating buildup in the chute which in turn continued to plug due to the poor inflation system. The control boxes were not reliable and required regular maintenance.

Valley Rubber's Solution

The customer installed Valley Rubber Inflatable Liners and control boxes in their concentrator plant. Four valves, out of the eight available, are currently in operation. If additional liners are needed in the future, the remaining valves could be used to service them.

The parameters set are different for each valve to suit various operational conditions.

Our Inflatable Liners have been installed for over a year with zero failures. In the last inspection, the chute was found to be 90% clean with only a slight buildup above the installed Dead Bed Bars at its base. The use of Inflatable Liners prevents the need for clean out and maintenance. Since Valley Rubber's liners have been installed with our control box, all previous issues with plugging have been solved.

Valley Rubber Inflatable Liners work best when installed in areas where there is high moisture content in the material. The programming in the control box regulates compressed air behind the rubber resulting in clean liners and the chutes free from buildup. They provide extensive periods of maintenance-free operation and are manufactured in customizable shapes, size and thicknesses to provide a custom solution.



Photos above: Valley Rubber's Inflatable Liners after 1 year in operation without failures.



Control Box Cabinets can be further customized with:

- Additional air outlets
- Lighting
- Heating
- Outside Controls
- Operation Indicators
- Remote Controls

Photo Left: Valley Rubber Control Box