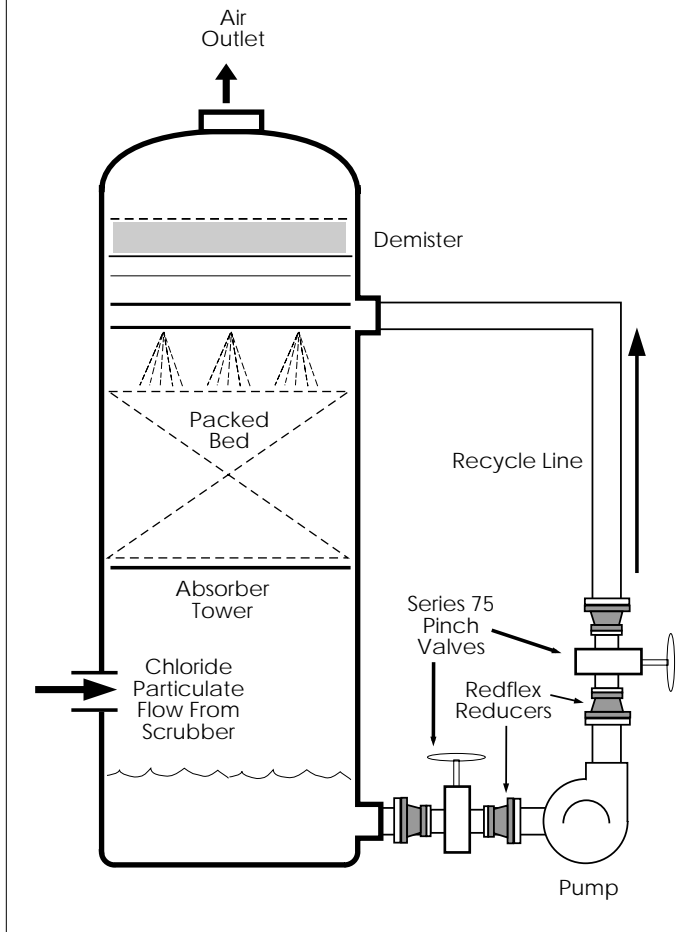


Application Data

Power ♦ Scrubber System ♦ Series 75 & Redflex™



RED VALVE PINCH VALVES AND REDUCERS USED IN SCRUBBER SYSTEM



In this highly corrosive scrubber system application, Red Valve Pinch Valves were chosen as the ideal solution for their piping and control needs.

For the most part, scrubber systems for power utilities maintain an average percentage of particulate around 8% to 10%. In this application, however, the percentage of particulate was approximately 1% to 3%. Though this would not seem to be a difficult application due to the low percentage of particulate, the waste which was being burned had a high Chloride content. Chloride, present in the lime slurry fed through the scrubber system, creates a very volatile environment. This application would destroy standard piping.

Due to the corrosive nature of the particulate, there were few options available to the design engineer. The first possibility was to use Hastelloy or fiberglass, which could withstand the chloride corrosion; however, Hastelloy knife gate valves and ball valves are very expensive. Thus, the other, option was chosen - the Red Valve Series 75 Manual Pinch Valve with an EPDM sleeve. Red Valve Manual Pinch Valves proved to be an effective, economical choice for this scrubber system. When you consider the Series 75 Pinch Valve's ability to close on entrapped solids, self cleaning sleeve, and the wide range of elastomers available to meet chemical compatibility, the choice was simple.

In addition to the two Series 75 Manual Pinch Valves, Redflex rubber reducers were included in this scrubber system package. These reducers were used to mate the valves with larger diameter pipe.

Red Valve's complete product line of Pinch Valves and Expansion Joints are designed to meet our customer's exact flow requirements and specific applications.

