

Salt Mine Operation Sees Improvement with Rotary Valve Replacement

A salt mine in the state of New York was finding issues in its dust collection system. The main particulate being filtered out, salt dust, was corroding the rotary valve meant to transport it to the dust collector. These problems required constant maintenance, necessitating a shut-down of the system and leading to losses in manhours. While expanding their cyclone dust collector, the company decided to try Aerodyne's Vacu-Valve as a replacement.

The Vacu-Valve's neoprene sleeve reduces the impact of corrosive while improving ease of maintenance and part replacement. The Armadillo Vacu-Valve in particular fits the situation well, as the solid flange on the bottom of the device creates greater stability and the solid steel cage gives the valve better protection against the environmental factors associated with a salt mine. Easy replacement of Vacu-Valve sleeves reduced the amount of downtime and man-hours needed for regular maintenance. The mine ultimately decided on installing an Armadillo Vacu-Valve on its dust collector after a few months of testing. Two more Armadillo Vacu-Valves were purchased for their other collectors.

