



Reduction of production down time with Aishin Scraper Type Rotary Valve

Summary

Powders and Bulk solids get into sticky situations all the time. Problems with flow lead to blockage in bins, silos, hoppers, Mixers etc. Discharge of material from such upstream equipment is extremely important to achieve the desired production target; Enter, Aishin Japan's master engineered scraper type rotary valve. The answer to all our adhesive powders

Introduction

The production capacity of a plant is largely dependent upon the synergy between various components continuously interacting with each other and the capacity is as good as its weakest link. Adhesive/Sticky powders make sure you won't achieve your production targets. Such sticky powders stick to the pockets of standard rotary valves and in turn choking occurs resulting in high down time for dismantling, cleaning, and assembly of rotary valves.

Aishin Scraper Type Rotary Valve

Aishin Scraper type Rotary valve is equipped with a Rotor and a scraper. Stick material is carried in the specially designed pockets and these rotor pockets are scraped off with scraper at the discharge allowing more material to enter the pockets in the next rotation. The single motor design helps synchronous rotation of rotor and scraper. It is best suited for highly adhesive powders and granular which are easily clogged

Figure 1: Aishin Scraper Type Rotary Valve



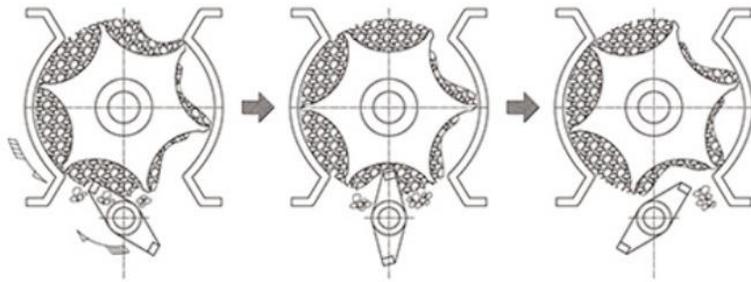
Problem Statement

A well reputed chemical manufacturer from the Western part of India faced frequent choking issues of rotary valves while discharging sticky material from a Nauta Mixer. The plant runs 24*7 and the local rotary valve choked every 8 hours increasing the downtime to a great extent and adversely affecting the production

Solution

The customer decided to install Aishin scraper type rotary valve in place of the local rotary valves. After installation of the scraper type rotary valve the choking of rotary valve reduced from once in 8 hours to once a week reducing choking time by 95%. The customer went on to install 6 more scraper type rotary valves in place of local rotary valves

Figure 2: Scraping of sticky materials



+91 22698 88000

marketing@aishin-mh.com

sales@aishin-mh.com

157, Akbar Camp Road Kolshet, Thane 400 607 Maharashtra, India