



VORTEX MAINTENANCE GATE HANDLING SODA ASH

Customer: A Manufacturer of Food Flavorings

Material: Soda Ash

Product: Food Flavorings

Application: Handling soda ash.

Challenge: Find a slide gate that will reliably seal material in different applications.

Results:

In the process of manufacturing flavoring, soda ash (also known as sodium carbonate) is used to control the pH factor.

In this application the customer required slide gates for two different parts of the soda ash application. A) This gate will be open 99% of the time and needs to seal differential pressure in the blade open position. It is located between a bin bottom and an airlock. The valve will be closed when maintenance is being performed on the airlock. B) This gate will be closed 99% of the time. It is located above a bin discharge spout. The valve will be opened when material is required if the plant has experienced loss of electrical power.

Vortex Maintenance Gates were selected for both applications.



A



B