



## VORTEX GRAVITY VEE DIVERTER HANDLING HYDRATED LIME

- Customer: Company policy dictates name cannot be used
- Material: Hydrated lime
- Application: Independently controlled gates for highly abrasive material
- Challenge: Mount terminal boxes to the side of the air cylinders
- Valve: Vortex Gravity Vee Diverter



### Results:

The Gravity Vee Diverter for this application is being used to handle hydrated lime. The lime is a major ingredient for slurry that the company produces to control pH in their industrial water treatment facility.

During a recent expansion, the company became intrigued by the Vortex Gravity Vee Diverter. A local representative introduced this valve to them during a visitation. The idea of separate controls on either side of the diverter is exactly what they needed under their main product silo. From the silo, they feed hydrated lime into either of two reactor tanks where the slurry is produced.

The rep's suggestion of purchasing the valve with pre-wired terminal boxes proved to be an additional help in cost savings. After doing a comparative study, they realized they could save time and money by adding this option. However, in adding this accessory there was a potential problem. The standard pre-wired terminal box is mounted on the end of the air cylinders. There would not be enough room for the terminal boxes to clear the main silo.

After checking with Vortex, the rep assured the customer that a special terminal box mounting could be made to the side of each air cylinder. This modification allowed the Gravity Vee Diverter to fit the application perfectly.

The pre-wired terminal box option played a significant part in the sale of the valve as well as being able to shut off, or independently control the flow of material to both reactors.