

Environmentally Friendly Corrosion Protection for Closed-Loop Systems and Hydrostatic Testing

VpCI-649 is an environmentally friendly, nitrite-free corrosion inhibitor for use in systems containing fresh water or glycol. It can be added at low doses to effectively and economically protect ferrous and non-ferrous metals from corrosion in closed loop systems, or in vessels that have been hydrostatically tested. The vapor phase action of this unique concentrated liquid protects against corrosion in areas that traditional contact-only corrosion inhibitors cannot reach. VpCI-649 also contains an acrylic polymer to prevent scale formation.

VpCI-649 is an especially important tool for protecting intricate internal surfaces from corrosion during hydrostatic testing. A cost-effective dose of VpCI-649 can be easily added to pipelines, casings, tanks, and valves; circulated; and drained. This leaves behind a protective layer on the system internals for continued protection of up to two years.



The combined contact and vapor phase action of corrosion inhibitors in VpCI-649 protect closed-loop system internals below and above the surface of the water.

www.cortecvci.com

Butting: Columns for chemical park

BUTTING manufactures stainless steel vessels, tanks and columns according to customer specifications in several sections or in one piece, through a very large degree of prefabrication in the plant. The family business was recently able to demonstrate its longstanding experience by producing two columns for a German chemical park.

BUTTING obtained an order for the production of two columns. The processing engineering equipment in the form of a hollow, slender column has special fittings, as required by the application or the operating conditions. Both columns were prefabricated in Kneesebeck: The first column, 25 metres long and 1 400 mm in diameter, was produced in two parts, as was the second column, which was much smaller, 15 metres long and 1 000 mm in diameter.

The large number of fittings presented a special challenge: A total of more than 190 metres of welding wire had to be welded for the inner fittings. Robert Lenz, Spools & plant construction, explains: "A large number of branches were welded on one side. In so doing, very tight tolerance requirements had to be complied with, in order to guarantee the parallelism of the inner fittings." In addition, carbon steel support feet had to be welded to one end of each column.



The very high degree of prefabrication benefited the customer.

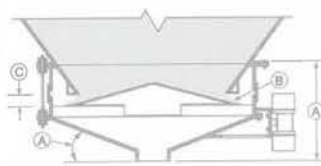
www.butting.com

Gyro EX Bin Activating Feeder/Discharger

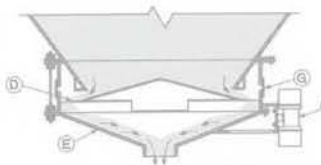
Accurate Feeding and Discharging

The GYRO EX bin activating feeder and discharger produces a controlled gyratory motion to positively withdraw granular materials from bins, storage silos and hoppers at any desired feed rate for a more consistent and reliable discharge. At the heart of the GYRO EX bin activating feeder and discharger is the drive that produces a radial force creating a uniform circular motion on both the upper activation cone and the lower discharge cone. It is this annular radial vibratory motion which imparts the force to the material, assuring a more reliable and predictable material discharge.

A unique feature of the GYRO EX bin activating feeder and discharger is that the stored material load is completely supported by the upper bin activation cone which has a lower cone angle than the discharge cone, assuring an uninterrupted and positive discharge of the stored material. The GYRO EX bin activating feeder and discharger can also be started and stopped as desired because material is not allowed to accumulate or stagnate in the lower dis-



Static Position



Discharge Position

charge cone which might create packing or plugging problems. Irrespective of the particle size, the GYRO EX bin activating feeder and discharger is well suited for almost any size material and the rate can easily be increased or decreased by adjusting the gap between the inlet opening and the upper activation cone.



Features:

- A. Low headroom reduces height.
- B. Material stops due to angle of repose.
- C. Gap is adjustable to increase or decrease feed rate.
- D. Circular distance of activation cone creates a wide feed zone.
- E. Vibrating lower cone is self-cleaning.
- F. Exterior mounted vibrating motor.
- G. High strength reinforced flexible connector.

<http://www.krausvibratory.com/products/gyroex.html>

www.dynamicaire.com