



Pneumatic Conveying



Rotofeed

Pneumatic Bulk Solids Handling
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The Clyde Rotofeed Injection technology is design to provide highly accurate and consistently controlled batch or continuous injection of material directly into a process environment, such as blast furnace or power boiler or similar.

Material is fed from a dispense vessel via the Rotofeeder which is driven by a variable speed electric motor to control the feed of material into the injection pipeline.

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ISO9001 | ISO14001



British Engineering

Key Features

Continuous or Batch Feed | Injection

Batch or continuously injection when installed fitted with a lock hopper

Wide Control over Feed Rate

Variably controlled driven motor provide a 10:1 system turndown or ramp up

High Accuracy over Rate of Injection

when fitted with load cells accuracies of 1 - 2% by weight (gravimetric) without load cells 5 - 10% (volumetric)

Heavy Duty Pneumatic Valves

Fitted with the original Dome Valve throughout the Rotofeed is highly reliable in the most challenging of applications

Injection into Pressurised Process

Capable of injecting material in to processes of up to 30.0 barg

Benefits

Zero Leakage

Totally efficient and effective valve sealing of pressures up to 30 barg

Extremely Reliable

Incorporating only tried and tested key components resulting in highly reliable operation in a wide range of applications

High Availability

over 3,000,000 cycles between major overhauls and 1,000,000 cycles for seal replacement

Unique Actuation

The Dome Valve can cut through moving or static columns of bulk material



Custom Features

Dome Coatings

Electro-nickle plating or Polymer coating for cohesive and abrasive materials

Temperature Rating

Water-cooling to achieve operating temperatures beyond 200 deg C up to 450 deg

Pressure Rating

7 barg maximum pressure on the standard Dome Valve having 10 barg design. Up to 30 barg manufactured to order