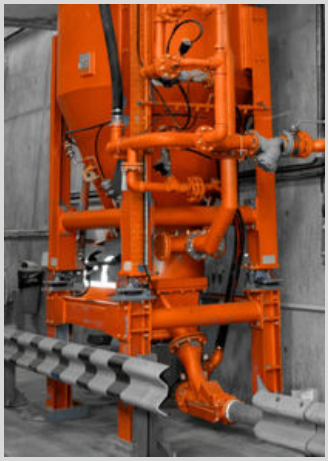
CLYDE

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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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