



Densephase TD-Pump

Pneumatic Bulk Solids Handling
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The Clyde TD-Pump range has been specifically designed to handle very large throughputs of fly ash (or similar fluidisable powders) at transfer distances of up to 1600m.

With TD-Pump technology, the discharge pipe exits through the top section of the vessel and fluidising from below ensures smooth and consistent discharge throughout the pipe loading cycle.

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ISO9001 | ISO14001



British Engineering

Key Features

Large Capacity Pumping system

These machines range from 2.5 - 23.5 cu.m giving it a respectable conveying capacity ranging from 25 - 300 tph at distances up to 1800m

Standard material fluidising aids

A fully fluidised base section together with an air blend spool in the discharge pipe ensures consistent discharge

Single or Multi-outlet Configuration

Can be configured with multiple machines onto a single dedicated conveying pipeline when used in conjunction with our Dome Switch Valve

Heavy Duty Pneumatic Valves

Fitted with the original Dome Valve throughout, the TD-Pump is highly reliable even in the most difficult of applications

Benefits

Single stage long distance conveying

Ability to convey over long distances means costly transfer stations can be avoided

Extremely Reliable

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

Extremely Efficient

High phase densities make this one of the most energy efficient conveying machines on the market

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

Instrumentation

Instruments can be upgraded to meet various standard including ATEX

Pneumatic Piping

Standard nylon piping can be upgrading to suit plant specification (stainless, copper, UPVC coated copper etc)