



**CLYDE**

**Pneumatic Conveying**



# 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 constant 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)