



Pneumatic Conveying



Densephase PD-Pump

Pneumatic Bulk Solids Handling
Document No. CPC-INF-2070

The Clyde PD-Pump is a variation of the standard Clyde Denseveyor and is used extensively within heavy industry for transporting dust and similar fluidisable materials at high efficiencies and large throughputs over 200 - 800m.

The PD-Pump is fitted with an outlet Dome Valve which is uniquely operated to maximise the phase density of the system to ensure the most effective use of compressed air during the transfer cycle.

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ISO9001 | ISO14001



British Engineering

Key Features

Wide Range of Sizes Available

These machines range from 0.08 - 4.2 cu.m giving it a respectable conveying capacity ranging from 1.0 - 100 tph at distances up to 800m

Various Fluidising Discharge Aids

Internal skirts, fluidising ports, OBCR and ABR can be added to ensure flow is consistent

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 PD-Pump is highly reliable even in the most difficult of applications

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

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 degC

Instrumentation

Instruments can be upgraded to meet various standards including ATEX

Pneumatic Piping

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