



Pneumatic Conveying



D-Pump

Pneumatic Bulk Solids Handling
Document No. CPC-INF-2090

The Clyde D-Pump technology is its most advanced Smart pumping technology. By incorporating automatic modulation of the outlet Dome Valve we are able to transport an extremely wide range of solid materials.

The D-Pump is very well suited for high capacity and longer distance applications whilst in parallel will perform excellently with applications where solid materials are variable

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ISO9001 | ISO14001



British Engineering

Key Features

Large range of sizes available

This technology ranges from 0.2 - 13.0 cu.m giving it a massive conveying capacity ranging from 1.0 - 250 tph at distances up to 1.5 km

Anti-Blocking System (ABS)

The outlet Dome Valve is fitted with a state-of-the-art digital valve positioner to enable a controlled discharge into the conveying pipeline

Continuous or Batch Mode Conveying

Either with a single vessel for lower distance and capacity conveying or double-configuration for larger applications the D-Pump is able to meet most bulk materials handling challenges

Heavy Duty Pneumatic Valves

Fitted with the original Dome Valve throughout the D-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

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