Aeromec™

FIBC Filling and Discharging Systems

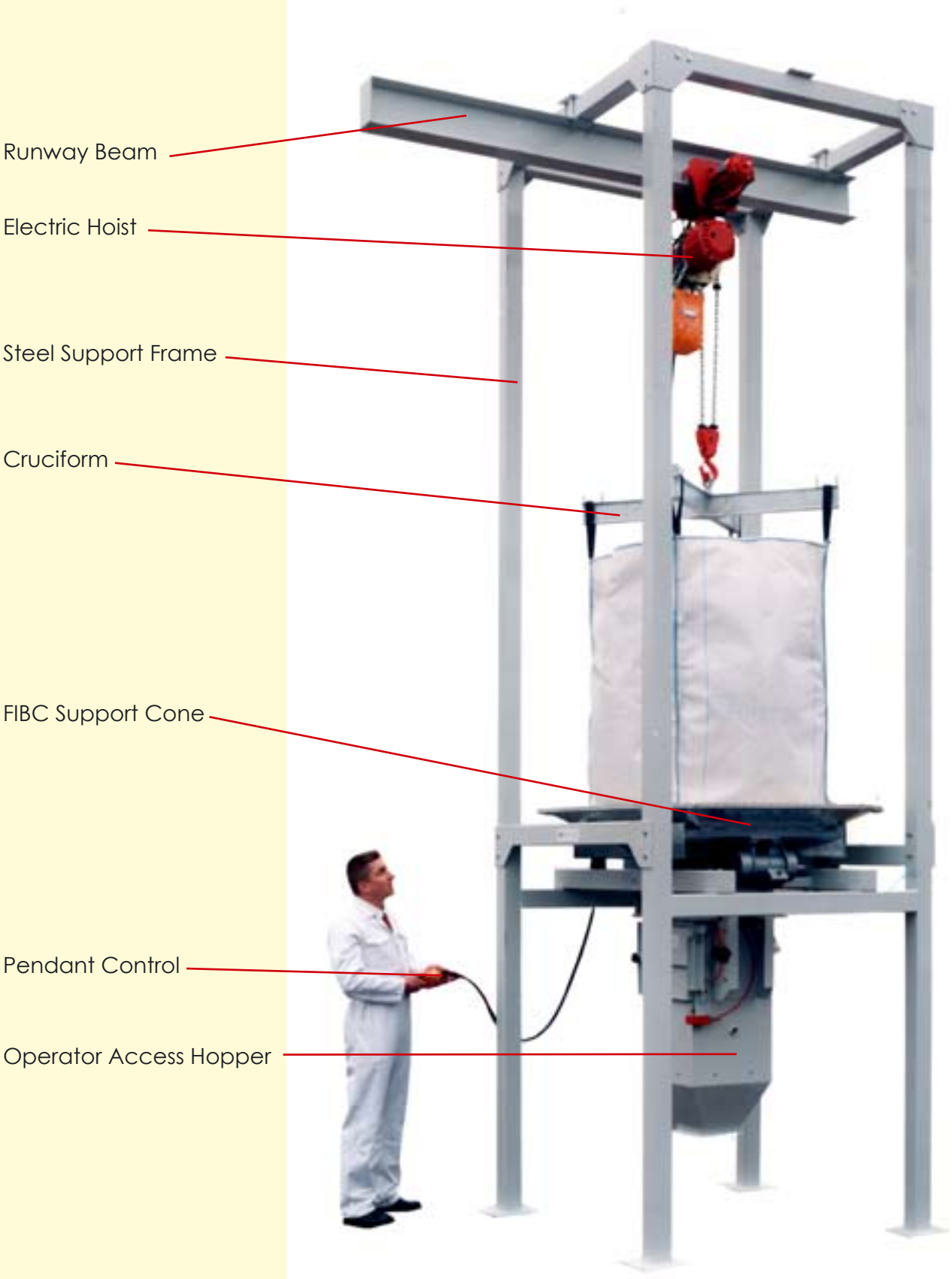
Manufactured by Entecon Uk Ltd

Aeromec FIBC Discharger

The Aeromec™ range of FIBC products manufactured by Entecon UK Ltd provide a dust free method of emptying all types of FIBC's. Robust construction and the use of heavy duty steel sections ensures a long life even in the most arduous conditions.

Besides the comprehensive range of standard FIBC equipment, many optional features are available which can be incorporated in custom built units to suit the customer's particular requirements or specific product characteristics.

All Aeromec™ FIBC equipment manufactured by Entecon UK Ltd can be offered in stainless or mild steel materials.



Aeromec FIBC Filler

Stainless Steel filling spout with pneumatic neck clamp

Spreading hooks for bag straps

Height adjustments for varying sizes of FIBC's

Free standing support frame

Digital weight controller

Load Cells

Operation Sequence

1. FIBC positioned on weight-platform, on a pallet
2. Straps connected to four spreading hooks
3. FIBC neck connected to spout
4. Empty container tared off
5. Filling commences
6. At end of fill, supply is shut off, inlet is disconnected, spreading hook shaft rotates and filled container is removed on pallet.

Options

- Electronic weighing systems
- Adjustment to suit a range of FIBC sizes
- Pneumatic or manual operation of neck clamp
- Vent Connection
- FIBC inflation
- Additonal switching unit on weighing system to provide auto-stop control of infeed
- Vibration on support plate interlocked with weighing system
- Weights and measures D.O.T. approved weighing systems
- Filling neck seal to suit all types of FIBC's

FIBC Filler

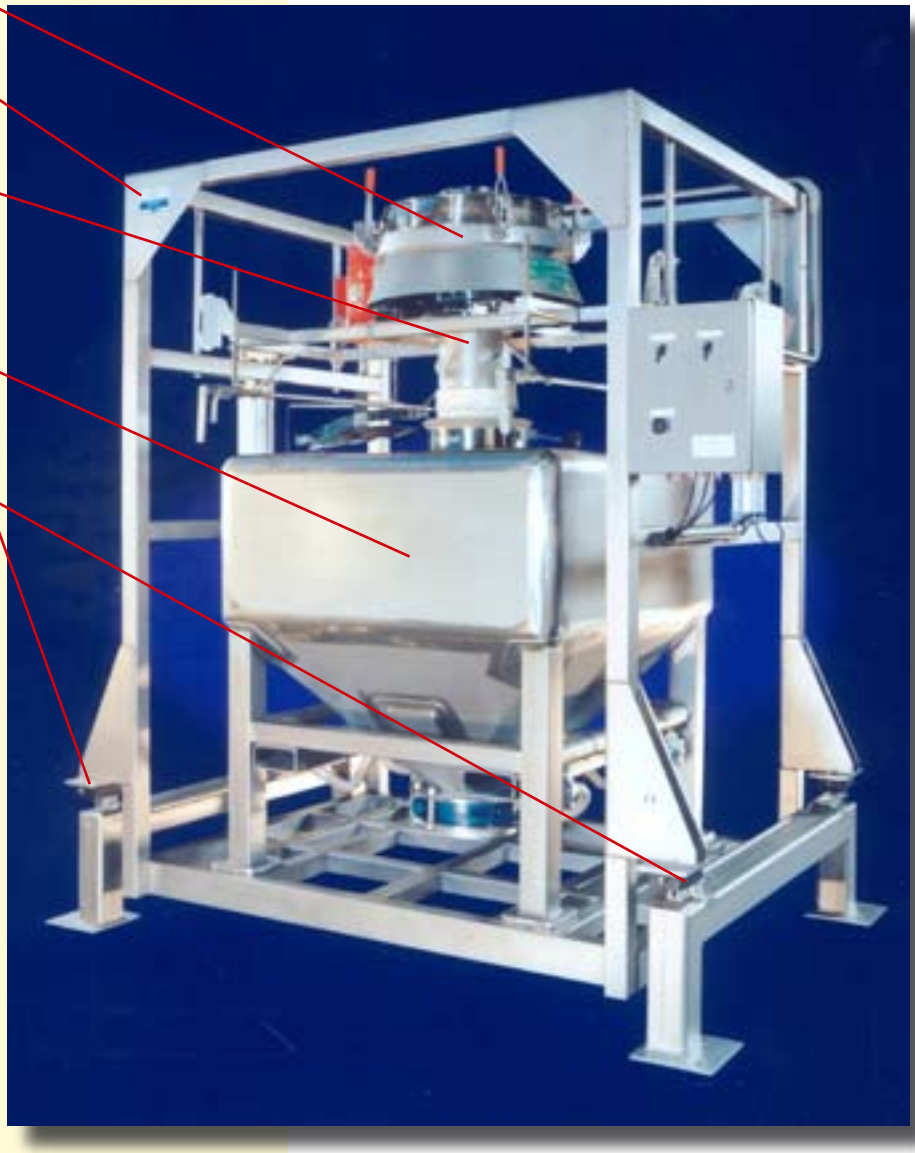
Stainless Steel Sieve

Stainless Steel Framework

Stainless steel filling spout with pneumatic neck clamp

Rigid Bin

Load Cells



The stainless steel unit can fill either FIBC's or rigid bins and has an integral sieve positioned above the filling spout which can be supplied as an option.

Pneumatic neck clamp provides dust tight seal when filling. A range of neck sizes can be accommodated on a single unit.

Pneumatic cylinders raise the filling spout to accept various heights of FIBC's or bins

The weighing system utilises four load cells with a total capacity of four tonnes which accommodates tare weight and up to 2000kg material weight

The control system incorporates a PLC weight controller with five set points, auto tare and checking functions.

Vibration of the FIBC or bin can be introduced by the use of a rotary electric vibrating motor mounted on the side flange of the main frame

Aeromec FIBC Discharger

Knife valve in closed position sealing neck of FIBC

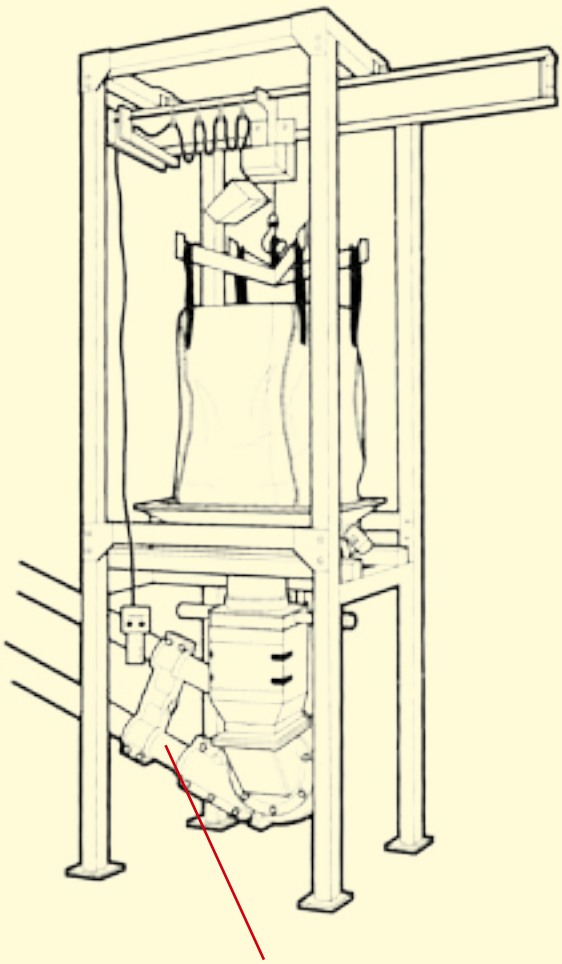
Operator untying neck of FIBC

Knife valve in open position

Options

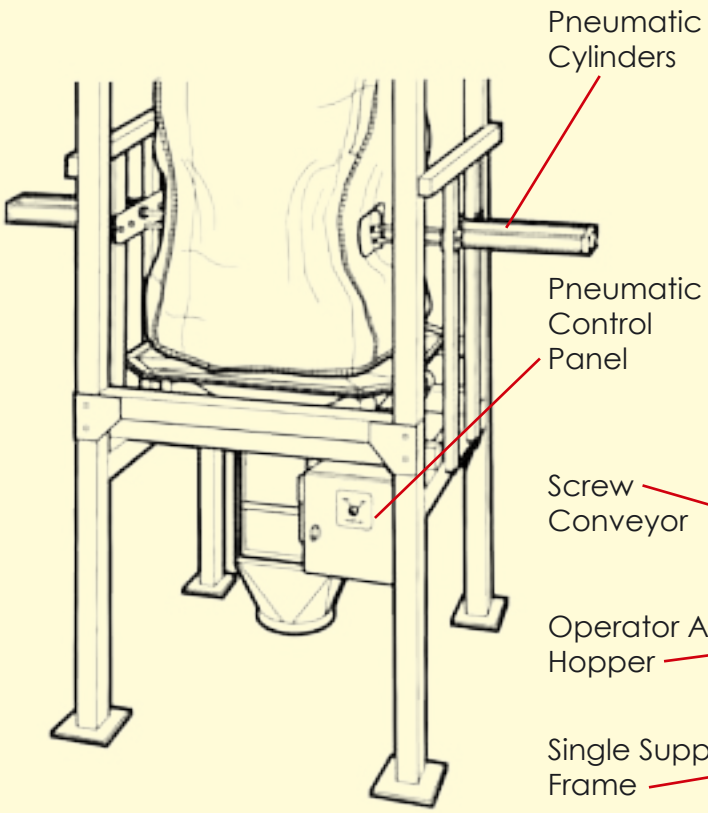
- Support cone vibration
- Liner Tensioning
- Knife valve for closing necks of FIBC's
- Cutting knife for single trip FIBC's
- Bag massage for difficult products
- Low headroom capability
- Loss in weight facility
- Product screening
- Range of conveyors for onward movment of materials

Single FIBC Discharger

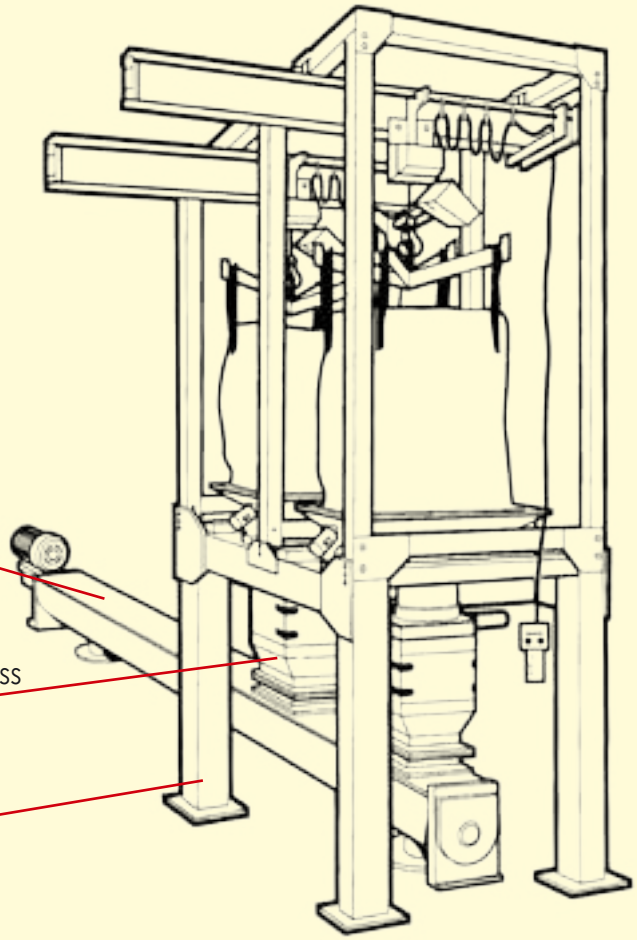


Aero Mechanical Conveyor for product transfer

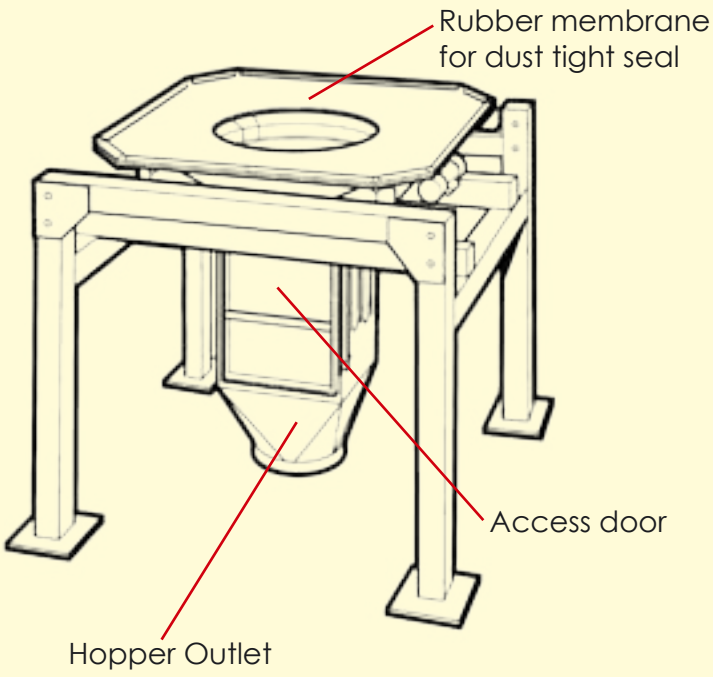
Bag Massage System



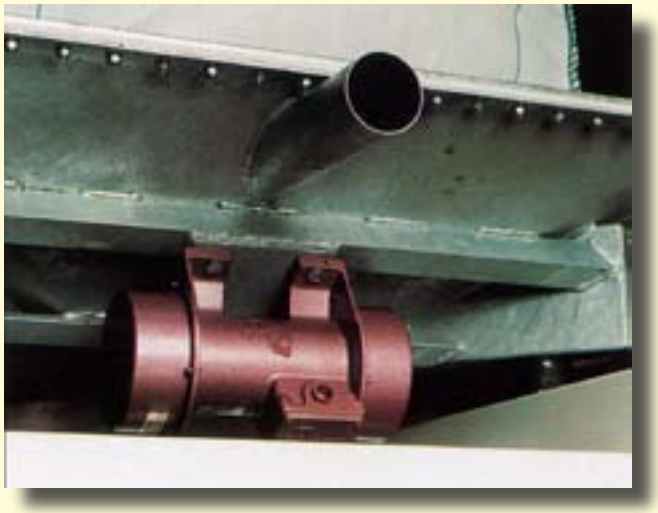
Dual FIBC Discharger



Lower Support Frame



FIBC Support Cone



Test Facilities

Complete testing facilities are available at our Camberley factory. Tests are conducted free off charge by Entecon UK Ltd staff and the customer or company representative is cordially invited to observe the tests.

Due to a programme of continued research and development, designs and specifications may be changed without prior notice.

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