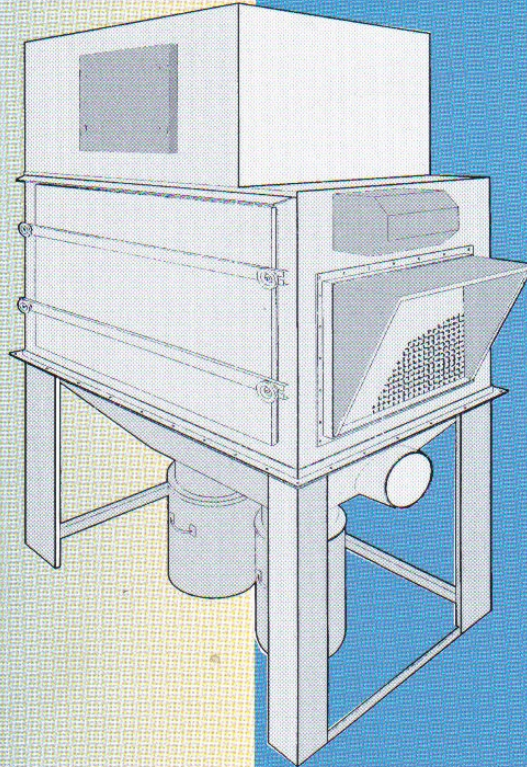




dustair

Envelope Filters



OTHER PRODUCTS

Envelope Type Fabric Filter Units

Tube Type Fabric Filter Units

Silo Vent Filters

Weld Fume Extractors

Rotary Valves

Reverse Jet Filters

Mist Elimination

dustair

MODULAR SIZING

The size 50 - 1100 range of envelope filters are designed to cater for the most common dust problems, which usually involve a ducted system. Larger systems utilize a number of units in a modular form, or other types of filter from our range.

To cater for the wide range of air volumes encountered in ducted systems we can offer a variety of fan options. The units can be supplied without fans for multiple banking fan applications. Our engineers are at hand to select the correct fan for your particular requirement.

SPECIALIST FILTER MEDIA'S

The filtration of the air is achieved by passing it through cloth arranged in a multi-pocket, envelope form. Standard units are supplied with bags manufactured in cotton fabric, however, other medias are available for greater efficiency. These include plain Needlefelt fabrics, felts with either surface treatments or membranes, or alternatively felts manufactured incorporating Epiropic fibres to give antistatic properties.

AUTOMATIC FABRIC CLEANING

Each filter unit is supplied complete with an electro-mechanical shaking device which raps the filter element thoroughly following a delay after the main fan is switched off. This is all dealt with automatically by a control panel supplied free issue with each unit.

ENERGY EFFICIENT FANS

The of the range of fans from 0.7Kw up to 18.5Kw is designed to give high energy efficiency for the volume being handled, while still delivering sufficient external system pressure to cover most of the range of commonly encountered problems. The fan impellers are of a backward inclined, plate type and are mounted direct onto the motor shaft. These are mounted on top of the unit giving easy access for wiring and servicing and in the event of fire ensures that the motor is outside the air-stream.

SIMPLE DUST DISPOSAL

The unit(s) are manufactured with a valley type hopper to channel the shaken dust into round collection bin (s). Each has a quick release system allowing easy removal after shaking down to allow the bins to be taken away for emptying at intervals.

Bin liners may also be fitted with pressure balance pipes as an option.

ROBUST CONSTRUCTION

The casings of all units are robustly constructed from heavy gauge sheet in welded panel form with stiffening where required. The unit door is of the quick release type to allow easy access.

EASY MAINTENANCE

All of the components are designed for minimal tool use when carrying out maintenance. All of the bearings on the mechanisms are life sealed, limiting the amount of lubrication required. A major advantage of the Dustair Envelope design is the clean method of bag replacement. As the filter is fixed at the base and shaken from above, all of the hazardous dust is collected inside the bag, meaning clean side access for maintenance and bag changing.

HARD WEARING FINISH

The units are manufactured from Zintec mild steel, which is then primed and top coated, finishing in an 18 E 53 Ral Code Blue. Alternative colour finishes are available.

MULTIPLE OPTIONS

Silencers are offered as an extra item if required for areas where noise must be kept to a minimum.

Flange Mounting units are offered for silo mounting.

Explosion relief features, anti-spark fans, earthed filter elements, reinforced construction and blast relief doors are available for hazardous applications.

Manometer(s) provide visual indication of the pressure drop across the filter(s).

Secondary and absolute filters may be fitted where a higher degree of filtration than the normal filters is required.

Alternative hopper discharges via flap or rotary valves.

Units may be manufactured in alternative materials to suit special recommendations.

After sales spares and/or maintenance contracts are available to ensure the equipment continues to work effectively in line with C.O.S.H.H. regulations.

DUSTAIR LIMITED DUST CONTROL AND AIR FILTRATION ENGINEERS

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