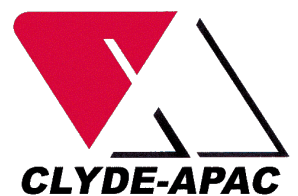


MiniPulse

Compact Dust Collector





Description

The portable MiniPulse provides strong suction to capture dust and fumes at source. Filtration of the captured dust is done at high efficiency to meet emission standards with the single filter cartridge being star pleated to optimize filter surface area.

A range of options enables units to be configured to meet needs of most applications including the pharmaceutical industry, food manufacturing, engineering, foundries, woodworking and plants engaged in the production of paint, plastics and chemicals.

The MiniPulse combines a very efficient fan, washable filter cartridge and dust storage bin in a single assembly with the fan and motor being positioned on the clean air side of the unit. The whole assembly is mounted on wheels for easy movement in confined spaces.

Construction

Housings

The housing is constructed from 2mm steel with exterior finish in baked enamel that has been specially developed for hostile production environments. Stainless steel is also available.



Cartridge

The filter cartridge, positioned vertically inside of the unit to maximize cleaning efficiency, is made of spun-bonded polyester.

This material has excellent air permeability while boasting high filtration efficiency. The cartridge is accessible from the clean air side of the MiniPulse. Ranges of filter surface finishes are available, including PTFE-coating and anti-static material.

Fan

A direct drive fan with a dynamically balanced backward curve fan wheel is designed to provide high extraction volumes at low noise levels.

Electrical

Standard units operate on 3-phase 415 V 50 Hz power via a 20 A outlet. Alternative electrical specification to suit local power supply is available on order.

Dust Storage

A large capacity dustbin under the cartridge is mounted on its own wheels.

Automatic Cartridge Cleaning

During operation, the cartridge is cleaned automatically by regular pulsing with compressed air. Cleaning is non-disruptive and controlled by a solid-state timer. The consumption of compressed air is low at 30 litres per minute of free air.

Air Receiver

The integrated compressed air receiver is pressure tested and certified.



Ease Of Service

The design of the MiniPulse minimises exposure of service personnel to collected dust. The upper section of the unit hinges up to provide service access to the filter cartridge, with gas struts supporting the opening part of the unit. The dustbin can be easily separated from the unit without the use of tools.

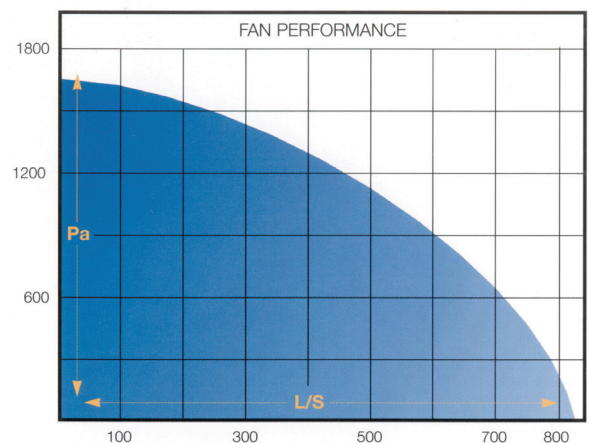
Perfect Match

The MiniPulse can be combined with the articulated Handy Arm. The Handy Arm has a swivel base that bolts straight on the optional inlet adapter of the MiniPulse. The standard Handy Arm has a reach of 2.5m and while mounted on the MiniPulse, can provide an arc of 180 degrees. Two knee-joints allow accurate positioning of the suction hood. The knee joints are external to the suction pipes and cause no obstruction to air flow. If required a halogen light can be mounted to the hood to illuminate the source of contamination.

Options

Special Filter Cartridges:

- Discharge filters
- Discharge silencer
- Stainless steel construction
- Articulated Handy-Arm (single and dual)
- Alternative inlet pieces
- Spark arrestor
- Single phase 220-240V fan motor
- Lockable wheels





Other Dust Collection Products

- Tenkay-style dust collection systems
- Silo-Vent mobile dust collectors
- Purpose-engineered systems
- Sonic-Pulse silo vent dust collectors
- Weld-fume units
- Cyclones
- Filter cartridges and filter bags
- Portable exhaust fans
- On site service and repairs
- Engineering surveys
- Gravimetric dust sampling surveys

The Company

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