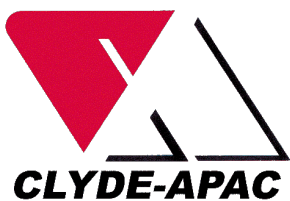


CREATING  
A CLEANER  
ENVIRONMENT



**MINIPULSE**  
COMPACT DUST COLLECTOR

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## DESCRIPTION

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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

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### 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.

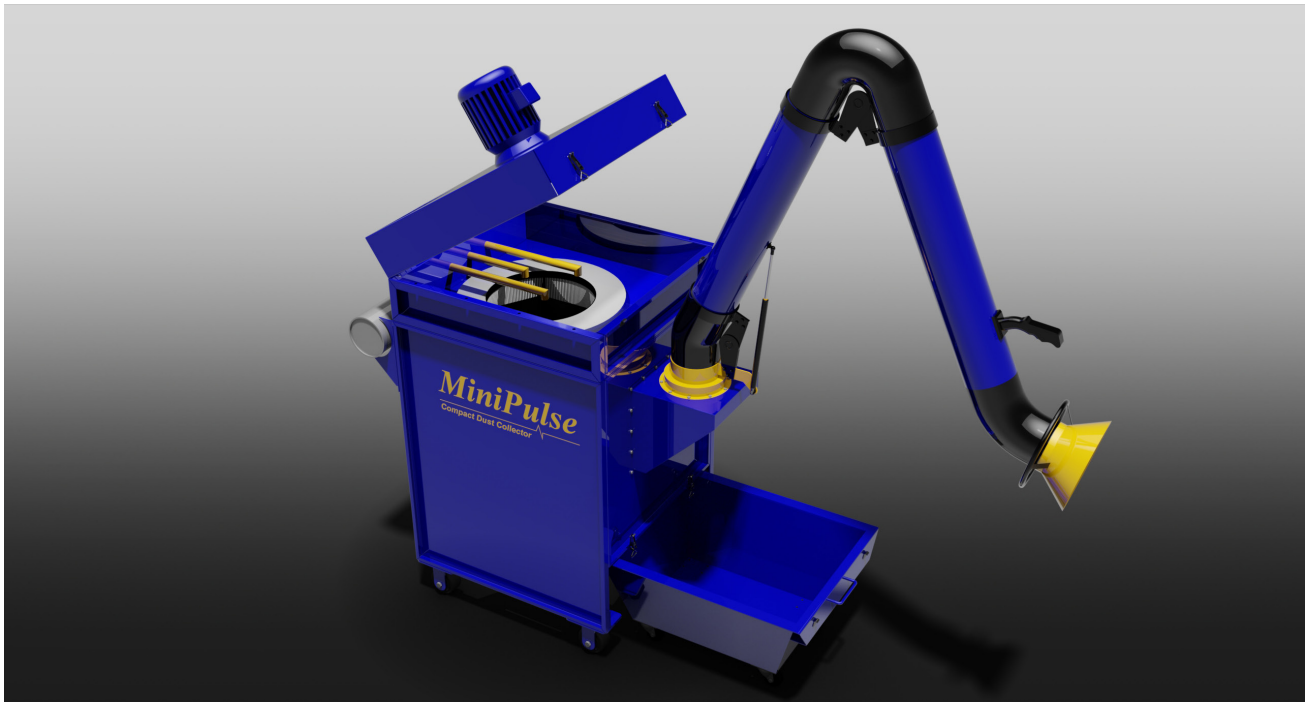
### AUTOMATIC CARTRIDGE CLEANING

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

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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

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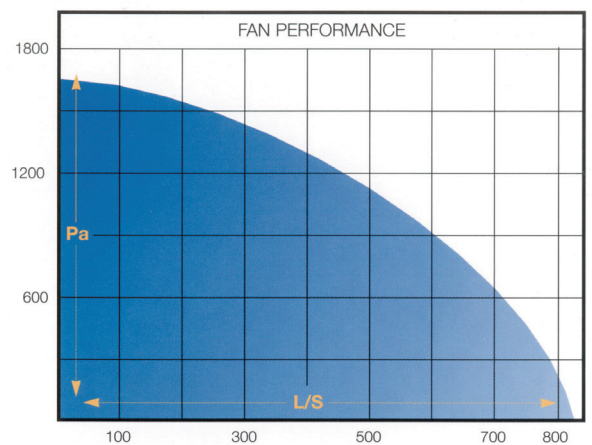
The MiniPulse can be combined with the articulated Handy Arm. The Handy Arm has a swivel base that bolts straight on the optional inlet adapter of the MiniPulse. The standard Handy Arm has a reach of 2.5m and while mounted on the MiniPulse, can provide an arc of 180 degrees. Two knee-joints allow accurate 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

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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





AES Environmental maintains an ISO 9001:2008 quality management system to ensure process and product conformance.



## THE COMPANY

AES Environmental is an Australian owned manufacturing business producing products under Clyde-Apac, Email Air Handling and Vokes brand names for industries that are as varied as industrial plants, commercial buildings, power stations, food processing, healthcare, science and electronics. AES Environmental considers the Australian Standards as a core component of its product mix and has developed an export market in 25 countries, promoting Australian Standards, engineering and manufacturing solutions. AES Environmental, a trusted manufacturer capable of delivering reliable product solutions to highly-critical applications, where the control of hazardous airborne contamination is often critical to process and personnel.

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*In keeping with our policy of continuing product improvement, we reserve the right to alter specifications without notice.*



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