

### Dustex® D4 ATEX

The Dustex® D4 ATEX is a high-pressure extraction system designed to collect high volumes of dust during site activities such as drilling, sanding, wall chasing, masonry work and more. This dust extractor is ATEX Zone 22 certified.

The unit can be used in multiple ways. Firstly, flexible ducting with a capture hood can be attached to the spigot on the side of the machine to extract dust while works take place. The high-pressure airflow of the D4 unit is able to achieve optimal performance, even over long duct lengths. The capture hood should be positioned as close as possible to the dusty activity to extract the airborne hazard as it is created. An RVT consultant is able to advise and supply the most suitable capture hood, based on the desired application, to work with the Dustex® D4 to achieve maximum dust collection.

Secondly, the D4 can be connected to a distributor box with multiple spigot connections, to extract airborne hazards at different locations, at the same time. RVT has distributor boxes available for hire that incorporate spark arrestors for flame cutting and other hot-works activities, if necessary.

Thirdly, the Dustex® D4 extractor can be connected to RVT's Dustex® Downdraft Bench to collect airborne hazards from welding, grinding, sanding and other dusty bench-top activities. The Dustex® Downdraft Bench has a collection bin for easy disposal of dust. Lastly, the unit can be used with an extraction arm that can be repositioned as needed to extract dust at the source.

The unit's automatic pulse-jet cleaning system ensures that the filters remain clear of dust, allowing it to continue to operate at peak performance levels and eliminates the need to continually change filters. Dust is pushed down into the collection bin for convenient disposal. In-built monitors will also trigger an alarm if it detects that the system has become blocked. This makes it suitable for a range of dust control tasks, particularly for fabrication settings where large volumes of dust can be created regularly, from processes such as metal and masonry work.

#### Features & Benefits

- ✓ Mobile extraction and filtration unit
- ✓ Optional extraction arm
- ✓ HEPA filtration
- ✓ Automatic pulse-jet filter cleaning system
- ✓ ATEX Zone 22 certified

#### Key Applications

- ✓ Masonry Dust
- ✓ Welding fumes
- ✓ Wood dust
- ✓ Fibreglass dust
- ✓ Metal dust
- ✓ (Non-conductive) explosive dusts
- ✓ ATEX certified for use in a hazardous and explosive atmosphere



Dustex® D4



Dustex® D4 with an optional extraction arm



# DUSTEX®

## Dustex® D4 ATEX



Dustex® D4 in use with a distributor box



### Technical specifications

Maximum Airflow	3,250 m <sup>3</sup> /h
Plug	16A 5-pin
Voltage	415V
Motor Size	4kW
Switch type	Direct on-line
Start Current	50 amps
Running Current	7.6 amps
Minimum power supply	'D' rated MCB
Dimensions (mm) H	1,640
W	840
L	1,660
Weight (including filters)	310 kg
ATEX rating	II 2D EX tb IIIB T135°C Db X (inside machine) II 3D EX tc IIIB T135°C Dc X (outside machine)
Noise Levels*	72 dB(A)

\* The physical noise experienced will vary according to how the unit is used and the character of the environment around it

### Filtration

Main Filter	H13 Cartridge
Fine Filter	H14
Collection container	38 ltr
Filter cleaning*	Automatic Jet Pulse

\*A compressor is required with 4-6 bar air pressure. At 4 Bar, it uses 9L of air every 5 seconds per pulse (approx. 4CFM). The airline connection is a 1/4" PCL connection is required. The compressor is not supplied with the extractor.

The filter media has an anti-static coating and the filters are earthed.

