

### DUSTEX® clearblast® 900G

The clearblast® Filter Unit is a self-contained dust extractor designed to operate usually via a ductwork system extracting from the dust source.

As dust enters the Filter Unit, the hopper inlet internal baffle plate encourages heavier particles to fall into the waste bin. Lighter dust particles are trapped by the filter media and clean air is discharged to atmosphere through the fan chamber outlet.

#### Features & Benefits

- ✓ ATEX Compliant
- ✓ HEPA Secondary Filtration
- ✓ Self Contained Dust Filter Unit
- ✓ Automatic Shaker-Motor Cleaning
- ✓ Cycle Optional Duct Work Connection
- ✓ 7650 m<sup>3</sup>/hr Airflow

#### Key Applications

- ✓ Gritblasting
- ✓ Sandblasting
- ✓ Fine dust filtration



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# DUSTEX®

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The interior of the filter unit is suitable for dust atmospheres as may be generated in ATEX Directive. Specification includes spark minimising features to the fan set with a Zone 22 IP 55 Dust ignition-proof fan motor. Anti-static filter media with external earth point and ST2 Explosion relief panel.

At the end of the production period, the extraction is switched off at the control panel. A timer instigates a delay to allow extraction to come to rest, followed by a 30-60 second shaker motor clean cycle.

A competent dust extraction engineer should be consulted to ensure this equipment is suitable for the application. Hazard data sheets for any product being handled by this filter unit should be referred to and the appropriate action is taken.

The clearblast® filter unit must be used in accordance with the ATEX DIRECTIVE.

ATEX workplace directive 1999/92/EC places the responsibility on the end-user to make a suitable risk assessment, particularly in the extraction of potentially explosive dust.



### Technical specifications

Electrical Requirements	415v / 3 Phase / 50Hz / 63amp
Electrical Supply Required	4 Wire Supply (With Neutral )
Start Current	112amps
Full Load Current	32amps
Fan Motor / Star Delta	18.5KW
Airflows	7650m <sup>3</sup> /hr @ 5000PA
Filter Media	Epitropic / Anti-Static
Secondary Hepa Filter	H.E.P.A H13
Membrane Explosion Panel	Single panel fitted to the rear of the unit
Intake Diameter	450/500mm
Fan Chamber Dimensions / LxWxH	3000 x1200x1800mm
Filter Unit Dimensions / LxWxH	4000x1400x3300mm
Fan Chamber Weight	200 kg
Filter Unit Weight	800 kg
Filter Surface Area	1000 sq ft
Generator Required	50 Kva

