

rhinoTM dust extractor



EXEON[®]
CLEAN AIR FOR INDUSTRY

*Quality shake-clean type
modular dust extractor*

VERSATILITY. SIMPLICITY. STRENGTH.



The Rhino™ shaker dust extractor – highly versatile, cost-effective and efficient.

The Rhino™ can be used on a huge range of LEV applications and is suited to all industrial, research, engineering and educational situations. It is ATEX rated as standard to ZONE 22, massively increasing the amount of applications it can be used for.

What's great about the Rhino?

- A Cloth-type filter element to reduce blinding which can occur with high volume of particulate on cartridge-type filters.
- B Generous area of filter media for the space available thus ensuring a very compact unit for the volume of airflow it is capable of.
- C High capacity dust collection bin, can be fitted with plastic bags if required for ease of dust disposal. Fully sealed.
- D Repositionable hopper inlet for maximum flexibility.
- E High capacity extract fan to allow for situations with additional duct runs or increased external pressures.
- F Shaker motor to provide self-cleaning on filter elements. This will run for approximately 45 seconds after the unit has been switched off (off-line cleaning).
- G ATEX rated to ZONE 22 as standard, fitted with a rear explosion panel, spark-proof fan and anti-static filter media.



THE RANGE

The Rhino™ comes in three main sizes and can be coupled to produce larger units.

CONSTRUCTION

Manufactured from 2mm steel with paint finish, with polyester needlefelt filter element.

HOW IT WORKS

The integral fan draws dust and fume-laden air into the polyester needlefelt multipocket filter element. This cleans the air of dust then discharges cleaned air out of the top of the unit via the attenuated hood.

AUTOMATIC CLEANING ACTION

When dust-laden air enters the hopper, the air loses speed and the larger particles fall into the bin below by gravity, while the smaller airborne particles are carried up and are trapped by the filter fibres.

When the shake-clean action is started, the fan is stopped and the shaker motor at the side moves a rack back and forwards which “shakes” the filter clean. Dislodged dust will drop into the bin.

OPTIONS INCLUDE

- Stainless steel construction
- Acoustic Hood
- Flange mount without hopper
- Sack tip version

UNIT INFORMATION

Model	Height	Width	Depth	Bin volume litres	Unit weight	Motor rating**	Filter area m ²	Nominal airflow range m ³ /hour
Rhino™ 25	2750	950	950	70 lit	245 KG	4.0 KW	24.0m ²	2000 - 4000
Rhino™ 40	2750	1210	950	70 lit	320 KG	7.5 KW	37.0m ²	4000 - 6500
Rhino™ 50*	2850	1900	950	140 lit (2 bins)	430 KG	11.0 KW	48.0m ²	6500 - 8000

* The Rhino 50 is a double unit with two bins and double doors. See individual data sheet for full details. The discharge hood is optional.

** Motor ratings and airflow duties are designed to suit the application/system and may vary – please ask our Sales Dept for further details, we will be pleased to advise.

Design details subject to ongoing development. Please call our Sales department for up to date working drawings of units



**The Exeon® products are a high-quality range of
LEV equipment which include the following:**

Extraction arms



Dust collectors



Mobile extractors



Extraction bench



Extract fans



Suitable for most industries, including:

- | | | |
|---------------------------|-------------------------------|------------------------|
| ■ Metalwork and welding | ■ Paint | ■ Glass industry |
| ■ Food | ■ Plastic and rubber products | ■ Textiles |
| ■ Wood Products | ■ Precious metals | ■ Chemicals |
| ■ Solvent and other fumes | ■ Pharmaceuticals | ■ Stone and aggregates |

TO SEE THE RANGE, ASK FOR A FREE SITE VISIT FROM OUR DISPLAY VAN

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