

# TBH Fume and Dust Extraction Systems



Control  
Environm  
Accredita  
No.153



Energy and maintenance efficient extraction solutions for a wide variety of industrial and medical applications. We supply certified filter and extraction systems that meet the highest standards of quality, reliability and flexibility - from cost-effective small appliances to high-performance central extraction solutions.

## FP150 Series TBH EXTRACTION SYSTEM

The FP 150 is equipped with an extractor arm and includes a cleanable filter cartridge which allows dust cake being removed from the filter by using bursts of compressed air.

This system is suitable for extracting and filtering substantial amounts of dry metal or wood dusts. It also has an exceptionally long service life in comparison to systems with saturation filters. Depending on the application, a special precoating powder can be used to enhance the filter lifetime in processes in which sticky particles need to be extracted.

### Filter Cleaning Control

- Effectively freeing the filter automatically from pollutants when it's saturated by blasts of compressed air.
- Filter cartridge of dust class M
- Antistatic microfiber surface (PES) polyester
- Conductive PTFE coating protects against mechanical damage
- Cleaning by compressed air surges

- Less filter changes
- Low cost
- Robust against mechanical damage

### High adsorption power

- The adsorption of the gaseous substances takes place with activated carbon granules (physical adsorption).
- It collects a very wide range of gases and odours. If requested, special mixtures are possible that are adapted to each customer's process. For more info ask our TBH sales team.

### Pollutants have no chance.

- Low-contamination dust disposal
- Molecular sieve against gaseous pollutants
- Pipes /flexible hose/extraction arm
- Air return or exhaust air duct

### Applications

- Laser technology
- Chipping
- Welding/Grinding/Cutting
- Technical glass
- Metal processing
- Mechanical processing

### This unit comes complete with

- Mobile 4 caster machine base
- 24V Automatic cleaning unit
- Pressure control manometer
- 2.5m Hose set
- Signal module



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## GL230 Series TBH EXTRACTION SYSTEM

The Green Line provides particularly environmentally friendly air filtration. Designed to consider the protection of the environment by programming it to require less power than usual extraction systems.

The energy-saving and noiseless blowers used are barely noticeable in noise-sensitive environments such as laboratories and offices.

### Modular and Flexible

- Individually combinable to fit to many processes
- different filters can be combined
- adaptable to various processes /applications
- accessories available for an ideal extraction

### Quiet and environmentally friendly

- Low energy costs, environment-friendly
- Noise-reducing blower
- Suitable for operation in noise-sensitive environments

- Energy saving 65%

### Tool-less Filter Change

- Requires no special skills
- Simple
- No tools necessary
- Saves time

### Applications

- Laser technology
- Soldering
- Welding/Grinding/Cutting
- Plastics processing
- Technical glass
- Electronics
- Medical Applications

This unit comes complete with

- Extraction arm with flat shield
- Cable remote control.



FOR MORE INFO  
VISIT [OPIRA.COM.AU](http://OPIRA.COM.AU)

## LN 260-ZA Series TBH EXTRACTION SYSTEM

This powerful, compact and modular design ensures a simple adaptation of the filter equipment. The air filtration systems and high-performance turbines can be arranged decentralized and extract over long distances.

Especially for soldering, in laser processes as well as for sticky and damp dusts, the LN series filters vapours and gases efficiently from the air.

### Modular and Flexible

- Individually combinable to fit to many processes
- different filters can be combined
- adaptable to various processes and applications
- many accessories available for an ideal extraction

### Powerful Engine

- Wide range input 100 – 240 V
- Brushless motor

- Rotor made of permanent magnet
- Stator of several windings
- Bridge circuit of MOSFET transistors commutating electromagnets

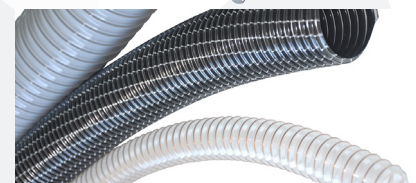
### Tool-less Filter Change

- Requires no special skills
- Simple
- No tools necessary
- Saves time

### Applications

- Laser technology
- Soldering
- Welding/Grinding/Cutting
- Plastics processing
- Technical glass
- Processes for working with vapours/gases
- Transferring materials
- Chipping
- Textile processing
- Metal processing
- Electronics

This unit is supplied with a 2.5m hose set.



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