

# Fume Eliminator 840/860

Portable fume extraction solutions

## Fume extraction where you need it

The Fume Eliminator (FE) series is a portable, fume extractor intended for on-torch or source capture applications. Capturing fume at or near the source is the most effective and energy efficient solution to protect welders from the harmful effects of welding fume. The convenience and portability of the Fume Eliminator series makes it an excellent solution for confined spaces, service and maintenance applications.

- **Convenient.** Compact and lightweight makes unit easy to transport for flexible fume extraction in a variety of workspaces.
- **Flexible.** Adaptable for on-torch or source capture hood applications with optional models that offer further adjustability and automation options.
- **Reliable.** Rugged design with metal enclosure and reinforced extraction hose that hold up in industrial environments.
- **Effective.** Optional nanofiber technology offers high efficiency capture of weld fume and delivers clean air back to the workplace.

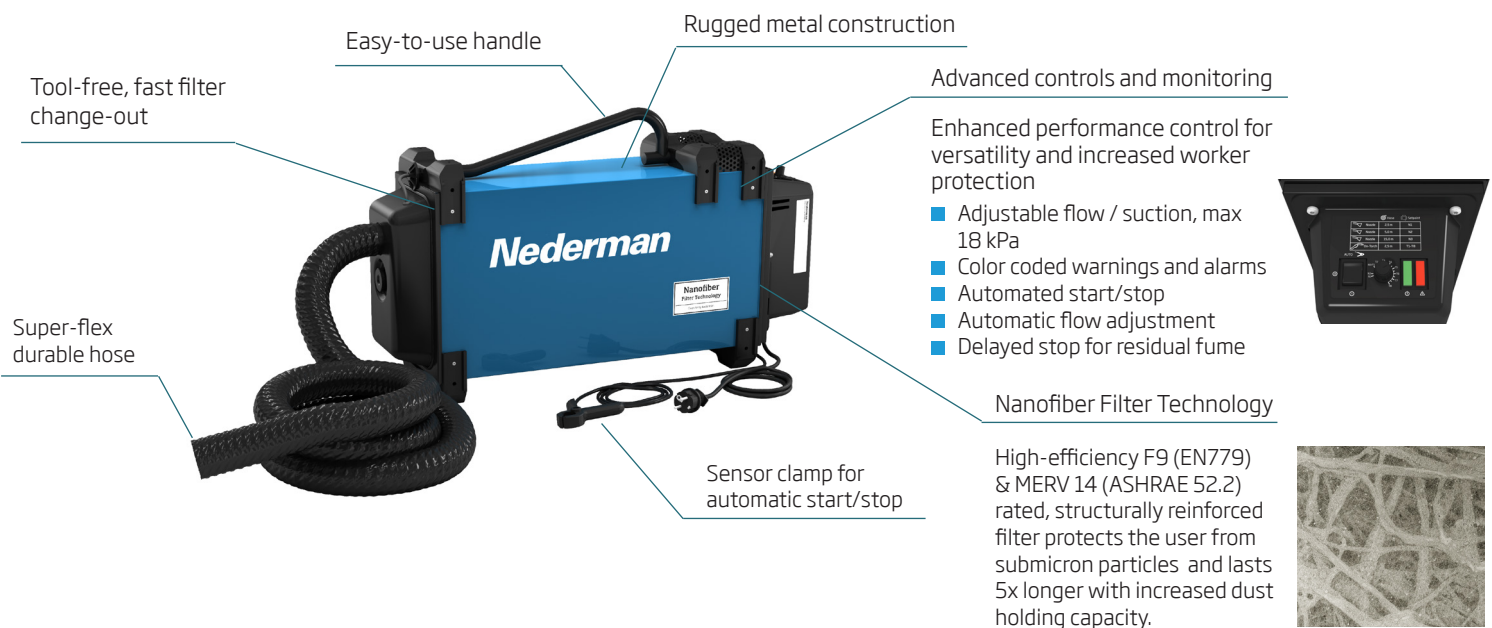
Product range to cover basic and demanding applications

**FE840.** Economic model with durable construction and basic controls providing fume extraction for light-intermittent duty welding. Ideal for extraction nozzles directly at source.

**FE860.** Enhanced model with Nanofiber filter, developed for on-torch applications, extracting fumes directly at the source. More powerful motor with adjustable airflow and automation settings adapt to unique extraction torch requirements and maintain weld integrity.

### Next generation performance with the new FE860

The FE860 model is packed with new technology and features that improve welder safety and productivity through advanced controls, performance monitoring and high efficiency filters. ISO 21904-1 compliant.



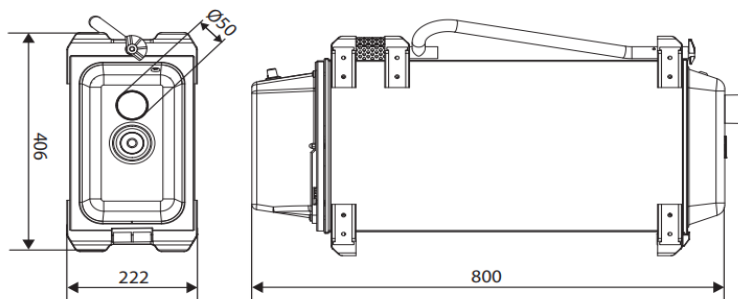
## Features by Model

| Feature   | FE840 | FE860 |
|---|-------|-------|
| Manual start up   | ✓     | ✓     |
| Automatic start with current sensor clamp   |       | ✓     |
| Adjustable airflow and suction for adaptation to different torch or nozzle types      |       | ✓     |
| Automatic airflow adjustment to maintain correct airflow and suction during operation |       | ✓     |
| Alarm notifications   |       | ✓     |
| High efficiency, reinforced nanofiber filter with extra long filter life              |       | ✓     |
| ISO 21904-1 compliant (W3)  |       | ✓     |

## General Specifications

| Model | Motor Power                     | Air Flow<br>m <sup>3</sup> /h (cfm) | Working pressure<br>kPa (in w.g.) | Filter Specification |  |                     | Weight kg<br>(lb) | Hose<br>(Length m,<br>Dia. mm) |
|-------|---------------------------------|-------------------------------------|-----------------------------------|----------------------|--|---------------------|-------------------|--------------------------------|
|       |                                 |                                     |                                   | Material             | Area m <sup>2</sup> (ft <sup>2</sup> ) | Efficiency Ratings  |                   |                                |
| FE840 | 1 kW, 240 V<br>1 kW, 120 V      | 150 (88)                            | 16 (64)                           | Cellulose Blend      | Cartridge<br>5.3 (54)                  | Class M<br>MERV 11  | 13.6 (30)         | 2.5, 45                        |
| FE860 | 1.3 kW, 240 V<br>1.25 kW, 120 V | 180 (106)                           | 25 (100)                          | Reinforced Nanofiber |  | F9<br>W3<br>MERV 14 | 14.8 (32,6)       | 2.5, 50                        |

## Product Dimensions



## Options and Accessories



### Source capture nozzles

Capture nozzles with flexible metal hose and magnetic base that can be secured to weldment or workstation. Several options available.



### Replacement filters

High efficiency and long-lasting Nederman replacement filters that are fast and easy to replace.



### Superflex extraction hose

Replacement extraction hoses or extended lengths are available in 5 and 15m lengths for increased reach.



### Spark arrestor kit

Metal filter and plate arrangement that helps deter sparks from entering filter area reducing the risk of fires.