Nederman

FilterBox
Mobile Filter for Production Fume Control

Effective, versatile and easy-to-use Fume Extraction Solution

FilterBox is the essential unit for controlling weld fume and non-combustible dusts in production environments to improve worker safety, productivity and achieve regulatory compliance. The FilterBox is available as a mobile or stationary system and supplied with a number of accessories and options to cover a variety of needs and requirements. Welders appreciate the FilterBox because it is easy to use and reliably captures fumes or dust near the source, protecting the worker's breathing zone and preventing their migration throughout the rest of the plant.

Reliable and Effective Capture

Protecting welders from the harmful effects of thermal fumes begins with capturing the fume effectively at the source. Nederman's best-in-class extraction arms are easy to position and feature an optimal hood design that expands the fume capture zone.

Optimized Filter Technology

FilterBox can be fitted with Spunbond Polyester, high-efficiency Nanofiber or ePTFE-filters depending on application. FilterBox features a high-efficiency filter removing the fume from the airstream. The filter design enhances safety by deterring sparks from entering the filter area and fire retardant media. The optimized filter media technology increases the dust holding capacity and enhances the cleaning effectiveness, extending the filter life and reducing overall maintenance time. Less down time results in higher productivity.

Workspace Configurable

Flexibility and versatility are engineered into the FilterBox to meet the broad needs of today's welder. While the mobile solution is most common, it can also be secured to the floor or hung on the wall for a stationary solution. HEPA secondary filter options are available for high-toxicity fume including hexavalent chrome. Additionally, a FilterBox Twin model is available with two extraction arms. A variety of accessories are available to automate operation and improve ergonomics.
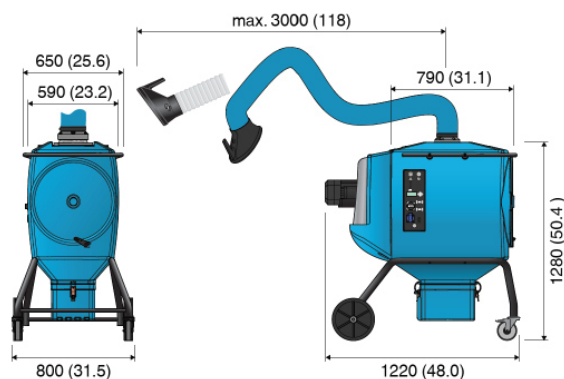
HEPA secondary filter
Additional filtration efficiency for difficult or toxic applications.

Hood mounted spark arrestor (accessory)
Improves spark and fire safety.

Extraction arms
Best-in-class arms that are easy to locate and reliably hold their position.

Control panel with LCD and keypad
Sensors ensure if adequate airflow and visually/audibly notifies users when maintenance is required to ensure effective fume capture (A models only).

Integrated silencer
Reduces noise level during operation.

Automatic back flow damper
Prevents dust from exiting unit during filter cleaning.

Filter media technology
Spunbond polyester, Nanofiber or ePTFE, fire retardant filter technology that efficiently removes weld fume. Enhanced filter cleaning for improved fume capture and extended filter life.

Clamp on dustbin
Easy to empty and attach for dust-free emptying (Shown with optional bin liner).

Optional sensor clamp
Automates extraction by turning unit on when welding begins (A models only).

Durable mobility
Large diameter rear wheel for easy mobility in an industrial environment. Locking front casters to hold in place during use.

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Models and Specifications

	10 M	10A	10A+	10A++	12 M	12 A	12A+	12A++	Wall/ Wall+	Twin/ Twin+
Capacity m³/h	1000	1000	1000	1000	1200	1200	1200	1200	1300	2 x 850
Filter material	Spunbond polyester	Spunbond polyester	Nanofiber	ePTFE	Spunbond polyester	Spunbond polyester	Nanofiber	ePTFE	Spunbond polyester/ Nanofiber	Spunbond polyester/ Nanofiber
Suitable for	Fumes and dust, light duty	Fumes and dust, light duty	Fumes (high alloy), light/ medium duty, high frequency	Fumes (high alloy), dust (sticky/hygroscopic), light/ medium duty	Fumes and dust, medium duty	Fumes and dust, medium duty	Fumes (high alloy), heavy duty, high frequency	Fumes (high alloy), dust (sticky/ hygroscopic), heavy duty	Fumes, dust, light to heavy duty	Fumes, dust, light duty
Assembly	Mobile/Floor	Mobile/Floor	Mobile	Mobile	Mobile/Floor	Mobile/Floor	Mobile	Mobile	Wall	Mobile
Filter area m²	13	13	17	13	13	13	17	13	13 / 17	13 / 17
Filter efficiency	M6, MERV 11, W3	M6, MERV 11, W3	F9, MERV 15, W3	E11, MERV 16, W3	M6, MERV 11, W3	M6, MERV 11, W3	M6, MERV 15, W3	M6, MERV 16, W3	depending on version	depending on version
Filter cleaning mode	Manual	Automatic	Automatic	Automatic	Manual	Automatic	Automatic	Automatic	Manual / Automatic	Manual / Automatic
Filter cleaning method	Pneumatic and Mechanical	Pneumatic and Mechanical	Pneumatic	Pneumatic and Mechanical	Pneumatic and Mechanical	Pneumatic and Mechanical	Pneumatic	Pneumatic and Mechanical	Pneumatic and Mechanical	Pneumatic and Mechanical

Accessories and Replacement Filters

Options	Description	Available for models
LED spotlight	Hood mounted kit for improved visibility, with switch on hood.	M, A, A+
LED spotlight + fan switch	Hood mounted light kit for improved visibility. Includes unit on/off switch.	A, A+ (included in A++)
Sensor clamp	Automates fume extraction with current sensing clamp. Includes timer to capture residual fume when welding is finished.	A, A+, A++
Power socket & Pneumatic outlet	Automates fume extraction when using a connected electrical or compressed air tool.	Included in A++
Dustbin bags	Plastic bags for dust-fre emptying of bin.	All
Secondary filter	Available in two versions (10 m²): HEPA H13 (99,75% efficiency) HEPA H14 (99,9% efficiency)	All
Ducted outlet	Transition that allows FilterBox to be connected to discharge duct.	All
Other	ISO 21904-1 (W3) compliant	All models with Nanofiber or ePTFE filter

Product Dimensions mm (inches)

650 (25.6) 590 (23.2) max. 3000 (118) 790 (31.1) 1280 (50.4) 800 (31.5) 1220 (48.0)

Nederman offers genuine replacement filters, spare parts and accessories to keep your equipment operating at maximum efficiency.
Contact a local Nederman representative today or visit our spare parts search: www.nederman.com/en/service/spare-part-search