Nederman

Fume Eliminator GoMax

Intelligent on-torch and robotic welding fume extraction

Intelligent extraction for safe and productive welding

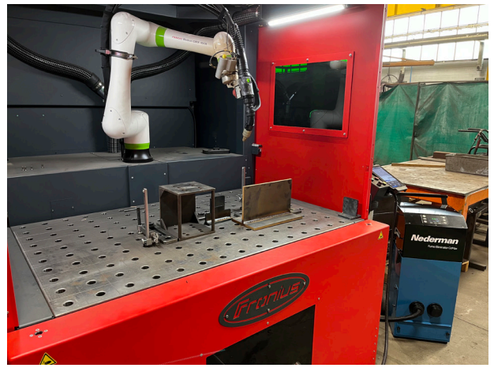
User-friendly intelligent welding fume extraction

Welding fumes contain harmful metal particles that threaten operator health and can contaminate production areas. As torch-based and automated welding grow more common, so does the need for reliable, efficient fume extraction–without complicating the workflow. The Fume Eliminator GoMax is built for exactly that.

Purpose-designed for on-torch and robotic welding, FE GoMax captures fumes directly at the arc before they disperse. Whether integrated with a robot, cobot, or used manually, it delivers consistent airflow and high-efficiency filtration to protect both people and processes. Its compact, mobile design fits tight work cells, mounts easily to walls, and supports torch-triggered or automated start/stop. Reliable, versatile, and easy to deploy–FE GoMax keeps the focus on welding, not extraction.

Keeping Welders Safe & Productive

- Effective Performance. FE GoMax delivers strong, stable airflow even during demanding, production welding cycles, ensuring consistent fume capture. Its high-efficiency nanofiber filters and self-cleaning function maintain performance while extending filter life and reducing maintenance.
- Intelligent operation. Equipped with auto start/stop triggered by the torch or robot signal, the FE GoMax operates only when needed–saving energy and wear. Built-in sensors monitor filter status and performance, providing alerts that dust bin maintenance or filter replacement is due.
- Versatility. FE GoMax integrates seamlessly with most fume extraction torches, making it easy to implement across new and existing weld set-ups. Its small footprint and compact design make it ideal for space-constrained work cells. FE GoMax supports one or two extraction points simultaneously, and a full like of accessories add additional flexibility to meet varying safety and facility needs.
- Quick & simple operation. Setup takes minutes, not hours. FE GoMax runs automatically and alerts you when service is needed–keeping welders productive and the air clean with minimal effort.



Demonstration of fume extraction torch with FE GoMax on and off

Intuitive, digital interface makes FE GoMax easy to install, operate and maintain.

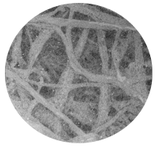
Engineered for Welders, Built for Clean Air

The Fume Eliminator GoMax is packed with features designed to solve real-world challenges in both manual and automated welding. With smart controls, high-efficiency filtration, and flexible mounting and control options, GoMax is easy to integrate into any workflow. Its compact, low-maintenance design helps reduce manual handling and keeps operators focused on production–not fume control. Below, explore the key features that make GoMax a trusted solution for clean air.

Brushless blower in foam-lined chamber for ultra quiet operation

Intuitive user interface in (14) languages

High-capacity, fire-retardant nanofiber filter for maximum efficiency and safety

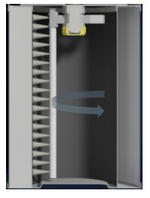


Dual, dirty air hose connections with cap if only one used

High capacity dust drawer

Durable push handle that doubles as cord wrap when not in use (removable for tight fits)

Optimized internal filter cleaning system enables both on- and off-line cleaning, ensuring consistent performance and minimal downtime

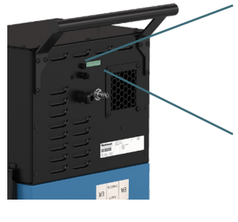


Spark filter access door

Rugged, metal construction with powder coated finish

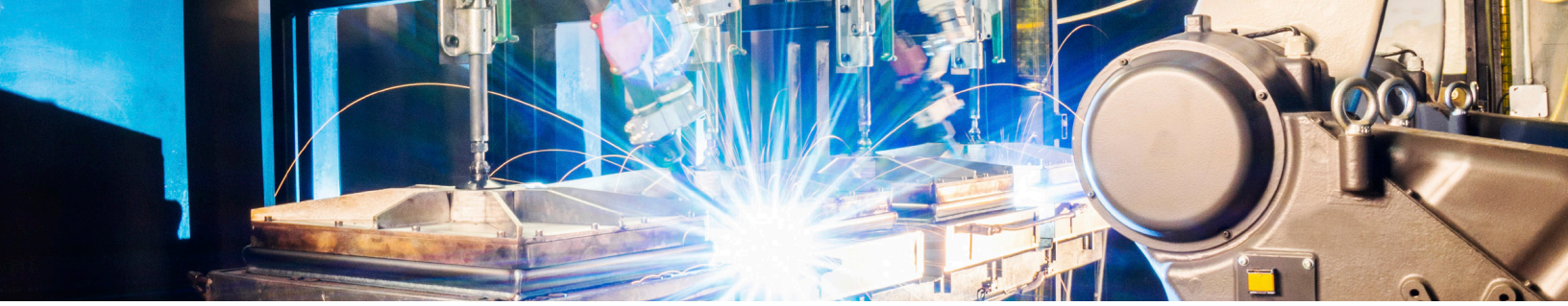
Large diameter wheels for moving over welding cables

Automated operation



Start/stop signal input
Use a process input to start extraction and delay shut down to capture residual fume.

Digital I/O Port
Communicate directly with robotic welding controls to automate and optimize operation.



A new standard in on-torch fume extraction

The FE GoMax sets a new benchmark with an unmatched combination of performance, convenience, and safety. Engineered for effective on-torch fume extraction and easy maintenance, it's the go-to solution for modern welding operations. With the FE GoMax, the standard has been raised–ensuring welders stay safe, productive, and ahead of the curve.

Safe

Engineered to consistently deliver the airflow and pressure needed to capture fume at the source–protecting workers and maintaining cleaner air in demanding production environments.

Productive

With automated operation, intelligent maintenance alerts, and the adaptability to fit diverse welding setups, the FE GoMax supports uninterrupted workflows and maximizes welder output.

Intelligent

Built-in performance monitoring and ability to interface with robotic platforms, the FE GoMax ensures consistent performance for optimal fume extraction in all welding environments.

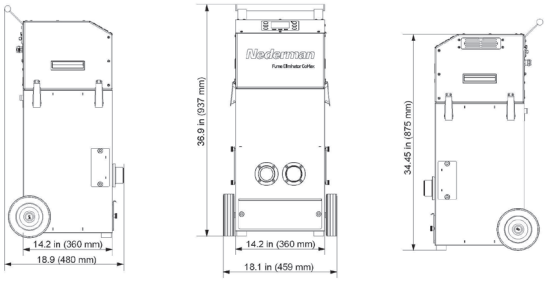
Technical specifications

Model	Power HP (kW)	Input Power	Airflow CFM (m^3/h)			Primary Filter Media	Primary Filter Area $ft^2(m^2)$	Filter Cleaning	Secondary Filter (Optional)	Noise Level	Weight lbs (kg)
			20 in.w.g. (5 kPa)	40 in.w.g. (10 kPa)	80 in.w.g. (20 kPa)						
FE GoMax	3.4 (2.5)	400 - 480 V / 3PH / 60Hz	190 (323)	150 (255)	70 (119)	Nanofiber Fire Retardant	77.5 (7.2)	Manual or Automatic (Compressed Air)	HEPA	70 -78 dB(A)	94 (42.5)
	1.5 (1.1)	120 V / 1PH / 60Hz	115 (195)	60 (102)	-						

Additional specifications and certifications

- QPS certified for US & CAN per NEC Code and UL 1017
- Designed in accordance with ISO 219402 & W3
- Primary Nanofiber is PM1 per ISO 16890
- 20 ft (6 m) power cord
- Optional HEPA filter is H13 certified

Dimensions



Options and Accessories

- HEPA afterfilter kit
- Exhaust hose kit
- Current sensing clamp
- Balancing valve
- Wall mount brackets
- Spark filters
- Source capture hoods
- Replacement filters

HEPA afterfilter kit

Exhaust hose kit

Scan or click the QR Code to learn more about the FE GoMax

Scan or click the QR Code to learn more about Nederman's comprehensive line of fume extraction solutions.

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