Nederman

MCP-GO

Compact plug and play welding fume extractor

A complete industrial air filtration solution

Convenient and compact fume extractor for today's needs

With investments in welding automation and advanced machinery on the rise, Nederman's MCP-GO is an all-in-one fume extraction system for manufacturers. The MCP-GO offers advanced filtration technology in a simple, quick to install and easy-to-use package and provides reliable, clean air solution for manual welding, welding robot or cobots and thermal cutting processes.

Building off Nederman's industry leading MCP SmartFilter technology, the MCP-GO offers a new, more convenient and more cost-effective solution to protect people, production and planet.

Convenience

MCP-GO is delivered fully assembled and ready to deliver clean air

- Pre-wired controls and fan makes for fast and easy installation
- Small footprint and single side access saves valuable floorspace
- Easy to relocate or adapt to process changes with quick fit ducting
- Standard silencer chamber keeps noise low when placed proximate to process

Versality

Two available models, controls options and installation flexibility allows the MCP-GO to be applied to a variety of processes and industries

- Manual, robotic or cobot welding applications
- Thermal cutting processes like plasma or laser cutting
- Optional Smart controls allow performance monitoring improving maintenance

Capability

MCP-Go will deliver clean air at minimum cost

- Design based on proven MCP SmartFilter, and backed by 80-years experience
- Durable metal construction provides robust design for tough environments
- Nanofiber Fire Retardant cartridges provide high filtration efficiency

Power and versatility for a wide range of applications

The MCP-GO is designed to collect and filter thermally generated fume resulting from different types of welding and laser cutting. Nederman's experts review your manufacturing process and assist in selecting the MCP-GO model that best fit for your needs.

Manual welding

For manual welders using extraction arms, cross-draft or over head hoods, the MCP-GO can support up to five manual welding stations.

Automated welding

For automated welding stations, the MCP-GO provides a convenient and flexible solution for fume control with capacity to handle up to three cobot weld stations or one production robot.

Thermal cutting

Fume is a major concern for laser, plasma or other thermal cutting processes and the MCP-GO offers a great solution for a single cutting machine or workstation.

Worker and facility safety

According to the International Agency on Cancer Research (IARC), all weld fume is considered a Class 1 carcinogen. Managing worker exposure to thermally generated fumes is essential to a safe and productive plant. The risk of fires within spark generating processes also must be managed.

The MCP-GO and the complete systems that Nederman offers focus on compliance, mitigating risk and worker health and safety.

Did you know?
Fume extraction systems may be susceptible to fires stared from sparks generated within the thermal process. Spark deterrence and proper maintenance help to redure the risk.

Take control of your weld fume extraction

Designed to perform

The MCP-GO is equipped with features that provide reliable and effective fume extraction and make the system easy to use, maintain and operate.

Flexible inlet solutions

Vertical inlet on rear of unit saves floor space. Pre-separation plate distributes air evenly and protect filters from sparks.

Pre-wired fan and controls

The filter and fan controls arrive assembled and pre-wired. Connect the main power source and system is ready to go!

Squircle filter design

Patented filter design enhances filtration efficiency through increased filter capacity and effective filter cleaning. Twist and lock filter endcap enhances seal and simplifies maintenance.

Large capacity dust tray

65 l (17 gal) dust tray with simple to operate locking and sealing mechanism.

Vertical clean air outlet

Clean air is exhausted straight up from the MCP-GO away from operations avoiding disruption and reducing noise levels. Allows for ducted exhaust connection.

Integral silencer

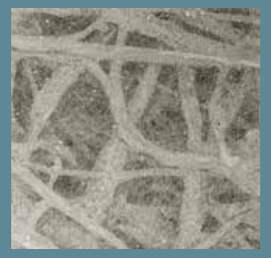
Acoustical foam lined silencer encloses the fan and filter cleaning system to reduce operational noise levels to below 75 dB(A).

High performance fan

Heavy duty, high capacity and efficiency fan delivers robust airflow for continuous, effective fume extraction.

Durable metal onstruction

Heavy gauge steel construction with galvanized coating.



Advanced filter technology

The Nederman proprietary squircle cartridge design features highly efficient flame-retardant, Nanofiber filter media, permitting higher air-to-cloth ratios and more effective pulse cleaning.

- Reduced energy consumption
- Extended filter life
- Reduced emissions
- Smaller footprint

Multiple models

The MCP-GO is available in two models based on the airflow, pressure requirements and the fume generating process. Both models have the same footprint, filtration technology and capabilities.

MCP-GO-2-6SL

MCP-GO-2-6S

Technical data

MCP-GO Model	Filter Quantity	Filter Area		Maximum Airflow		Fan Motor Size		Power Supply	Approximate Dimensions						Weight	
									Height		Width		Depth			
		m²	ft²	m³/min	ft³/min	kW	HP		cm	in	cm	in	cm	in	kg	lbs
MCP-GO-2-6SL	6	50	165	3000	1800	4,0	5,5	400 V / 50Hz / 3 PH	232	91	103	41	115	45	330	740
MCP-GO-2-6S		79	260	5000	3000	5,5	7,5		283	111					380	850

- Intended for indoor installation and operation
- Not suitable for use with explosive dusts or within explosive atmospheres
- System is CE marked
- Nanofiber FR Filter Media Certifications: ISO 16890 ePM1 80%, EN 60335-2-69:2015 Class M & ASHRAE 52.2 MERV 14

MCP-GO standard control options

Basic. Integrated controller that operates the fan and filter cleaning including on-demand filter cleaning and remote stop. Optional Variable Frequency Drives (VFDs) are available to optimise fan performance to compensate for filter loading, reducing energy consumption, reducing maintenance and extending filter life.

Insight Control. Advanced control system offering digital monitoring with cloud connectivity, larger full-color HMI for easier operation and increased energy savings through IntelliPulse filter cleaning and fan management.

A solution that is tailored to your needs

Complete clean air solutions

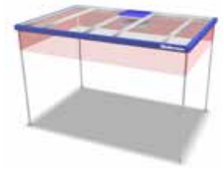
Nederman offers a wide range of options and accessories to build a complete fume extraction and filtration system. We provide extraction arms or local containment hoods to capture the fume and then a full range of quick fit, clamp together duct to convey the fume to the MCP-GO. Safety accessories like the in-line spark arrestor seamlessly connects into the duct system and deterring sparks.

Extraction Arms

Enhanced design with improved motion control, extended airflow and temperature range for more demanding fume and dust applications.

Canopy Hoods

Local containment hoods for manual or robotic weld stations that contain and capture fume. A variety of mounting options and sizes allow hoods to be catered to your process.



Spark Trap

Installed in ducting, the Nordfab Inline Spark Trap reduces the possibility of fire in collectors by decreasing the number of sparks which could reach the collector through the ductwork.

Quick Fit Duct

Complete range of Quick-Fit (QF) duct and fittings for building complete extraction systems. QF duct offers installation savings, improved maintenance, and future flexibility.

ProQuote – Nederman 3D design tool

Nederman utilizes ProQuote, a state-of-the-art 3D design tool, to quickly prepare accurate solutions that meet specifications, are energy efficient and compliant with local regulations. It also helps manufacturers to gain a clear understanding of the system, its installation process and operation.

Smart approach to service

The MCP-GO offers advanced controls package that supports digital monitoring through the Nederman Insight cloud-based platform. Sensors on key components and the process helps manufacturers avoid costly downtime, improve maintenance, and drive safety of your fume extraction solution.

Need a little more extraction power?

Some applications require additional filtration capacity, accessories or configuration than is available with the MCP-GO. Nederman's MCP SmartFilter is a modular cartridge dust collector suitable for filtering fume and combustible dust in an effective and safe manner. It's a fully flexible, configurable solution, with wide range of filter medias, options and accessories and thus capable of being applied to much wider range of industrial processes.

The MCP SmartFilter is installed in thousands of industrial applications serving a wide range of applications including welding, metal working, food processing, bulk powders, abrasive blasting and more.

MCP SmartFilter provides combustible dust compliance

Fire or explosions resulting from combustible dust pose a significant risk to the safety of your employees and facility. Therefore, it is important to select a partner that is experienced in handling these applications and a solution that complies with the latest ATEX and NFPA standards. Additionally, our comprehensive turn-key approach in the system design, installation and service offerings set us apart to keep you operating in a safe and efficient manner.

The Clean Air Company

Nederman is an environmental technology company and a global leader in industrial air filtration dedicated to capturing, measuring, controlling and cleaning air to make industrial production more efficient, safe and sustainable. Based on industry leading products, solutions and services in combination with innovative IoT technology, we deliver knowledge and facts needed to optimise performance and guarantee emissions compliance to protect people, planet and production.

We specialise in fume extraction, dust collection, combustible dust, exhaust extraction, oil mist filtration and industrial housekeeping. Our offering encompasses everything from design to installation, commissioning and service, combined with state-of-the-art digital technology. We deliver Clean Air Optimised with focus on energy use, process efficiency, health and safety and compliance. This is how we advance our mission to shape the future for clean air.

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