MCP-GO SmartFilter

Compact plug and play welding fume extractor

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MCP-GO SmartFilter is a compact cartridge dust collector, designed to reliably provide clean air in a variety of manufacturing environments where thermally generated fumes and dusts are generated - from manual, robot and cobot welding systems to plasma and laser cutting processes.

Building off Nederman's industry leading MCP SmartFilter technology, the MCP-GO offers a new, more convenient solution to protect people, production, and planet. It is a flexible and cost-effective alternative to complex centralized ducting installations. Available in two sizes, it can serve applications with airflow demand up to 5.000 m3/h (2,950 ft3/min). Its versatility allows the use of up to 5 extraction arms, multiple automated welding stations, or a plasma/laser cutting table.

- Compact design with small footprint (less than 1m2 (10ft2)) saves valuable space on the factory floor and allows great flexibility as to choice of placement.
- Robust industrial design. With cabinet made of 2 mm galvanized steel and heavy-duty industrial fan, the unit will deliver clean air for many years to come.
- Six high-capacity, patented cartridge filters with fire-retardant, Nanofiber media increase efficiency, reduce energy consumption and extend filter life. The cartridges are rated according to ISO 16890 ePM1 80% and ASHRAE 52.2 MERV 14.
- Simple and convenient installation and maintenance. Delivered as one or two pre-mounted and pre-wired components, and once installed, has single-side service access to all vital unit components.
- Multiple control options to adapt to customer needs. From basic filter cleaning controller and fan starter to advanced Insight Control with Variable Speed Drive (VFD).

Medya	MCP-GO SmartFilter
Ses Düzeyi(dB(A))	< 75 (at 1m (3.28 ft.) from unit at 1,6 m (5.25 ft.) height
Kompresor hava tüketimi	34,8 Nl/cleaning puls, 417 Nl/min
Kurulum	[Indoor]
Materyal	Galvanised sheet metal
Patlayıcı toz için ideal	False
Filtre temizlik metodu	[PulseJet]
Çalışma Basıncı (kPa)	Negtive pressure max 6 kPa (24 inch / 6000 Pa)
Çöp kovası (l)	65 litres (17 gal.)
Filitre alanı (m²)	MCP-GO-2-6S: 80 m2 (860 ft²) MCP-GO-2-6SL: 50 m2 (540 ft²)
Kapasite(maks. Hava debisi m3/h)	5.000 m3/h (3.000 cfm)
Operating Temperature	+5°C to 70 °C (+40°F to 160°F)
Güç Volt (V)	400
Frekans(Hz)	50
Faz adedi	3

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Filtre türü	[cartridge]
Filtre adedi	6

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[image]	Bilgi Dökümanı ismi	Filtre materyali	Ağırlık (kg)	Güç (kW)	[model]
	MCP-GO-2-6SL Std SC178 4kW	SC178-84F	284	4,0	73009310
	MCP-GO-2-6S Std SC178 5,5kW	SC178-132F	332	5,5	73009317
	MCP-GO-2-6S Std SC178 5,5kW inverter	SC178-132F	340	5,5	73009365*
	MCP-GO-2-6SL Std SC178 4kW inverter	SC178-84F	291	4,0	73009366*
	MCP-GO-2-6SL Std SC178 4kW with Insight Control Panel	SC178-84F	315	4,0	73009417**
	MCP-GO-2-6SL Std SC178 4kW inverter with Insight Control Panel	SC178-84F	329	4,0	73009419***
	MCP-GO-2-6S Std SC178 5,5kW with Insight Control Panel	SC178-132F	363	5,5	73009418**
	MCP-GO-2-6S Std SC178 5,5kW inverter with Insight Control Panel	SC178-132F	378	5,5	73009420***

*Includes inverter
**Includes Insight control panel
***Includes inverter with Insight control panel

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[accessory]		[partno]
	Inlet transition 90deg, QF Ø315	7945586
	Inlet transition 90deg, QF Ø250	7945587
	Inlet straight QF Ø250	7945588
	Inlet straight QF Ø315	7945589
	Locking tool for SC cartridges	7943692
	Inlet transition 90deg, spiro/plain Ø315	7946011
	Inlet straight, spiro/plain Ø315	7946014
	Inlet transition 90deg, spiro/plain Ø250	7946012
	Inlet straight, spiro/plain Ø250	7946013
	Filtre regülatörü	55999315

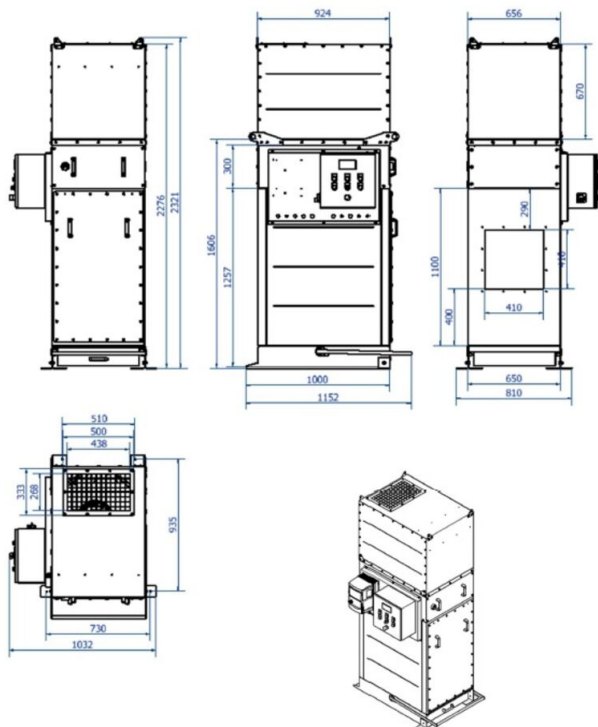# MCP-GO SmartFilter

Fan curves:
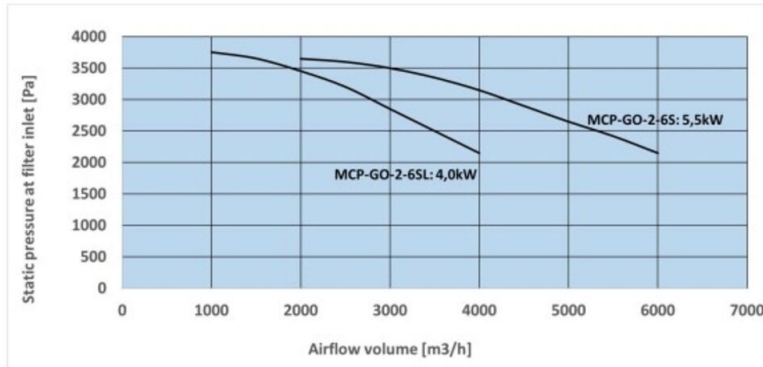
Fan curve for MCP-GO
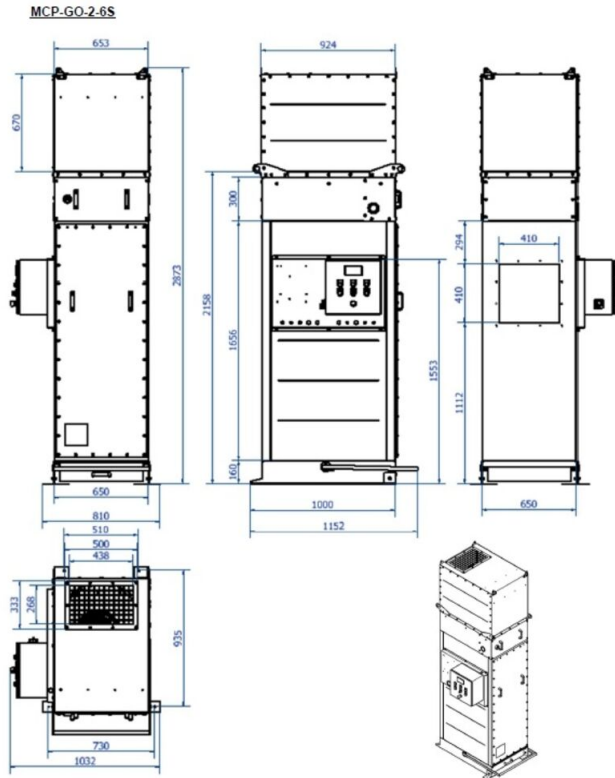
MCP-GO-2-6SL

Dimensions MCP-GO-2-6SL

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MCP-GO-2-6S

Dimensions MCP-GO-2-6S