

# MFS – Modular Filter System

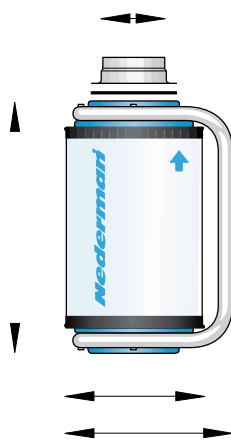


flexibility through its unique modular concept of standard mounting and filter elements. Virtually any combination can be achieved, from a single filter assembly, to larger multi-stage filter systems combining particle, HEPA and Gas. For filtration of both particles and gases, place the particle filter before the gas filter. To increase the total airflow capacity place further filter assemblies in parallel.

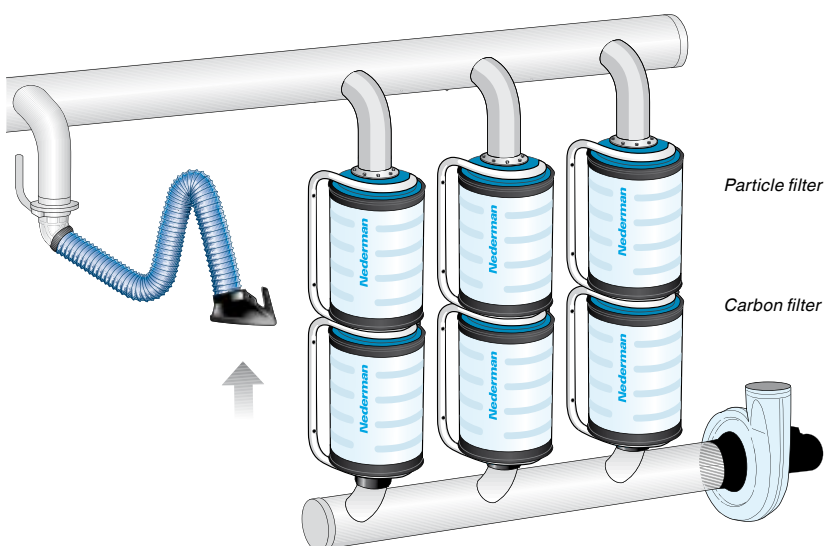
Applications: TIG and spot welding, laboratory extraction, food ingredients and odours, chemical handling etc.



- Few parts - easy installation
- Modular design - easy to expand the filter capacity
- Particle, HEPA and gas filters can be combined



## Installation example

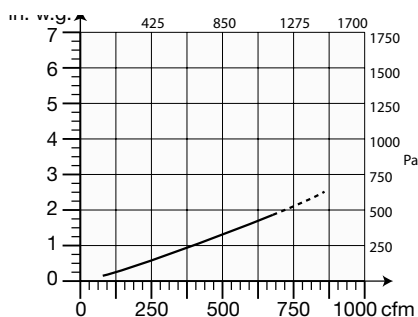


### MFS with Particle filter

For welding smoke, dust and large particles. A complete filter unit includes filter cartridge, console and two connections.



#### Pressure Drop



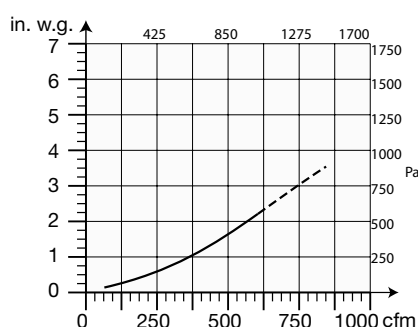
Part no.	12600144
Filter surface	18 m <sup>2</sup> (190 sq. ft.)
Filtration degree	99 %*
Weight	8.8 kg (19 lb.)
Material cylinder	Cellulose paper
Material filter media	Cellulose paper, BIA Category M

### MFS with Micro / HEPA filter

For ultra fine and contaminating particles. A complete filter unit includes filter cartridge, console and two connections.



#### Pressure Drop



Part no.	12600444
Filter surface	14 m <sup>2</sup> (150 sq. ft.)
Filtration efficiency	99.95% *
Weight	6.4 kg (14 lb.)
Material Cylinder	Cellulose paper
Material Filter media	Micro fibreglass

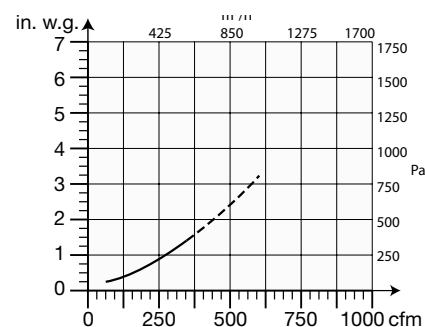
\*) acc. to EN 1822, H 13

### MFS with Gas / Carbon filter

Absorbs smells, gases, smoke and organic solvents (toluene and methyl-ethylketone). A complete filter unit includes filter cartridge, console and two connections.

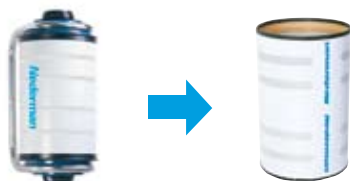


#### Pressure Drop

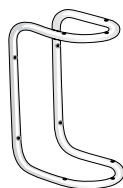


Part no.	12600544
Weight total	21 kg (46 lb.)
Weight filtration media	15 kg (33 lb.)
Material Cylinder	Cellulose paper
Material Filter media	Activated carbon

The flow of air should not exceed 500 m<sup>3</sup>/h per filter unit. The lower the flow of air, the better the filtration ability/absorption.



Replacement filter	Part no
Particle filter without console	12600711
Micro / HEPA filter without bracket	12603361
Gas filter without bracket	12603461



Accessory	Part no.
Bracket for MFS	12600644

Kit consists of	Part no.
Basic filter, N24 Fan, Original Arm 2m (7 ft.), Fan Control Manual	12610144