

# DCSC-M-1 Mobile self-cleaning filter



## Description

DCSC-M-1 is a versatile mobile filter unit designed for extraction of dust and fumes from temporary or mobile workstations. DCSC-M-1 is equipped with filter cleaning system of high efficiency that allows cleaning the filter cartridge of the unit without interruption of working process. Filter cleaning system requires connection to external compressed air supply. DCSC-M-1 unit is suitable for continuous indoor operation under the following environmental conditions: ambient temperature from +10 to +45 °C and relative humidity of 80% at 25 °C.

## Industries and applications

- Welding fumes
- Light dry dust applications

## Limitations

DCSC-M-1 is not suitable for extraction of dust generated by sand-paper and other paper-based abrasives grinding or polishing applications. Unit is not suitable for operation in the presence of dust or aerosols of explosive substances or aggressive vapors and gases.

## Features

- Built-in filter cleaning system
- Big and reliable castors
- Compact size and mobility
- Can be used with different types of filter cartridges
- Solid design
- Extraction arms of different length are available

## Article numbers / Technical characteristics

Article №	Model	Max airflow, m <sup>3</sup> /h	Filtration surface, m <sup>2</sup>	Filtration class	Power consumption, kW	Weight, kg
27821	DCSC-M-1-A12	1200	12	F9	1,2	200
27823	DCSC-M-1-T12					
27829	DCSC-M-1-T10		10			



## Delivery set / Standard kit info

- Built-in fan
- Spark arrester
- Power cable with plug
- Control panel
- Filter cartridge
- Oil separator with reduction box for compressed air supply

**NOT INCLUDED** in the delivery: extraction arm, air compressor, differential gauge. **ORDER SEPARATELY.**

## Extraction arms suitable for DCSC-1

Article №	Model	Reach area, m	Description
5359	BEA-M-2S	2	Standard extraction arm, diameter 160 mm without working light.
6130	BEA-M-2SL		Standard extraction arm with working light. The suction hood is equipped with two buttons: 1-st button is intended for working light switching. 2-nd button is intended for DCSC-M switching.
5361	BEA-M-3S	3	Standard extraction arm, diameter 160 mm without working light.
6131	BEA-M-3SL		Standard extraction arm with working light. The suction hood is equipped with two buttons: 1-st button is intended for working light switching. 2-nd button is intended for DCSC-M switching.
5363	BEA-M-4S	4	Standard extraction arm, diameter 160 mm without working light.
6132	BEA-M-4SL		Standard extraction arm with working light. The suction hood is equipped with two buttons: 1-st button is intended for working light switching. 2-nd button is intended for DCSC-M switching.

## Spare filter elements

Cartridge type (index)	Application area	Features
<b>Standard cartridges, 12 m<sup>2</sup></b>		
<b>Pcart-12</b>	Dust with particle size over 0.5 µm.	Preliminary coating by sPreco-N is recommended (500 to 1000g per 1 cartridge). It is essential to control and keep the recommended air flow.
	Welding aerosols	Preliminary coating by sPreco-N is required (500 to 1000g per 1 cartridge). It is essential to control and keep the recommended air flow.
<b>Acart-12</b>	Dust with particle size over 0.5 µm prone to electrostatic charge accumulation.	Preliminary coating by sPreco-N is recommended (500 to 1000g per 1 cartridge). It is essential to control and keep the recommended air flow.
<b>Tcart-12</b>	Welding aerosols. Sublimates, soldering fumes. Various types of dust with majority of fine fraction (Dust with particle size less than 0.5 µm).	Preliminary coating is not necessary. For heavy duty applications. Higher speed of filtration is allowed. Longer cartridge life-time.
<b>Special cartridges, 10 m<sup>2</sup></b> For very rough working conditions.		
<b>Tcart-10</b>	Welding aerosols. Sublimates, soldering fumes. Various types of dust with majority of fine fraction (Dust with particle size less than 0.5 µm).	For extra heavy applications. Higher speed of filtration is allowed. Longer cartridge life-time.