

# Grinding Dust Suction Filter- GRINDEX



## Application

The GRINDEX suction filter is manufactured for use in all dry grinding, tool sharpening operations and where filters where incandescent particles are likely to be transmitted by air may be damaged.

## Fire-Hazard Safety Extinguishing

Thanks to the pre-separator water filter system, any spark present in the air is extinguished without encountering the filter. This prevents damage to the elephant material and a fire hazard. This system also prevents clogging of filter pockets. Thus, the operating efficiency of the filters is always high.

## Maintenance of the filter unit

GRINDEX comes with a manual mechanical filter shake device to maintain the efficiency levels of the filters. The filter section can be easily removed via the GRINDEX without the need to use any tools or wrenches. In this way, the filters can be thoroughly cleaned after long periods of use.

## Minimum overall size

Since the large-surface bag filter structure takes up less space than cylindrical filters and thanks to the compact structure, GRINDEX devices can be easily placed in laboratories or in spaces next to the machine.

## Energy-saving

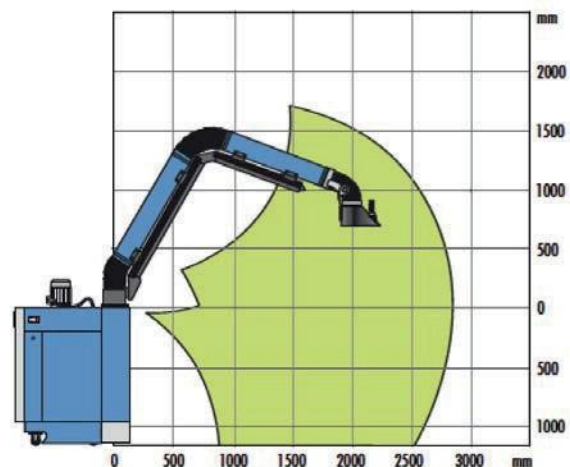
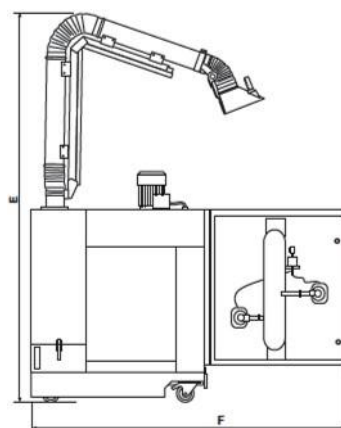
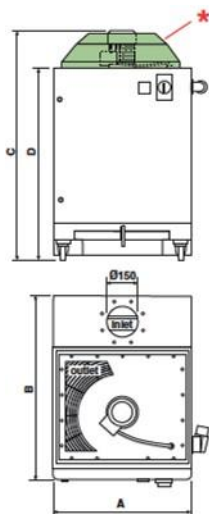
The sucked-in air can be fed back into the work area. Thus, significant energy savings are achieved in winter. By using a high-efficiency fan, operating costs have also been reduced.

## Very low noise level

GRINDEX filter device has been developed in such a way that it does not cause acoustic pollution problems. Grindex operates at a noise level as low as 70 dba. The sound absorber can be used for applications specific to plenums.

## High filtration efficiency

The special high-permeability polyester material from which the filter pockets are made ensures longer use time and better filtration efficiency (up to 95%). Compared to conventional filter media, there is a lower pressure drop. For special applications, the filtration efficiency in GRINDEX 3 is up to 99.99%.



GRINDEX DF JET	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)
DF1 0.75	675	905	1160	939	2360	1580
DF2 1.1	750	955	1382	1158	2579	1705
DF2 2.2	750	955	1422	1158	2579	1705

**GRINDEX**

CODE	50841007	50842011	50842022	50841107	50842111	50842122
GRINDEX	DF1 0.75	DF21.1	DF2 2.2	DF1 JET0.75	DF2-JET 1.1	DF2-JET 2.2
Motor Power (KW)	1 HP- 0.75	1.5 HP- 1.1	3 HP-2.2	1 HP-0.75	1.5 HP-1.1	3 HP-2.2
Air Flow ( m³/h)	1450	1880	2280	1450	1880	2280
Fan Type	PRM 220	PRM 250	PRM 250	PRM 220	PRM 250	PRM 250
Electrical Supply (V-Hz)	400-50	400-50	400-50	400-50	400-50	400-50
Fan Speed (R.P.M)	2850	2846	2845	2850	2846	2845
Avg. Noise Level (dB)	72	74	74.5	72	74	74.5
Number of Cartridges		2	2		2	2
Cartridge Size (mm)	Ø325- H400	Ø325- H400	Ø325- H400	Ø325- H400	Ø325- H400	Ø325- H400
Cartridge Type	Cellulose	Cellulose	Cellulose	Polyester	Polyester	Polyester
Cartridge Surface Area (m²)	12	2 x 12	2 x 12	8	2 x 8	2 x 8
Weight (kg)	115	150	165	125	160	175

## Accessories



**Code:50849100**  
Hepa filter plenum box



**Code:50849200**  
Hepa filter plenum box



**Code:50849101**  
Hepa Filter



**Code:50849001**  
Spark arrestor



**Code:50849010**  
Cellulose Filter



**Code:50849020**  
Polyester Filter