



AT1-JET

COMPACT CARTRIDGE FILTER

DENA AFS SRL

Via Acquaviva, 25 - Atessa (CH) - ITALY

+39 0872.320.134 - info@denaspirazioni.com - www.denaspirazioni.com



AT1-JET COMPACT CARTRIDGE FILTER

The **AT1-JET** mobile cartridge filter is the smallest model in the range, available with an airflow capacity of up to 1,500 m³/h. It can be supplied with or without an extraction arm and comes standard with an automatic cartridge cleaning system using compressed air jets.

It is ideal for extracting and filtering a wide range of dusts, including grinding fumes, dust particles of various sizes, and small amounts of chips.

The AT1-JET model filters and extracts dusty air through the side inlet using a powerful integrated fan. Heavier particles are trapped in the settling chamber and collected in the dust container. High-efficiency filter cartridges complete the filtration process by capturing any remaining fine dust particles, which are collected in a second container.

STANDARD

- INTEGRATED FAN
- AUTOMATIC CARTRIDGE CLEANING SYSTEM
- SETTLING CHAMBER
- 2 DUST COLLECTION CONTAINER
- HOUR COUNTER WITH DISPLAY
- INTEGRATED CONTROL PANEL

OPTIONAL

- AIR INLET FLANGE
- FLANGE FOR EXTRACTION ARM
- PLENUM WITH ACTIVATED CARBON FILTER OR HEPA FILTER
- SOUNDPROOFED PLENUM
- PRESSURE SWITCH FOR FILTER CLOGGING DETECTION
- CARTRIDGES WITH DIFFERENT FILTER MEDIA
- SPARK PROTECTION SYSTEM
- EXTRACTION ARM
- ECONOMIZER
- SINGLE HOPPER VERSION
- PLASTIC BAG ADAPTER
- AUTOMATIC FIRE EXTINGUISHING SYSTEM
- ATEX VERSION

DUSTBLASTERPRO

Automatic compressed air jet cleaning system to keep your filters operating at peak efficiency.



DUSTBLASTERPRO

APPLICAZIONI



GRINDING



WELDING



CUTTING



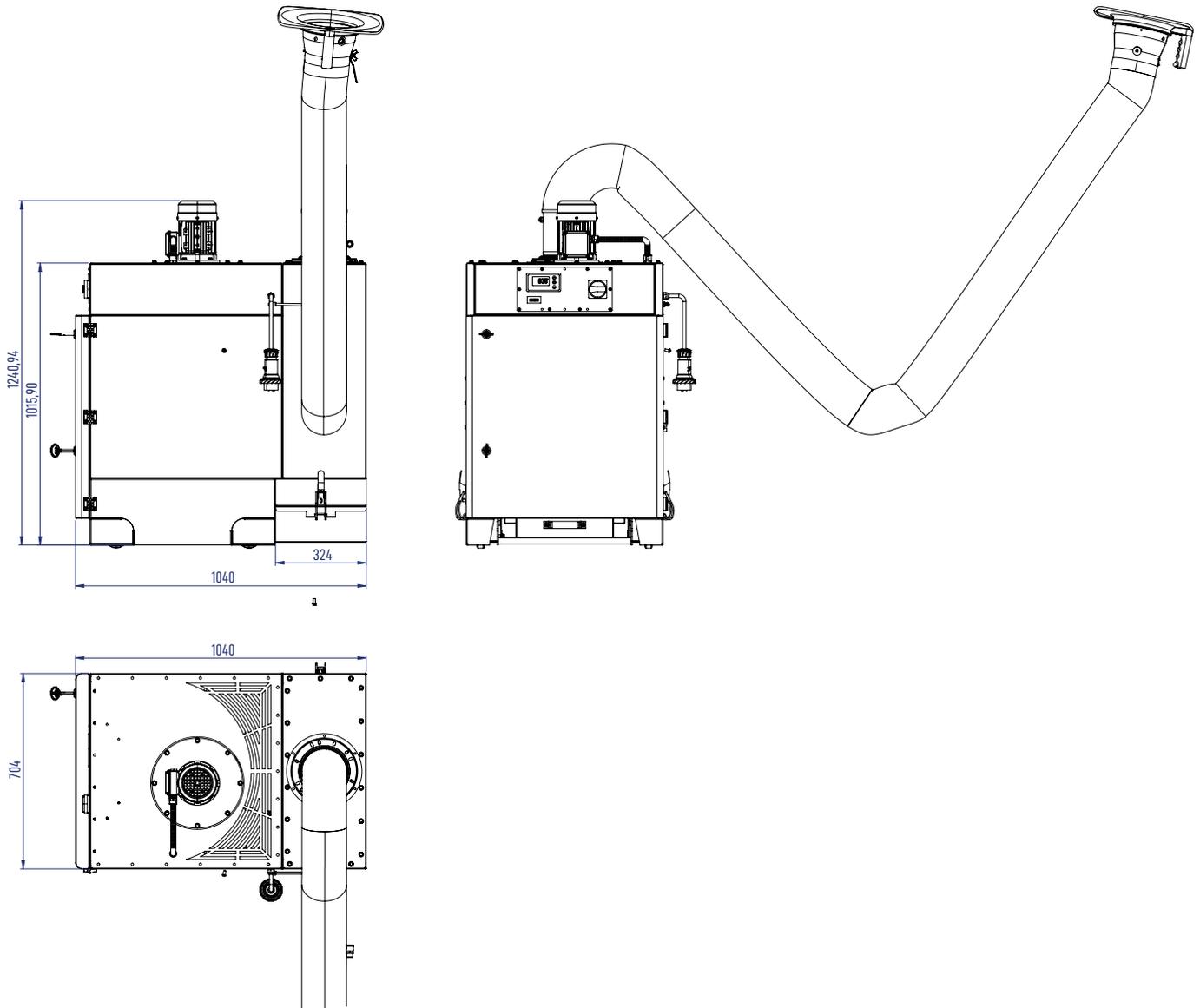
SANDING



POWDER-COATING

SPECIFICS

Dimensions are approximate and all models can be customized upon request.



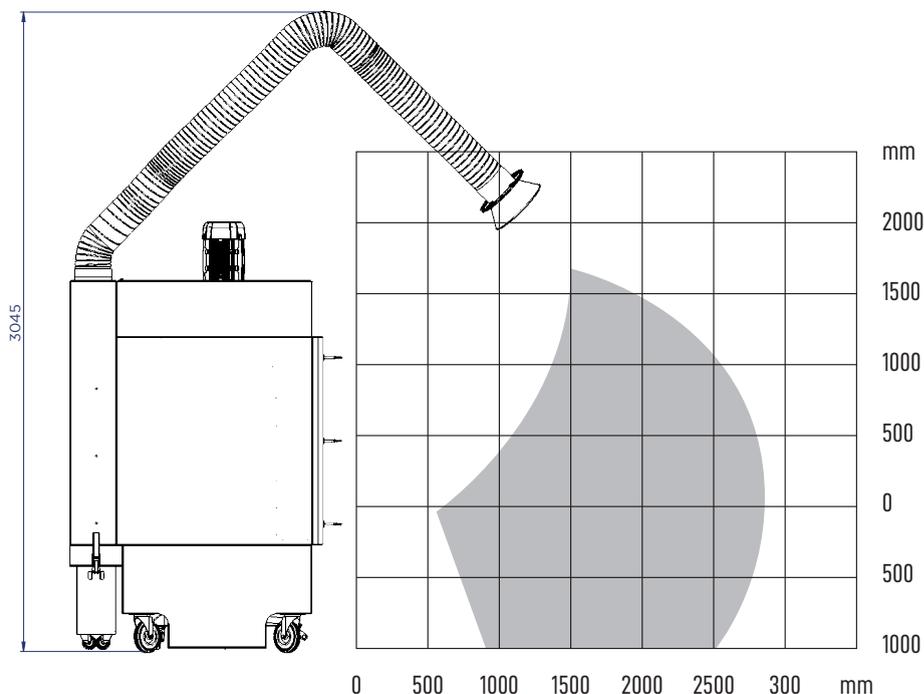
Mod.	N. of cartridges	R.P.M	Max tank pressure (bar)	Fan voltage	Fan power kW	Filtering surface m ²	Cartridge dimension mm	Filtering media	Airflow m ³ /h	Noise Level dB	Dust containers n°	Peso kg
AT1-JET	1	2865	3-4	230/400 V - 50 Hz	0,75	8	325xH660	Polyester 270 g/m ²	1500	78	2	170
AT1-JET-TU	1	2865	3-4	230/400 V - 50 Hz	0,75	8	325xH660	Polyester 270 g/m ²	1500	78	1	170

(TU= SINGLE HOPPER VERSION)

OPTIONAL EXTRACTION ARM

1 EXTRACTION ARM 360° ROTATION

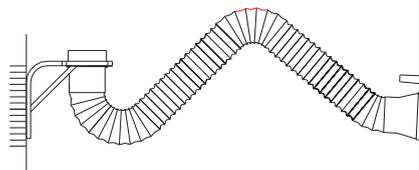
- KIT 1 braccio aspirante con raccordo e flangia
COD. BRAT1030



AREA DI ASPIRAZIONE

Dena flexible arms feature fully flexible tubing supported by an internal structure with a single pantograph. The arms have a diameter of 160 mm and a nominal reach of 2, 3, 4, and 5 meters, with or without a horizontal extension.

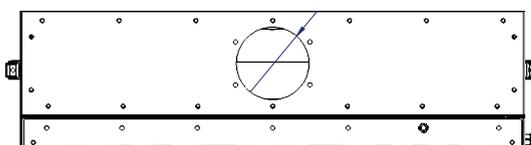
- Fully flexible tubing along the entire length, heat-resistant up to 90°C
- "High Efficiency" plastic hood with rotating screen and integrated handle
- Swiveling base with 160 mm diameter groove
- Wall-mounted bracket with fitting
- Available with mesh spark protection



2 INLET CONNECTION FLANGE AND ADAPTER BOX

Available separately

- Adapter and flange for 1 arm
COD. FLBR0001



OTHER OPTIONALS

- 1** | **AUTOSTART WELD**
Current sensing sensor for automatic start with welding machines
- **COD. QEA01**



- 2** | **CARTRIDGE CHOICE**
Various cartridge options depending on application

- Teflon coated
COD. CAR-M/PT-ATS
- Antistatic polyester
COD. CAR-M/PAT-ATS
- PTFE membrane
COD. CAR-M/PTF-ATS
- H13 PTFE membrane
COD. CAR-M/PTFH-ATS



- 3** | **SOUNDPROOFED PLENUM**
Powder-coated steel
- **COD. AT120000304**



- 4** | **PLENUM WITH ACTIVATED CARBON OR HEPA FILTER**
- with activated carbon
COD. AT120000431
 - with HEPA 13 filter
COD. AT120000481



- 5** | **EXIT DUCTING KIT**
- **COD. AT100IN1**



- 6** | **FIRE EXTINGUISHER**
Manual or automatic
- Manual fire extinguisher
COD. ESEXM01
 - Automatic fire extinguisher with control panel
COD. ESEXA01



- 7** | **CONTROL PANEL WITH INVERTER**
- **COD. SRQE030**



- 8** | **ECONOMIZER**
Allows for precise analysis of the filter's condition.
- **COD. E1-TX01**







WHY CHOOSE DENA?

Since 1968, Dena has specialized in the design, construction, and installation of dust and fume extraction and treatment systems in various industrial sectors, both small and large. To ensure effective pollution control, we provide a wide range of technologies selected based on the type of gas or dust to be treated and the emission limits to be met.

All the main components of the suction systems are manufactured in Dena's facilities. Our in-house engineering team allows us to customize each product according to the specific needs of the client. Our R&D department, aided by fluid dynamics simulation software, enables us to ensure continuous innovation in all filtration units, including sleeve filters, cartridge filters, coalescing filters, electrostatic filters, cyclones, and scrubbers.

Our extensive knowledge of production processes and customer needs allows us to configure any air suction and filtration system. We offer our customers turnkey systems and dedicated support to provide qualified assistance at every stage of the purchasing and installation cycle.



UNI EN 1090

**CERTIFIED
COMPANY**



ISO 9001

dena
AIR FILTRATION SYSTEMS

DENA ITALIA

GLOBAL HEADQUARTERS

66041 Atessa (CH)
Call center : +39.0872.320.134

DENA UK

Faversham, Kent, ME13 7FD
info@dena-afs.uk
sales@dena-afs.uk
Tel. +44 (0)1227 467876

DENA SPAIN

DENA IBÉRICA
ASPIRACIONES INDUSTRIALES
Carretera de Vic a Manlleu kilómetro 1,5
08503 Gurb (Barcelona)
tecnico@sistemasdeaspiracionesdena.es