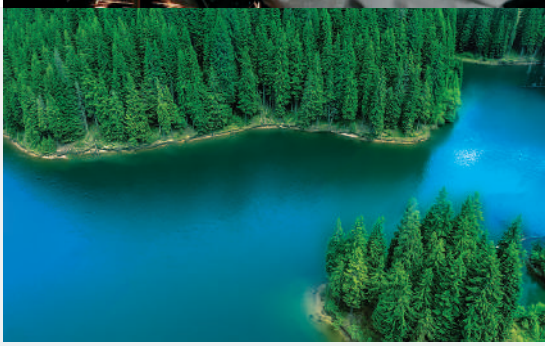
Grindex DF JET

Portable, self-cleaning extractors for grinding dust







Grindex DF

Grindex **DF 2 JET**

CORAL

Innovative Air Solutions
For a cleaner future.

Design

The Grindex DF JET range of portable extractors is designed to capture and filter metal grinding dust and welding fumes generated by machining processes in the mechanical industry. Pollutants are collected at the source and conveyed to the filter through rigid or flexible ducting connected to a hood.

Grindex DF Jet

2 Models

Optional TRIPLEX plenum

Painted 3-hole air inlet plenum Ø6.3"

Optional soundproof plenum

Painted

Rear bin

Stainless-steel water container for spark extinguisher, with level control



Pneumatic cleaning system

With compressed air

Cartridge filter Ø12.8" H16" M-PES 0.06 lb/ft²

Front bin

Fine dust collection bin

Highlights

- **Compact** footprint.
- Very **quiet operation.**
- Suitable for glowing particles, thanks to the **spark extinguishing system**.
- Reduced fire risk due to integrated **water tray**.
- **Easy maintenance** thanks to horizontally positioned cartridges.
- Allows connection of **one or two extraction arms**.
- **Plug & Play solution**, no installation required.

Applications







Welding | Grinding | Deburring | Fine dry dust

Filtration technology



IFA-BGIA: Institute for Working Safety and Health (Bonn, Germany)
AGW: Working Exposure Limit Value (Arbeitsplatzgrenzwerte)

DESCRIPTION AND PURPOSE

The IFA-BGIA institute works to ensure the safety and health of workers in the workplace. Filter materials are evaluated according to the L, M, and H classification system. The institute also defines an exposure limit value (AGW), above which worker safety is no longer guaranteed. The exposure limit represents the concentration of a pollutant in the air that a person can safely breathe for a short period of 15 minutes without immediate toxic effects.
The IFA-BGIA test is performed using the following parameters:

- Passage velocity: 11.02 ft/min
- Quartz dust concentration: 200 ± 20 mg/m^3
- Variable particle size: 0.2 - 2 microns

CLASS OF USE	CONCENTRATION	MAXIMUM AUTHORISED RELEASE
M	Filtering out dust with AGW values ≥ 0.1 mg/m^3	>99,9%

Easy access, quick and simple maintenance






The horizontal cartridge arrangement allows for easy access and fast, straightforward maintenance of the filter section.

Filter Media

MEDIA	MATERIALS	sq ft	oz/yd^2	STANDARD	OPTIONAL
M PES	POLYESTER	86.1	8	■	
M PES TF	POLYESTER / PTFE COATING	86.1	8		■
M PES/ FR	POLYESTER / FLAME RETARDANT	86.1	8		■
M-PES/AX/EXAM ACCREDITED	POLYESTER/ALUMINUM COATED /ANTISTATIC	86.1	8		■

STANDARD
DF 2 JET



M PES

OPTIONAL
DF 2 JET



M PES TF

OPTIONAL
DF 2 JET



M PES/ FR

OPTIONAL
DF 2 JET



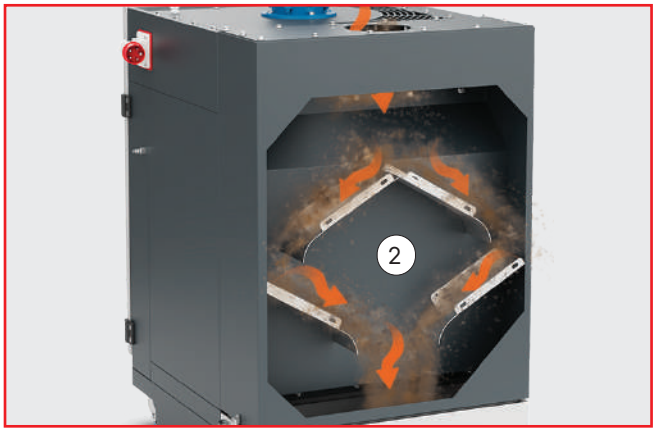
M PES/AX/EXAM ACCREDITED

Principle of operation

In the Grindex DF JET, the air extracted through the duct is directed into the settling chamber, where the heaviest dust particles drop into the water tray, which serves as a spark-extinguishing system. The remaining dusty air then passes through the cartridge filter, where fine particles are captured. The filter is automatically cleaned by a compressed-air pulse that removes accumulated dust. The purified air is finally discharged upward through the fan and expelled through the grille at the top of the unit.

Grindex DF JET









POLLUTED AIR FILTERED AIR

① Polluted air inlet
② Pre-separation chamber
2a Spark trap
③ Stainless steel water container for spark extinguisher with level control
④ Front collection bin
⑤ Filter cartridges
⑥ Fan
⑦ Filtered air outlet
⑧ Pressure gauge Start/Stop switch
⑨ Compressed air tank

Production range



Grindex DF 2 JET

Very compact, low-noise portable extractor designed to capture dry grinding and tool-sharpening dust, including incandescent particles. The cartridge is automatically cleaned using a compressed-air system.

Cartridges (nr)	**Power** (HP)
2	1.5
2	3

Technical features

Technical features		**Model Grindex DF JET**	
		DF 2 JET - 1.5	**DF 2 JET - 3**
Power	HP	1.5	3
Nominal airflow	CFM	1109	1345
Number of cartridges		2 x Ø12.8 in - H 15.8 in	2 x Ø12.8 in - H 15.8 in
Filtering Surface	sq ft	2 x 86.1	2 x 86.1
Cartridge classification		POLYESTER	POLYESTER
Pneumatic cleaning		YES	YES
Front bin storage capacity	gal	5.3	5.3
R.P.M.		3420	3420
Fan power supply	V Hz	110 60	230/460 60
Noise level	dB	74	74.5
Noise level with soundproofing (optional)	dB	70	71
Weight	lb	353	386

Standard Components

DF 2 JET



Stainless steel water container for spark extinguisher with level control

DF 2 JET



Thermal Start/Stop switch

DF 2 JET



Automatic compressed air cleaning system

DF 2 JET



Differential pressure gauge

DF 2 JET



Single-phase plug with 18 ft power cord

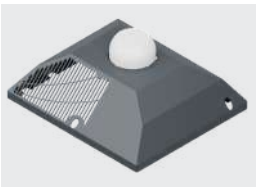
Options

DF 2 JET



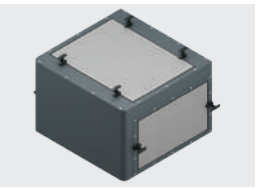
TRIPLEX air inlet plenum (3 holes Ø6.3")

DF 2 JET



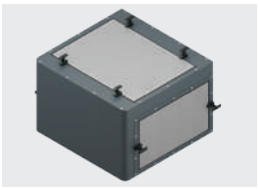
Painted soundproof plenum

DF 2 JET



Painted soundproof plenum with activated carbons

DF 2 JET



Painted soundproof plenum with absolute HEPA filter H 13 (optional H14)

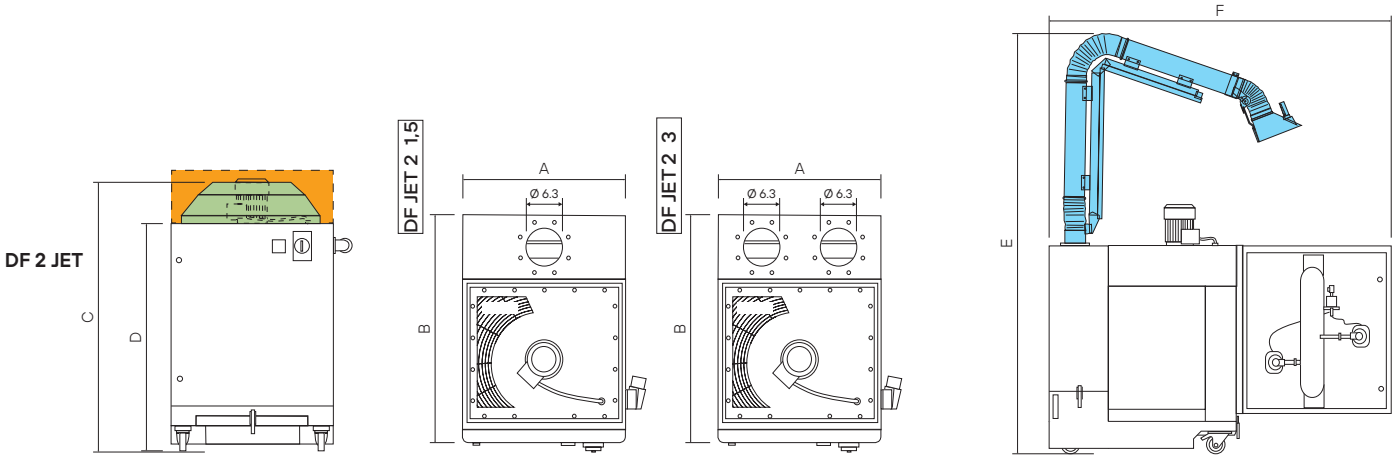
DF 2 JET



Evolution No Smoke extraction arm

Overall dimensions

Grindex DF JET



MODEL	DIMENSIONS (in)					
	A	B	C	D	E	F
Grindex **DF 2 JET - 1.5**	29.5	37.5	54.4	45.5	101.5	67.1
Grindex **DF 2 JET - 3**	29.5	37.5	55.9	45.5	101.5	67.1

Packaging information



MODEL	DIMENSIONS (in) AxBxH	WEIGHT (lb)
Grindex **DF JET 2 1,1**	35 x 41 x 62	375
Grindex **DF JET 2 2,2**	35 x 41 x 62	375

All images and values on this catalogue are indicative and can be subject to modification and improvements. CORAL USA reserves the right to change them without previous advice.



Coral USA

Coral USA provides innovative fume extraction and dust collection solutions for industrial applications.
With decades of experience, Coral combines technical expertise, reliable performance, and a strong commitment to helping you maintain a safer, cleaner, and more productive workplace.

Based in Texas, we're ready to support your business with advanced solutions, responsive service, and ready-to-ship inventory.

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For a cleaner future.

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