



**CORAL U.S.A. Controlled Air Design**  
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## WELDING | GRINDING | DEBURRING | SMALL DRY DUST

### OVERVIEW

The Coral GRINDEX DF JET is a portable dust and fume collector which utilizes our special high efficiency filter cartridges. The Coral GRINDEX DF JET is specifically designed to capture grinding and deburring dust at the source which keeps the operator and the nearby workers' breathing zone clear of dangerous dust and particles. The Coral GRINDEX DF JET also includes a manual compressed air cleaning system to keep our specially designed filter cartridges operating for long periods of time.

### WORKING PRINCIPLE

The Coral GRINDEX DF JET extracts the air contaminated with solids and particulate from any dry grinding process such as handheld grinders up to the automated machine grinders.

The extracted air is then conveyed through a series of pipes or flexible duct to the inlet of the Coral GRINDEX DF JET where a specially designed stainless steel wet pre-chamber tray is equipped with a spark trap to extinguish any live sparks from the grinding operation eliminating any **fire hazards**.

The air contaminated with particulate then passes through our specially designed filter cartridges which remove 99% of the airborne contaminants. Clean, healthy to breathe air is then returned to the work environment.

The Coral GRINDEX DF JET includes a **differential pressure gauge** to continuously monitor the filter cartridges and provide the operator a visual indication of the filter cartridge life.

### MANUAL CLEANING SYSTEM

The Coral GRINDEX DF JET extracts the air contaminated with solids and particulate from any dry grinding. During operation, the Coral GRINDEX DF JET is always operating at peak efficiency thanks to our manual pneumatic cleaning system. Compressed air stored in an internal tank allows the operator to initiate a manual back pulse cleaning of the filter cartridges. When the cleaning cycle is manually initiated, a blast of compressed air is released inside the filter cartridges creating a shock wave that forces the filter cartridges to release the particles from the surface. The collected solids fall by gravity to a lower collection bin.

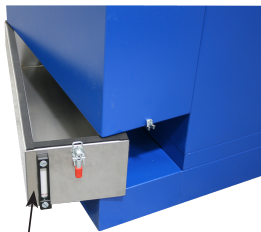
The Coral GRINDEX DF JET includes a differential pressure gauge to continuously monitor the filter cartridges and provide the operator a visual indication of the filter cartridge life.

# GRINDEX DF JET

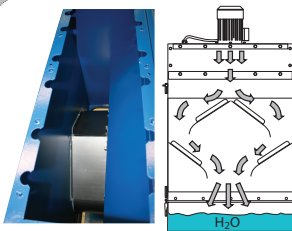
Extraction and capture of grinding dust



ONLY GRINDEX DF-JET



STAINLESS STEEL CONTAINER WITH WATER FOR SPARKS EXTINGUISHER



SPARK TRAP

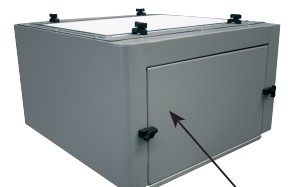


MANOMETER differential pressure gauge to monitor the filter life.

## OPTIONS

SOUNDPROOF BOX FOR FAN

TRIPLEX INLET CONNECTION Ø 6"



PLENUM WITH HEPA FILTER



EVOLUTION NO-SMOKE ARM



WELDING | GRINDING | DEBURRING | SMALL DRY DUST

# GRINDEX DF JET

Extraction and capture of grinding dust

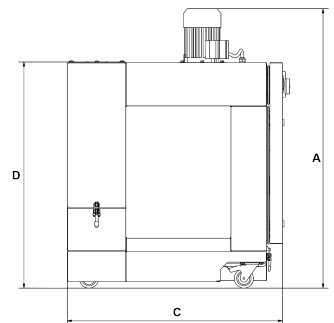
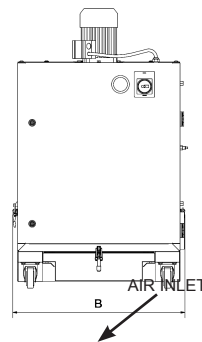
## DIMENSIONS

	GRINDEX DF JET		
	DF1	DF2	DF2
Height (A)	45.6"	54.4"	55.9"
Width (B)	26.5"	29.5"	29.5"
Depth (C)	35.6"	37.5"	37.5"
D	36.9"	45.5"	45.5"

Dimensions (inch)

FRONT VIEW

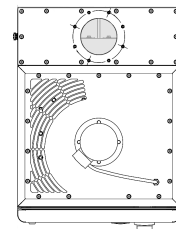
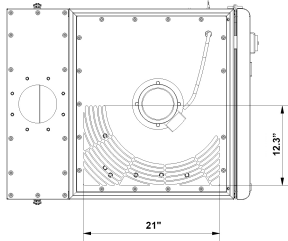
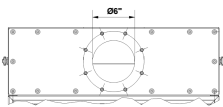
LEFT VIEW



Dimensions (inch)

AIR INLET

AIR OUTPUT



TOP VIEW

## PERFORMANCE

	GRINDEX DF JET		
	DF1	DF2	DF2
Power [Hp]	1	1,5	3
Power supply voltage [V]	1Ph 120V	1Ph 120V	3Ph 220/440V
Frequency [Hz]	60	60	60
RPM	3450	3450	3450
Nominal air flow [cfm]	856	1109	1345
Front bin storage capacity [gal US]	3.17	5.28	5.28
Ext. S.P. Inches of Water	4" H <sub>2</sub> O	4" H <sub>2</sub> O	4" H <sub>2</sub> O
Sound level dB(A)	72	74	74,5
Sound level with plenum dB(A)	65	70	70

	GRINDEX DF JET		
	DF1 JET	DF2 JET	DF2 JET
Weight (lb)	275	352	385
Number of cartridges	1	2	2
IFA/BGIA rating	M PES Polyester	M PES Polyester	M PES Polyester
Cartridges dimensions (Inch)	Ø12.8" x 15.75"	Ø12.8" x 15.75"	Ø12.8" x 15.75"
Filtering surface (Sqft)	86.1	2 x 86.1	2 x 86.1



**GRINDEX DF-JET**  
with automatic  
cartridge cleaning