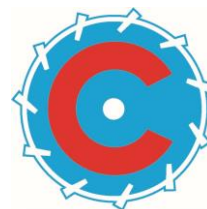
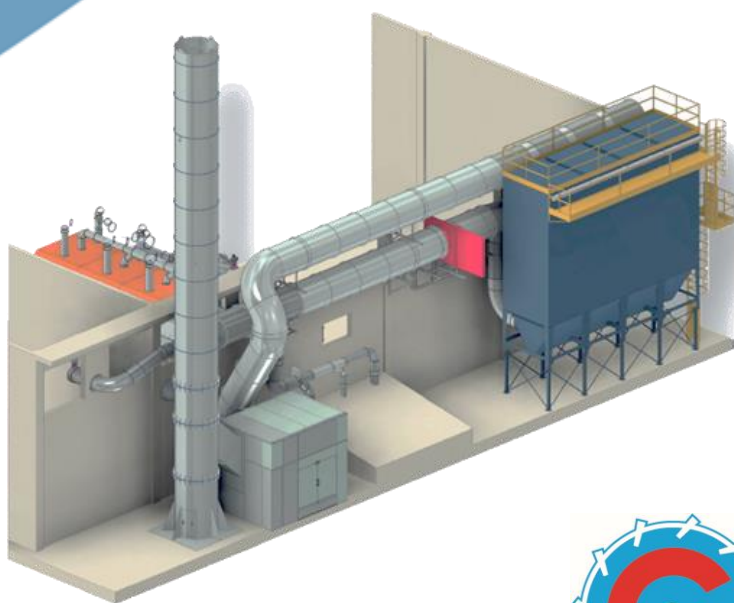


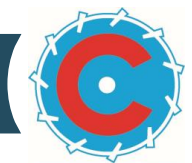


LEADING INDUSTRIAL AIR FILTRATION SYSTEMS



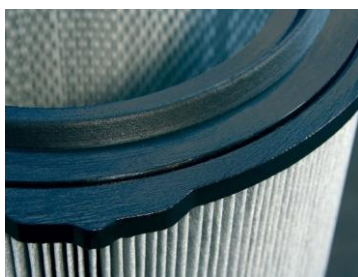
Industrial Pollution Control Solutions Meeting Global Standards



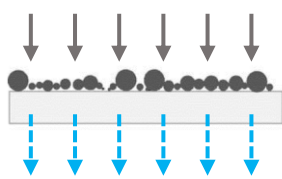
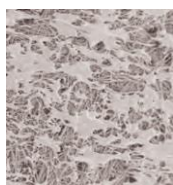


Cartridge Filters

CARTRIDGE FILTERS



Surface Loading Cartridges are made of filter boards, which block dust on its surface. Hence, filter regeneration by pulsejet is very effective. The pleated design however, may trap large particle, hence they are recommended for filtering only fumes and fine/dry dust.



Low Maintenance Cartridges can be regenerated very effectively by automatic pulsejet cleaning systems. User benefits include longer filter replacement cycles, ultra-low maintenance and high operating uptime. Consequently, filter cartridges are more expensive to replace.

Small Filter Footprint Cartridges are usually constructed in pleats, providing a much larger filtering surface area. Hence filter unit are designed with much smaller footprint, ideal for smaller space. However, dust concentration limits should be observed.

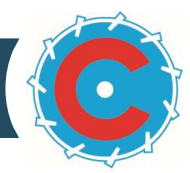
Filter Treatments Coral offers 2 type of filter media: Cellulose (disposable) or Polyester (renewable), that can be selected depending of usage type. Additional filter coatings can be requested like Teflon coating, Anti-Static coatings and even PTFE membranes. All filter cartridge media have undergone DGV/IFA testing and have been assigned filtration certification of either Class "L" or Class "M".

Filter Type	Description	Renewable
L-CEL	Cellulose 129g/m ²	N
M-CEL	Cellulose 213g/m ²	N
M-NANOTECH	Cellulose 114g/m ² , Nano-fibre coating	N
L-PES	Polyester 200g/m ²	Y
M-PES	Polyester 270g/m ²	Y
M-PES/OWR	Polyester 270g/m ² + OleoHydrophobic	Y
M-PES/TF	Polyester 270g/m ² + Teflon Coating	Y
M-PES/AX-EXAM	Polyester 270g/m ² + Anti-Static Coat	Y
M-PES/PTFE	Polyester 280g/m ² + PTFE Membrane	Y
M-PES/PTFE-H	Polyester 280g/m ² + PTFE MembraneH	Y

Dust Type vs Recommended Filter Type		Load (m ³ /hr/m ²)	Filter Crossing Speed (m/min)
Asbestos Powder	MPES/AX	48	0.5 - 0.8
Alumina powder	MPES/AX	30	0.3 - 0.5
Aluminium powder	MPES/AX	48	0.5 - 0.8
Brass polishing powder	MPES	54	0.7 - 0.9
Calcium Sulphate powder	MPES/TF	60	0.8 - 1.0
Cast iron grinding powder	MPES/TF	72	1.0 - 1.2
Cast iron powder	MPES	48	0.5 - 0.8
Cement	LPES	60	0.8 - 1.0
Ceramic powder	LPES	60	0.8 - 1.0
Ceramic shot blasting powder	LPES	78	1.1 - 1.3
Chalk Powder	MPES	48	0.5 - 0.8
Clay powder	MPES/TF	48	0.5 - 0.8
Coal Ash Powder	MPES/TF	48	0.5 - 0.8
Coal Powder	MPES/AX	60	0.8 - 1.0
Coffee powder	LPES	72	1.0 - 1.2
Drug powder	MPES	48	0.5 - 0.8
Earth powder	LPES	60	0.8 - 1.0
Fertiliser powder	MPES	48	0.5 - 0.8
Food powder	MPES/TF	48	0.5 - 0.8
Graphite powder	MPES/AX	36	0.5 - 0.6
Lamp Black	MPES/TF	30	0.3 - 0.5
Laser cutting fumes	MPES/TF	36	0.5 - 0.6
Leather powder	MPES/AX	60	0.8 - 1.0
Lime powder	MPES	36	0.5 - 0.6
Limestone	LPES	78	1.1 - 1.3
Marble Powder	MPES/AX	48	0.5 - 0.8
Meal	MPES/AX	48	0.5 - 0.8
Metal coating powder	MPES/AX	42	0.5 - 0.7
Metal milling powder	MPES/AX	72	1.0 - 1.2
Metal sanding blasting	LPES	60	0.9 - 1.0
Milk powder	MPES/TF	48	0.5 - 0.8
Paper powder	MPES/AX	60	0.83 - 1.0
Pickled steel welding fumes	MPES	60	0.8 - 1.0
Pigment powder	MPES/AX	30	0.4 - 0.5
Plastic powder	MPES/AX	50	0.8 - 0.83
Plexiglas laser cutting	MPES	30	0.4 - 0.5
Powder Painting	MPES/AX	60	0.8 - 1.0
Rich Metallic powder	MPES-OWR	50	0.8 - 0.83
Rich steel welding fumes	MPES/TF	48	0.5 - 0.8
Rubber cutting powder	MPES	60	0.8 - 1.0
Salt powder	MPES/AX	35	0.5 - 0.58
Sawdust	LPES	72	1.0 - 1.2
Silica / Silicate	MPES/AX	60	0.8 - 1.0
Stainless steel grinding powder	MPES/TF	60	0.8 - 1.0
Stainless steel laser cut fumes	MPES/TF	36	0.5 - 0.6
Stainless steel plasma cut fumes	MPES/TFMA	48	0.5 - 0.8
Stainless steel polishing powder	MPES	72	1.0 - 1.2
Stainless steel shot blasting	LPES	66	0.9 - 1.1
Starch	MPES	48	0.5 - 0.8
Stainless steel welding fumes	MPES	60	0.8 - 1.0
Stainless steel welding fumes	MPES/TF	48	0.6 - 0.8
Steel grinding powder	MPES/TF	72	1.0 - 1.2
Steel shot blasting powder	LPES	60	0.8 - 1.0
Stone shot blasting powder	LPES	78	1.1 - 1.3
Sugar powder	MPES/AX	54	0.8 - 0.9
Talcum powder	MPES	34	0.3 - 0.56
Tobacco powder	LPES	60	0.8 - 1.0
Toner Powder	MPES/AX	34	0.36 - 0.56
Waste incinerator Ash	MPES	36	0.5 - 0.6

** Contact us to find out which filters are suitable for your specific applications





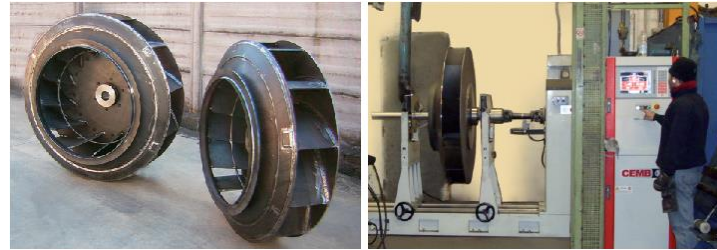
Centrifugal Blowers



INDUSTRY LEADING BLOWERS

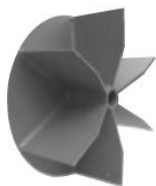
Fans manufactured by CORAL are recognised in the market for being energy efficient, quiet running, high performing as well as being robust and durable. We are well trusted by industrial user who value these trouble-free and cost saving characteristics

- Manufacturing quality to EU Norms 2006/42/EC".
- Performance values provided UNI EN ISO5801:2009.
- Sound power levels are in compliance to UNI EN ISO 3746:1997
- Fan efficiency conforming to regulation directive 2009/125/EC
- Function check and running test pursuant to ISO14694.
- Spark resistant fans classified Type "C" compliant UNI ISO 13349
- ATEX fan in compliant to EC directive 2014/34/UE
- All ATEX compliant fans are certified by TUV NORD commission



ROTOR BALANCING

All wheels manufactured by CORAL are balanced twice: statically and dynamically in compliance with IS1940/1, with a balancing degree of 6.3 This balancing method though time-consuming gives CORAL blowers a high performance and dependability, all whilst running smoothly over a longer time, and quieter in operation.



PDC, PDM
Open Vane
Large Chips



PR, PRM
High Flow
Low Pressure



PRH, PRU
Middle Flow
Mid Pressure

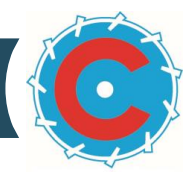


PRA, PRVM
Middle Flow
High Pressure



VAPG, VAPE
Low Flow
Highest
Pressure





Centrifugal Blowers



ESEC 4

Direct-driven with motor on pedestal chair. Front flange legs optional



ESEC 5

Direct-driven fan for direct coupling to equipment. Extension flange on inlet side



ESEC 8

Direct coupling of fan to motor via elastic joint. Achieves near positive drive with easy maintenance



ESEC 9

Belt driven fan with motor mounted on the pedestal. Protection guards over V-belts



ESEC 12

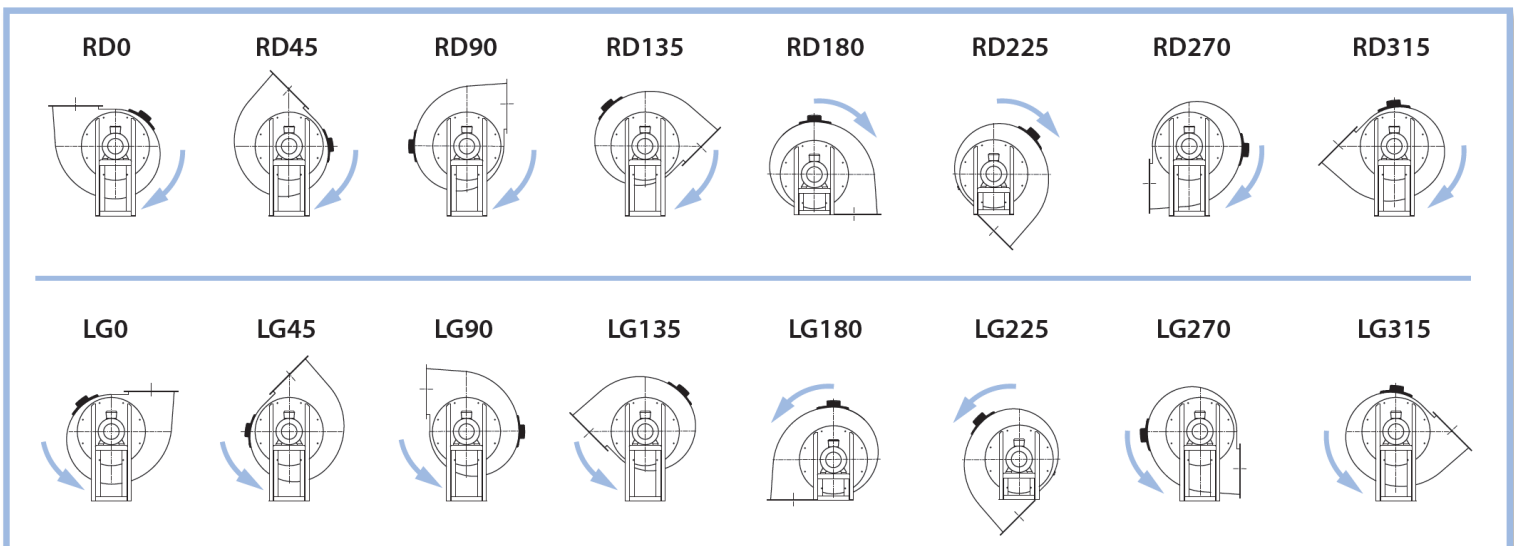
Belt driven fan with motor mounted steel base. Protection guard over drive belts

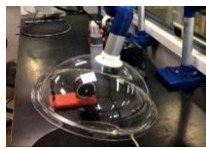
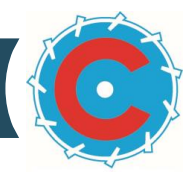
FAN OPTIONAL FEATURES

3GD	ATEX 3GD with brass inlet, shaft seal
2GD	ATEX 2GD. Additional arc-gas welded fan case
PTC	Thermistor protection & rear insulated bearing
NBR	Single lip sealing ring on fan-shaft interface
GCD	Cooling impeller on the fan-shaft for hot gas
TS	Drain plug on fan case bottom for water drainage
PORT	Inspection door on fan case
GA / GP	Vibration damping joint at Inlet / Outlet
PD	Front flange legs on inlet size
RA / RP	Fan Protection Net on Inlet / Outlet

FAN CONSTRUCTION MATERIALS

Fe360	General use without aggressive substance. Peak temperature of 250degC
AISI304L	Good anti-corrosive properties. Peak temperature of 400degC
AISI316L	Excellent anti-corrosive properties. Peak temperature of 500degC
Cor-Ten	Fe510 Rustproof steel enriched with manganese. Thermal application with anti-corrosive application
Hardox400	Strengthened impeller, fan case rear For highly abrasive dust application.
ReH700	Good cold workability & mechanical characteristics Used only for impeller and for peak up to -40degC





PROBIS ARM

- Compact extraction arm for lab and small work applications
- Pipes in Aluminium / Steel, with external extractor required
- 2 joint articulating design with joint locks, flow setting damper
- Full range of hood, hose, mounting brackets available

MODEL	Arm Diameter	Arm Type	Required Air flow
PROBIS / A	Dia50mm	Aluminium	175 m ³ /hr per arm
PROBIS / C	Dia62mm	Steel	270 m ³ /hr per arm



DYNAFLEX-160

- Basic fumes extraction arm, available in wall (W) or cart (C) mounted version
- Multi-rod linkage for hose support
- NO-SMOKE FLEX fully flexible suction hose
- WINGHOOD polypropylene hood with flex setting damper

MODEL	Pipe length	Reach (Open)	Pressure Loss @ 15~20m/s
DYNAFLEX 160/2	2 metre	1750 mm	125~200 mmh ₂ O
DYNAFLEX 160/3	3 metre	3000 mm	125~200 mmh ₂ O
DYNAFLEX 160/4	4 metre	4000 mm	125~200 mmh ₂ O



EVOLUTION NO-SMOKE

- Best in class extraction arm for fumes and dust and demanding applications
- Patented external spring support allow ease of use and low maintenance
- No obstruction pipe internal allow low-loss and low wear operation
- Heavy duty rotary bearing for effortless swivelling, wall or cart mounted
- Choice of pipes: Galvanised (standard), Aluminium, or SUS304
- **ATEX certified** model available on request



MODEL	Pipe length	Reach (Open)	Hood Type
EVOLUTION 100/2.7	2.7 metre	2200 mm	Aluminium hood with handle
EVOLUTION 125/3.0	3 metre	2600 mm	Metal hood with handle
EVOLUTION 125/4.0	4 metre	3600 mm	Metal hood with handle
EVOLUTION 160/3.0	3 metre	2800 mm	Winghood with Flow damper
EVOLUTION 160/4.0	4 metre	3600 mm	Winghood with Flow damper
EVOLUTION 180/3.0	3 metre	2800 mm	Aluminium hood with handle
EVOLUTION 180/4.0	4 metre	3720 mm	Aluminium hood with handle
EVOLUTION 200/3.0	3 metre	2600 mm	Aluminium hood with handle
EVOLUTION 200/4.0	4 metre	3730 mm	Aluminium hood with handle
EVOLUTION 250/3.0	3 metre	3000 mm	Aluminium hood with handle
EVOLUTION 250/4.0	4 metre	4000 mm	Aluminium hood with handle

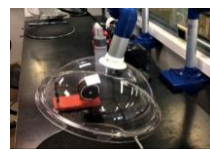
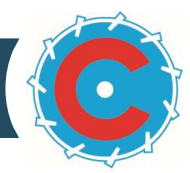


EVOLUTION TELESCOPICO 150

- Telescopic variation of the EVOLUTION ARM for restricted spaces
- Primary segment support by external spring system
- Extension segment extensible on a Telescopic rod
- Fitted with BIAXE 2 axis swivelling hood mounting support

MODEL	Pipe length	Reach (Open)	Hood Type
EVOLUTION 150/3.0	3 metre	2800 mm	Winghood with Flow damper





CZ EXTRACTION RAIL

- Modular sliding extraction rail for fumes and smoke
- Curve and straight sections are available
- Mounting on wall or ceiling with suitable brackets
- Sliding carriage system rollers for mounting of hose-reel or arms
- Rubber gasket seals the track segment

MODEL	Max Exhaust	Cross Section	Equivalent Size
CZ	2,350 m ³ /hr	220 x 135 mm	D195 mm
CZ-1	3,800 m ³ /hr	220 x 200 mm	D248 mm
CZ-2	6,900 m ³ /hr	220 x 400 mm	D334 mm
CZ-3	13,850 m ³ /hr	350 x 500 mm	D472 mm



BANDIERA-2000

- Wall mounted swivelling extension jib for Dynaflex and Evolution
- Allow arm to rotate 360degrees below extension

MODEL	Available diameters	Available extension lengths
BANDIERA-2000	D100 - 125 - 150 - 180 - 200 - 250mm	2 / 3 / 4 metres



SKYHOOD

- Extraction hood ideal where direction extraction is not possible
- Modular design with easy assembly
- Can be ceiling mounted, or floor mounted with legs
- Innovative extraction slots provide high extraction efficiency at low air volumes

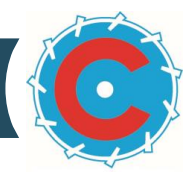
MODEL	Required Airflow	Hood Size
SKYHOOD 2x2	4,320 m ³ /hr	2000 x 2000 mm
SKYHOOD 2x3	6,480 m ³ /hr	3000 x 2000 mm
SKYHOOD 3x3	9,720 m ³ /hr	3000 x 3000 mm



EUREKA ERK

- Heavy duty extraction hose reel
- Metal frame and carousel with heavy duty bearings
- Winding and unwinding either manual or motorised with stop
- Can be mounted to ceiling/wall or CZ extraction rail
- Tough flexible hose with optional end circular flare hood

MODEL	Hose Dia.	Hose Lengths	Unwinding	Option Hood	Option Fan
ERK-75	D75 mm	7.5 /10/ 13 mtr	Manual	D75>140mm	0.5HP
ERK-100	D100 mm	7.5 /10/ 13 mtr	Manual	D100>140mm	0.5HP
ERK-125	D125 mm	7.5 /10/ 13 mtr	Manual	D125>200mm	0.5HP
ERK-150	D150 mm	10/ 17 mtr	Manual	D150>200mm	0.5HP
ERKT-75	D75 mm	7.5 /10/ 13 mtr	Motorised	D75>140mm	0.5HP
ERKT-100	D100 mm	7.5 /10/ 13 mtr	Motorised	D100>140mm	0.5HP
ERKT-125	D125 mm	7.5 /10/ 13 mtr	Motorised	D125>200mm	0.5HP
ERKT-150	D150 mm	10/ 17 mtr	Motorised	D150>200mm	0.5HP



Downdraft Benches



POLIWELD-DF (-) Spark Trap + MCEL Pulsejet

- Downdraft bench for with front suction wall
- Standalone with fully integrated fan, filter, cleaning system
- Worktop with Polypropylene protective covering
- Spark arresting mesh pre-filter ideal for hot fumes
- Horizontally mounted filter with maintenance door
- MCEL (IFA-Certified) Cellulose cartridge, D325 L660mm
- AFON Silencer with diffuser for air recycling
- Lower dust collection drawer

Optional

- Side covering wall
- Work area with lamp
- Auto Fire Extinguisher

MODEL	Table Size	Airflow	Cartridges	Surface	Noise
POLIWELD-DF1500 / 2.2kW	1500x900mm	4,000m ³ /hr	3pc M-CEL	54m ²	76dB(A)
POLIWELD-DF2000 / 3.0kW	2000x900mm	5,000m ³ /hr	5pc M-CEL	90m ²	78dB(A)
POLIWELD-DF2500 / 4.0kW	2500x900mm	6,000m ³ /hr	6pc M-CEL	109m ²	79dB(A)



POLIJET-DF (-) Spark Trap + MPES/TF Pulsejet

- Downdraft bench for with front suction wall
- Standalone with fully integrated fan, filter, cleaning system
- Worktop with Polypropylene protective covering
- Spark arresting mesh pre-filter ideal for grinding dust
- Horizontally mounted filter with maintenance door
- MPES/TF (IFA-Certified) Polyester cartridge, D325 L660mm
- Automatic Reverse Pulsejet filter cleaning system
- PLC-controlled cleaning with pre/post cleaning
- TURBO air receiver tank, fully immerse solenoid valve
- AFON Silencer with diffuser for air recycling
- Lower dust collection drawer

Optional

- Side covering wall
- Work area with lamp
- Auto Fire Extinguisher

MODEL	Table Size	Airflow	Cartridges	Surface	Noise
POLIJET-DF1500 / 2.2kW	1500x900mm	3,800m ³ /hr	3pc M-PES/TF	33m ²	76dB(A)
POLIJET-DF2000 / 3.0kW	2000x900mm	4,800m ³ /hr	5pc M-PES/TF	55m ²	78dB(A)
POLIJET-DF2500 / 4.0kW	2500x900mm	5,000m ³ /hr	6pc M-PES/TF	66m ²	79dB(A)



POLIWOOD-DF (-) LPES Pulsejet

- Downdraft bench with optional front wall
- Standalone with fully integrated fan, filter, cleaning system
- Worktop with Felt protective covering
- Horizontally mounted filter with maintenance door
- LPES/TF (IFA-Certified) Polyester cartridge, D325 L660mm
- Automatic Reverse Pulsejet filter cleaning system
- PLC-controlled cleaning with pre/post cleaning
- TURBO air receiver tank, fully immerse solenoid valve
- AFON Silencer with diffuser for air recycling
- Lower dust collection drawer

Optional

- Side covering wall
- Work area with lamp
- Auto Fire Extinguisher

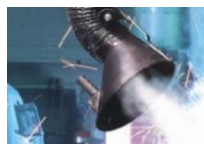


MODEL	Table Size	Airflow	Cartridges	Surface	Noise
POLIWOOD-DF1500 / 2.2kW	1500x900mm	4,300m ³ /hr	3pc L-PES	28m ²	76dB(A)
POLIWOOD-DF2000 / 3.0kW	2000x900mm	5,300m ³ /hr	5pc L-PES	46m ²	78dB(A)
POLIWOOD-DF2500 / 4.0kW	2500x900mm	6,300m ³ /hr	6pc L-PES	56m ²	79dB(A)





Mobile Welding Fume Extractor



CLEANGO

(+)

MCEL

- Basic mobile fume extractor in positive pressure
- Integrated electro-fan with thermal overload switch
- M-CEL (IFA Certified) Cellulose Cartridge D325 L400mm
- DYNAFLEX-160 suction arm with WINGHOOD

Optional

- Wall mounted version
- Activated carbon cart

MODEL	Suction Airflow	Filter	Surface	Noise	Weight
CLEANGO / 1.1kW	1 arm x 1,400m ³ /hr	1pc MCEL	12sqm	72 dB(A)	100 kg



CLEANING-DF EVO

(-)

MCEL

- Mobile downflow fume extractor in negative pressure
- Integrated centrifugal fan with thermal overload switch
- Inlet pre-chamber with Dual dust drawer
- M-CEL (IFA Certified) Cellulose cartridge D325 L400mm
- Horizontal mounted filter with front maintenance door
- Differential manometer for filter clogging status
- Sound damping plenum for air exhaust
- EVOLUTION-150 suction arm with WINGHOOD

Optional

- Activated carbon insert
- Activated carbon cart
- HEPA H13 post filter
- Spark trap inlet
- D180 arm for DF2

MODEL	Suction Airflow	Cartridges	Surface	Renewal	Noise
CLEANING-DF1 / 0.75kW	1arm x 1,100m ³ /hr	1pc M-CEL	12sqm	Replace	71dB(A)
CLEANING-DF2 / 1.1kW	1arm x 1,550m ³ /hr	2pc M-CEL	24sqm	Replace	69dB(A)
CLEANING-DF2 / 2.2kW	2arm x 1,100m ³ /hr	2pc M-CEL	24sqm	Replace	70dB(A)



JETCLEAN-DF EVO (W3)

(-)

MPES

- Mobile downflow fume extractor in negative pressure
- Integrated centrifugal fan with thermal overload switch
- Inlet pre-chamber with Dual dust drawer
- M-PES (IFA Certified) Polyester cartridge D325 L400mm
- Reverse Pulsejet filter cleaning system, timer controlled
- TURBO air receiver tank, fully immerse solenoid valve
- Horizontal mounted filter with front maintenance door
- Sound damping plenum for air exhaust
- EVOLUTION-150 suction arm with WINGHOOD

Optional

- Activated carbon insert
- HEPA H13 post filter
- Spark trap inlet
- D180 arm for DF2

MODEL	Suction Airflow	Cartridges	Surface	Renewal	Noise
JETCLEAN-DF1 / 0.75kW	1arm x 1,100m ³ /hr	1pc M-PES	8sqm	Pulsejet	71dB(A)
JETCLEAN-DF2 / 1.1kW	1arm x 1,550m ³ /hr	2pc M-PES	16sqm	Pulsejet	69dB(A)
JETCLEAN-DF2 / 2.2KW	2arm x 1,100m ³ /hr	2pc M-PES	16sqm	Pulsejet	70dB(A)
JETCLEAN-DF2 W3 1.1kW	2arm x 1,200m ³ /hr	2pc M-PES	12sqm	Pulsejet	70dB(A)



T-WELD

(-)

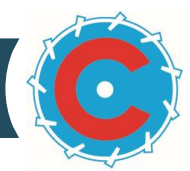
MCEL

- Mobile welding fumes vacuum for direct torch suction
- M-CEL (IFA Certified) Cellulose Cartridge D218mm
- Electro-fan operating with on/off switch
- Includes 3mtr D38mm flex hose

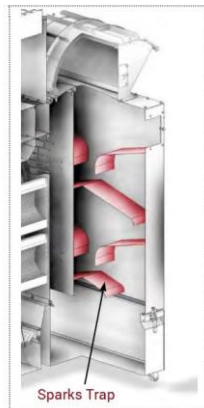
Optional

- HEPA H13 Post Filter

MODEL	Airflow	Head	Filter	Intake Port	Noise	Weight
T-WELD / 1kW	180m ³ /hr	250mbar	1pc MCEL	D38 mm	72 dB(A)	23 kg



Thermal cutting fumes & dust collector



IPERJET-DF / TC

(-)

Spark Trap + MNANO

Pulsejet

Bin

- Downflow filter for thermal cutting application
- Spark arresting inlet pre-chamber for sparks cooldown
- Single dust hopper with TRU quick release bin
- Integrated high pressure extraction impeller fan
- Thermal DOL on/off switch (DF)
- CEI compliant Star-Delta Control Board (DF MAX)
- Horizontally mounted filter with maintenance door
- M-NANO (IFA-Certified) Nanotech cellulose fibre cartridge
- Filter dimension for Iperjet DF - D325 L660mm
- Filter dimension for Iperjet DFMax - D325 L1000mm
- Automatic Reverse Pulsejet filter cleaning system
- PLC-controlled cleaning with pre/post cleaning
- TURBO air receiver tank, fully immerse solenoid valve
- Sound damping exhaust plenum for air recycling

Optional

- Activate Carbon Filter
- HEPA H13 Post Filter

MODEL	Airflow	Static	Cartridges	Surface	Noise
IPERJET-DF4 TC / PRA250 2.2kW	2,000m ³ /hr	1000Pa	4pc M-NANO	56sqm	70dB(A)
IPERJET-DF6 TC / PRA250 3.0kW	2,500m ³ /hr	1000Pa	4pc M-NANO	84sqm	70dB(A)
IPERJET-DF9 TC / PRA280 4.0kW	3,500m ³ /hr	1300Pa	6pc M-NANO	126sqm	73dB(A)
IPERJET-DF MAX9 TC / PRA280 5.5kW	5,000m ³ /hr	1050Pa	9pc M-NANO	198sqm	71dB(A)
IPERJET-DF MAX9 TC / PRA320 7.5kW	6,000m ³ /hr	1470Pa	9pc M-NANO	240sqm	74dB(A)
IPERJET-DF MAX12 TC / PRA360 15kW	9,000m ³ /hr	2430Pa	12pc M-NANO	360sqm	80dB(A)

IPERJET-DF /TOWER

(-)

MPES

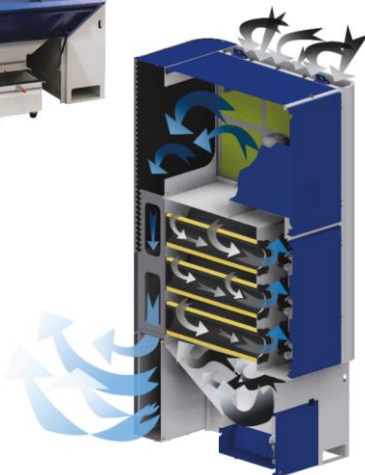
Pulsejet

Bin

- Industrial air cleaning filter for treating indoor air quality
- Excellent when direct fume/dust extraction are not possible
- Standalone operation using push-pull method
- Integrated high pressure extraction impeller fan
- Sound damping fan housing plenum
- CEI compliant Star-Delta Control Board
- Single dust hopper with TRU quick release bin 60L
- Horizontally mounted filter with maintenance door
- MPES (IFA-Certified) Polyester cartridge, D325 L1200mm
- Automatic Reverse Pulsejet filter cleaning system
- PLC-controlled cleaning with pre/post cleaning
- TURBO air receiver tank, fully immerse solenoid valve

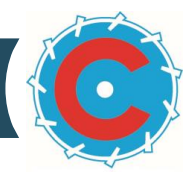
Optional

- HEPA H13 Post Filter
- Sniffer probe
- Automatic Inverter



MODEL	Air Capacity	Room Size	Cartridges	Surface	Noise
IPERJET-DF TOWER 10 / 2x3kW	10,000m ³ /hr	3,300 m ³	6pc M-PES	121sqm	72dB(A)
IPERJET-DF TOWER 15 / 2x4kW	15,000m ³ /hr	4,950 m ³	9pc M-PES	181sqm	72dB(A)
IPERJET-DF TOWER 20 / 2x5.5kW	20,000m ³ /hr	6,600 m ³	9pc M-PES	181sqm	72dB(A)





Filters for Grinding Dusts



GRINDEX DF-JET

(-)

Spark Trap + MPES

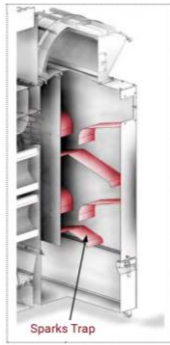
Pulsejet

Bin

- Mobile downflow fume for grinding dust / slags
- Integrated centrifugal fan with thermal overload switch
- Inlet pre-chamber with spark arresting labyrinth
- Dual dust drawer, with SS304 primary bin water trap
- M-PES (IFA Certified) Polyester cartridge D325 L400mm
- Reverse Pulsejet filter cleaning system, timer controlled
- TURBO air receiver tank, fully immerse solenoid valve
- Horizontal mounted filter with front maintenance door
- Sound damping plenum for air exhaust

Optional

- Activated carbon insert
- HEPA H13 post filter
- D150 arm for DF2



MODEL	Airflow	Cartridges	Surface	Renewal	Noise
GRINDEX DF1-Jet / 0.75kW	1,450m ³ /hr	1pc M-PES	8sqm	Pulsejet	65dB(A)
GRINDEX DF2-Jet / 1.1kW	1,880m ³ /hr	2pc M-PES	16sqm	Pulsejet	70dB(A)
GRINDEX DF2-Jet / 2.2kW	2,280m ³ /hr	2pc M-PES	16sqm	Pulsejet	70dB(A)

VENTURI

(-)

Venturi + Scrubber

Belt filter

- Heavy duty scrubbing tower with 2 stage washing
- Ideal for in-dissolvable & hot dust with fire risks
- First stage tangential inlet to cyclonic separator
- Second stage washing into scrubber column
- EVOTECH Automatic unloading of waste sludge
- Tissue filter for sludge drying and automatic rewinding
- Float with inductive switch
- Controlled air quality of exhausted clean air

Optional

- INOX Construction
- ATEX Certification



MODEL	Airflow	Static	Scrubber Dia.	Inlet
VENTURI 1000 / 4kW	1,000m ³ /hr	1500Pa	D600mm	D150mm
VENTURI 2000 / 4kW	2,000m ³ /hr	1500Pa	D600mm	D200mm
VENTURI 4000 / 11kW	4,000m ³ /hr	1500Pa	D850mm	D280mm
VENTURI 6000 / 15kW	6,000m ³ /hr	1500Pa	D1000mm	D350mm
VENTURI 8000 / 18.5kW	8,000m ³ /hr	1500Pa	D1250mm	D400mm
VENTURI 10000 / 30kW	10,000m ³ /hr	1500Pa	D1350mm	D450mm

PULSOTRONIC

Vacuum

MPES

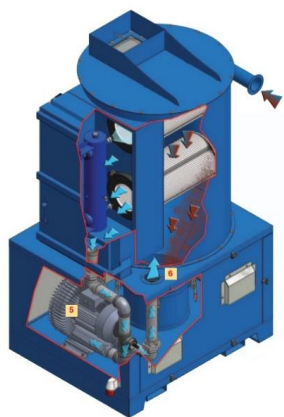
Pulsejet

Bin

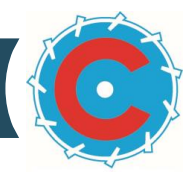
- High vacuum stationary dust extractor for tool
- Constructed in mild steel panel, enamel painted
- Highly reliable side channel blower, in soundproof plenum
- Horizontally mounted filter with maintenance door
- MPES (IFA-Certified) Polyester cartridge, D325 L750mm
- Automatic Reverse Pulsejet filter cleaning system
- PLC-controlled cleaning with pre/post cleaning
- TURBO air receiver tank, fully immerse solenoid valve

Optional

- ATEX Certification



MODEL	Airflow	Vacuum	Cartridges	Surface	Noise
PULSOTRONIC 200 / 3kW	260m ³ /hr	250mbar	1pc M-PES	11sqm	71dB(A)
PULSOTRONIC 300 / 4kW	350m ³ /hr	250mbar	1pc M-PES	11sqm	69dB(A)
PULSOTRONIC 400 / 5.5kW	420m ³ /hr	300mbar	2pc M-PES	22sqm	70dB(A)
PULSOTRONIC 600 / 7.5kW	620m ³ /hr	300mbar	2pc M-PES	22sqm	70dB(A)



Cartridge Filter Units



JETCLEAN-DF (-) MPES Pulsejet Bin

- Mobile downflow fume extractor in negative pressure
- Integrated centrifugal fan with thermal overload switch
- Inlet pre-chamber with Dual dust drawer
- M-PES (IFA Certified) Polyester cartridge D325 L400mm
- Reverse Pulsejet filter cleaning system, timer controlled
- TURBO air receiver tank, fully immerse solenoid valve
- Horizontal mounted filter with front maintenance door
- Sound damping plenum for air exhaust

Optional

- Activated carbon insert
- HEPA H13 post filter
- Spark trap inlet

MODEL	Airflow	Head	Cartridges	Surface	Noise
JETCLEAN-DF1 / PRM220 0.75kW	1,450m ³ /hr	750Pa	1pc M-PES	8sqm	71dB(A)
JETCLEAN-DF2 / PRM250 1.1kW	1,880m ³ /hr	900Pa	2pc M-PES	16sqm	69dB(A)
JETCLEAN-DF2 / PRM250 2.2kW	2,280m ³ /hr	1100Pa	2pc M-PES	16sqm	70dB(A)

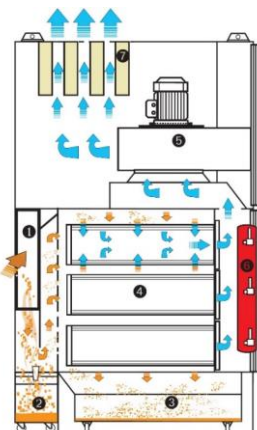
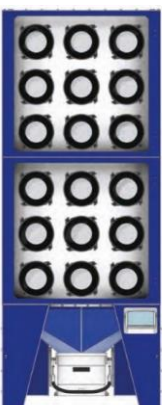


IPERJET-DF / DF-MAX (-) MPES Pulsejet Bin

- Downflow filter operating in negative pressure
- Integrated high pressure extraction impeller fan
- Thermal DOL on/off switch (DF)
- CEI compliant Star-Delta Control Board (DF MAX)
- Pre-Chamber inlet with 1 bin
- Main filter chamber with 1 bin
- Horizontally mounted filter with maintenance door
- MPES (IFA-Certified) Polyester cartridge,
- Filter Dimension Iperjet DF - D325 L1200mm
- Filter Dimension Iperjet DF Max - D325 L1200mm
- Automatic Reverse Pulsejet filter cleaning system
- PLC-controlled cleaning with pre/post cleaning
- TURBO air receiver tank, fully immerse solenoid valve
- Sound damping exhaust plenum for air recycling

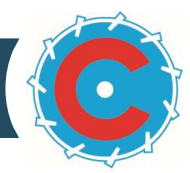
Optional

- Teflon Coated Filters
- Anti-Static Filters
- Teflon Membrane Filter
- Activate Carbon Filter
- HEPA H13 Post Filter
- TRU Quick Bin
- Spark Arrestor Kit
- Inverter motor control
- ATEX Certification

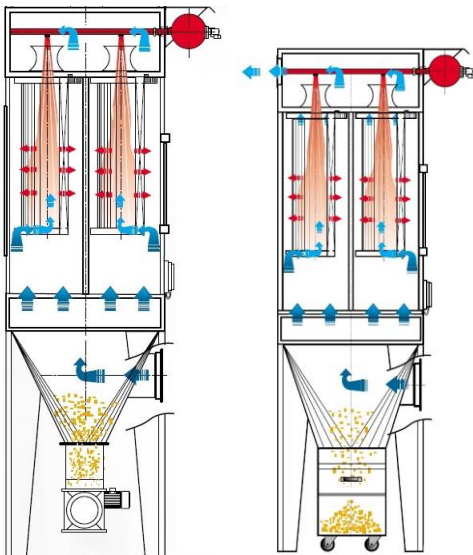


MODEL	Airflow	Static	Cartridges	Surface	Noise
IPERJET-DF4 / PRA250 2.2kW	2,200m ³ /hr	1500Pa	4pc M-PES	37sqm	71dB(A)
IPERJET-DF4 / PRA250 3.0kW	3,000m ³ /hr	1300Pa	4pc M-PES	48sqm	73dB(A)
IPERJET-DF6 / PRA280 4.0kW	4,000m ³ /hr	1000Pa	6pc M-PES	72sqm	75dB(A)
IPERJET-DF9 / PRA320 7.5kW	6,500m ³ /hr	1300Pa	9pc M-PES	108sqm	79dB(A)
IPERJET-DF MAX 9 / PRH450R 7.7kW	7,000m ³ /hr 8,000m ³ /hr	1610Pa 1310Pa	9pc M-PES	189sqm	80dB(A)
IPERJET-DF MAX 9 / PRA450 11kW	8,500m ³ /hr 9,500m ³ /hr	1600Pa 1290Pa	9pc M-PES	189sqm	82dB(A)
IPERJET-DF MAX 9 / PR500R 15kW	10,000m ³ /hr 11,000m ³ /hr	1900Pa 1650Pa	9pc M-PES	189sqm	83dB(A)
IPERJET-DF MAX 12 / PRH450R 11kW	8,000m ³ /hr 9,000m ³ /hr	1880Pa 1600Pa	12pc M-PES	252sqm	80dB(A)
IPERJET-DF MAX 12 / PRH450 15kW	11,000m ³ /hr 12,500m ³ /hr	1860Pa 1480Pa	12pc M-PES	252sqm	82dB(A)
IPERJET-DF MAX 12 / PR500R 18.5kW	12,500m ³ /hr 14,000m ³ /hr	1980Pa 1520Pa	12pc M-PES	252sqm	83dB(A)
IPERJET-DF MAX 18 / External Fan	20,000m ³ /hr	-	18pc M-PES	378sqm	-
IPERJET-DF MAX 24 / External Fan	30,000m ³ /hr	-	24pc M-PES	504sqm	-





Cartridge Filter Units



AIRCOMPACT

(-) MPES Pulsejet Bin

- Cartridge filter unit operating in negative pressure
- Maintenance door on hermetically sealed chamber
- Dust entry into hopper with non-return valve
- MPES (IFA-Certified) Polyester cartridge, D325mm
- Vertically mounted cartridge with individual venturi cone
- Automatic Reverse Pulsejet filter cleaning system
- PLC-controlled cleaning with pre/post cleaning
- TURBO air receiver tank, fully immerse solenoid valve
- Wheeled dust collection bin
- See "Centrifugal Blowers" for selection of fans

Optional

- Teflon Coated Filters
- Anti-Static Filters
- Teflon Membrane Filter
- Fire fighting water pipe
- Chemical barrier
- ATEX 3D-St1 compliant



MODEL	Airflow	No. of Cartridges	Surface	Hopper Inlet
AIRCOMPACT 6C/1000	5,200 m ³ /hr	6pcs L1000mm	96sqm	1 x Ø400mm
AIRCOMPACT 6C/1200	6,200 m ³ /hr	6pcs L1200mm	120sqm	1 x Ø400mm
AIRCOMPACT 8C/1000	6,900 m ³ /hr	8pcs L1000mm	128sqm	1 x Ø400mm
AIRCOMPACT 8C/1200	8,200 m ³ /hr	8pcs L1200mm	160sqm	1 x Ø400mm
AIRCOMPACT 12C/1000	10,300 m ³ /hr	12pcs L1000mm	192sqm	1 x Ø400mm
AIRCOMPACT 12C/1200	12,400 m ³ /hr	12pcs L1200mm	240sqm	1 x Ø400mm
AIRCOMPACT 16C/1000	13,500 m ³ /hr	16pcs L1000mm	256sqm	2 x Ø400mm
AIRCOMPACT 16C/1200	16,500 m ³ /hr	16pcs L1200mm	320sqm	2 x Ø400mm
AIRCOMPACT 18C/1000	15,500 m ³ /hr	18pcs L1000mm	288sqm	2 x Ø400mm
AIRCOMPACT 18C/1200	18,600 m ³ /hr	18pcs L1200mm	360sqm	3 x Ø400mm
AIRCOMPACT 24C/1000	20,700 m ³ /hr	24pcs L1000mm	384sqm	3 x Ø400mm
AIRCOMPACT 24C/1200	24,700 m ³ /hr	24pcs L1200mm	480sqm	2 x Ø400mm
AIRCOMPACT 36C/1000	31,000 m ³ /hr	36pcs L1000mm	576sqm	3 x Ø400mm
AIRCOMPACT 36C/1200	37,000 m ³ /hr	36pcs L1200mm	720sqm	3 x Ø400mm
AIRCOMPACT 48C/1000	41,000 m ³ /hr	48pcs L1000mm	768sqm	4 x Ø400mm
AIRCOMPACT 48C/1200	50,000 m ³ /hr	48pcs L1200mm	960sqm	4 x Ø400mm

AIRCOMPACT-CVS

(-) MPES Pulsejet Rotary

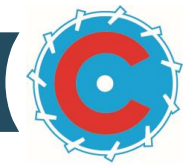
- See "Aircompact" for general technical configuration
- With Rotary valve unloading for continuous operation
- Dust enter into V-shaped hopper with maintenance door
- 1.5kW worm-screw conveyor for dust transport
- 1.1kW gearbox driven rotary valve with Vulkolan lips

Optional

- ATEX 3D-St1 compliant



MODEL	Airflow	No. of Cartridges	Surface	Hopper Inlet
AIRCOMPACT 24C/1000-CVS	20,700 m ³ /hr	24pcs L1000mm	384sqm	1000x600mm
AIRCOMPACT 24C/1200-CVS	24,700 m ³ /hr	24pcs L1200mm	480sqm	1000x600mm
AIRCOMPACT 36C/1000-CVS	31,000 m ³ /hr	36pcs L1000mm	576sqm	1000x600mm
AIRCOMPACT 36C/1200-CVS	37,000 m ³ /hr	36pcs L1200mm	720sqm	1000x600mm
AIRCOMPACT 48C/1000-CVS	41,000 m ³ /hr	48pcs L1000mm	768sqm	1000x600mm
AIRCOMPACT 48C/1200-CVS	50,000 m ³ /hr	48pcs L1200mm	960sqm	1000x600mm
AIRCOMPACT 60C/1200-CVS	62,000 m ³ /hr	60pcs L1200mm	1200sqm	1000x800mm
AIRCOMPACT 72C/1200-CVS	74,400 m ³ /hr	72pcs L1200mm	1440sqm	1000x800mm

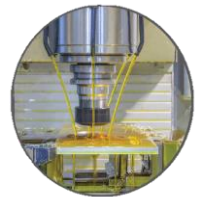


Electrostatic Precipitators



EF OIL

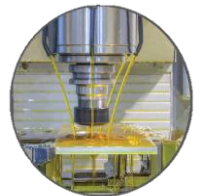
- Electrostatic precipitator filtering unit
- Ideal for oil fogs, welding fumes and pollutant granulometry from 0.01 to 10 microns
- Capable of handling dusty air concentration 50mg/m³
- Stage 1 - Metallic pre-filter
- Stage 2 - Acrylic Pre-filters
- Stage 3 - Ionising plates, unipolar charged 10kV DC
- Stage 4 - Collecting plated are fed with 5kV current
- Ionised dust are repelled & collected on grounded plates
- A.M.S control panel checks collecting cell efficiency
- Check functions with alarm and incident recording.



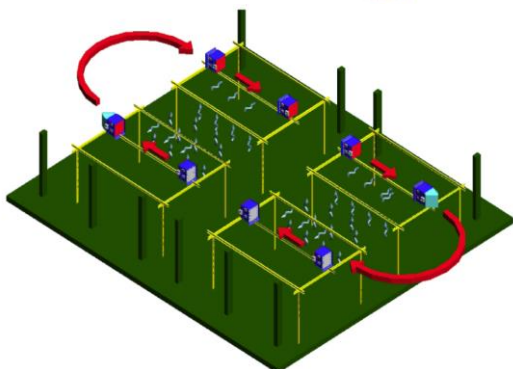
MODEL	Delivery	Head	Carbon	Noise	Weight
EF-10 CV / 1.1kW	2,000 m ³ /hr	780 Pa	27 kg	71 dB(A)	200 kg
EF-20 CV / 2.2kW	4,000 m ³ /hr	630 Pa	54 kg	70 dB(A)	370 kg
EF-30 CV / 4.0kW	6,000 m ³ /hr	940 Pa	81 kg	71 dB(A)	545 kg
EF-40 CV / 5.5kW	8,000 m ³ /hr	930 Pa	108 kg	72 dB(A)	720 kg
EF-60 CV / 7.5kW	12,000 m ³ /hr	1180 Pa	162 kg	73 dB(A)	1065 kg
EF-80 CV / 9.0kW	16,000 m ³ /hr	1170 Pa	216 kg	75 dB(A)	1410 kg
EF-90 CV / 11kW	18,000 m ³ /hr	1170 Pa	243 kg	76 dB(A)	1585 kg
EF-100 CV / 15kW	20,000 m ³ /hr	1130 Pa	270 kg	76 dB(A)	1755 kg

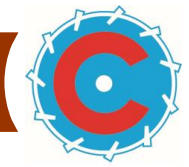
EF VOLUMETRICO

- Ideal for cleaning of polluted air in the factory
- Electrostatic precipitator filtering unit
- Ideal for oil fogs, welding fumes and pollutant granulometry
- Capable of handling dusty air concentration 50mg/m³
- Stage 1 - Metallic pre-filter
- Stage 2 - Acrylic Pre-filters
- Stage 3 - Ionising plates, unipolar charged 10kV DC
- Stage 4 - Collecting plated are fed with 5kV current
- Ionised dust are repelled & collected on grounded plates
- A.M.S control panel checks collecting cell efficiency
- Check functions with alarm and incident recording.



MODEL	Width	Power	Static Loss	ESP	Noise	Weight
EF VOLUMETRICO 10	2,500 m ³ /hr	0.25kW	200 Pa	1 x	70 dB(A)	105 kg
EF VOLUMETRICO 20	5,000 m ³ /hr	0.5kW	200 Pa	2 x	72 dB(A)	210 kg
EF VOLUMETRICO 40	10,000 m ³ /hr	0.55kW	200 Pa	4 x	73 dB(A)	400 kg





ATEX Principle & Certifications



WHAT IS ATEX ?

Acronym from **AT**mosphere **Exp**losive, it is a set of internationally accepted guidelines that have consequential impact on filtering unit design. This governs as well the usage of corresponding accessories like filter elements, blowers, solenoid valves, explosion relief panel, venting valves, control panels, PLC controllers etc.

Contrary to common believe, ATEX filters does not fully eliminate explosive risk. However ATEX-rules are designed to significantly reduce explosion contributing factors, and also enable safe explosion venting to protect occupants in a factory

SAVE LIVES , SAVE INVESTMENT

Dust filters in nature collect dust in large quantities, hence increasing the risk of explosion that can disintegrate a filter unit and causing collateral damage. The tragic outcome could be a loss of lives resulting in hefty compensation claims. The loss of production facility also create production downtime, resulting in greater financial loss.

A suitably ATEX protected filter unit prevents filter disintegration by safely venting the explosive force build-up. The benefits are numerous:

- No flying shrapnel protects nearby works, saving lives
- Filter unit can be quickly rebuilt by replacing suitable spares
- Prevents extended production stoppages

DETERMINING EXPLOSION RISK

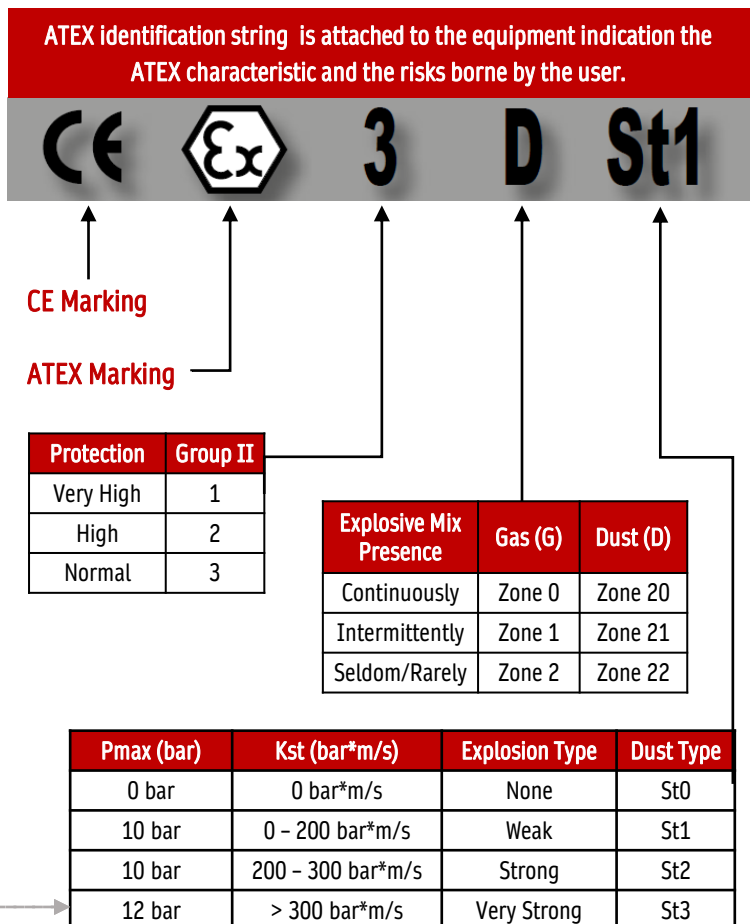
Companies who intend to have these systems installed are required to have an explosion risk assessment carried out by qualified personnel for material to handled by the filter unit. This is to be carried out regardless whether the material contains mist, dust, gas, vapours from the processing line.

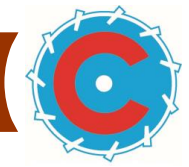
Assessment includes:

- Analysing of risk posed to the industrial activity
- Analysing environment volatility where system is installed
- Analysing the frequency of potential incidents
- Assessing acceptable risk with considered protection
- Verifying risk reduction measures have been adopted.
- Analysing the type of dust / vapours passing the system to determine the Pmax and Kst value

Pmax Max explosion pressure build-up following an explosion. Essential for selecting a suitable filter unit that can withstand the pressure build-up during explosion.

Kst indicates the rate of pressure build-up within the filter chamber, depending as well on the concentration of the explosive dust. This is important to choosing the correct venting device / systems





ATEX Principle & Certifications



ATEX DESIGN BRIEF

Appropriate design of filter require thorough understanding of workplace safety risk to protect occupant as result of explosion. Many factor can help minimise the risk of explosion and control the venting of the explosion including

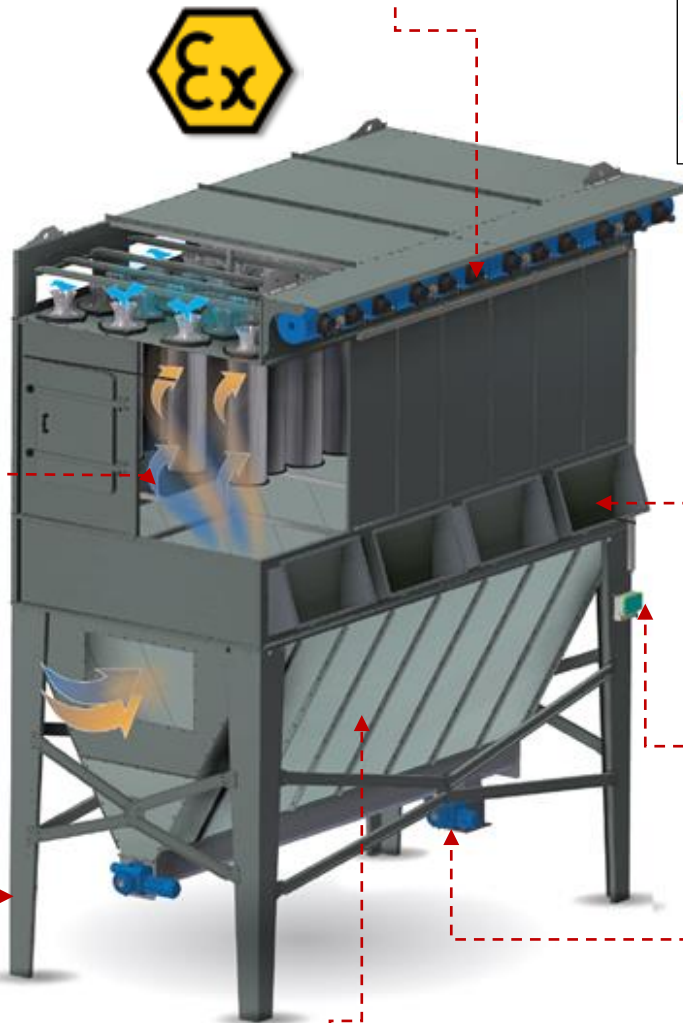
- A. Ground of all filter panel to prevent static charge buildup.
- B. Usage of Anti-Static filtering element
- C. Usage of relevant ATEX parts and components



Cartridge Filter
M-PES/AX
EXAM APPROVED



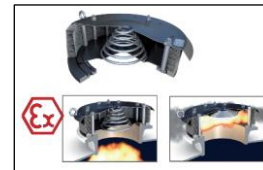
Filter Sleeve
PES550/AX
EXAM APPROVED



Electro-valve
Solenoid membrane valve
ATEX II 2GD Zone 22/21



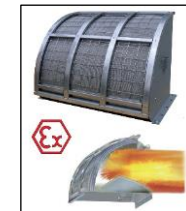
Electronic Panel
Control panel management
ATEX II 2GD Zone 22/21



RELIEF VALVE
Spring load valve
ATEX II 3D Zone 22



Rupture Disc
Explosion Relief Panel
ATEX II 2GD Zone 22/21



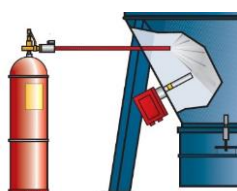
QBOX
Explosion Diffusion
ATEX II 3D Zone 22



ECONOMISER
PLC Pulsejet Controller
ATEX II 3D



Ground Wire
Grounding wire
Between panels



Fire Extinguisher
Powder extinguisher
with Temperature probe

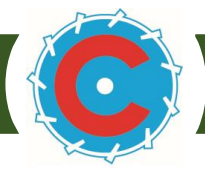


Chemical Barrier
Chemical injection to
dampen explosive force

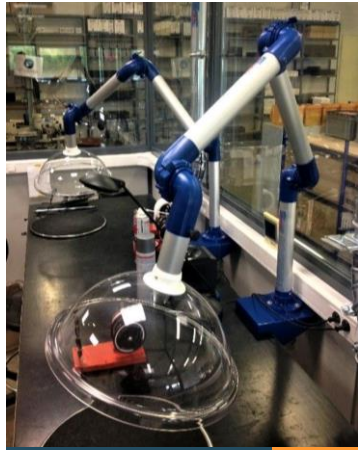


ROTARY STAR VALVE
For continuous unloading
ATEX II 3D Zone 22





Electronics & Labs



PROBIS / A with HOOD 2.2

Fume extraction for electronic process



F100C 2.2

Desktop fume and dust extractor



F200 with PROBIS A 2.2

Hot gas extraction from plastic extruder



PROBIS / C 2.2

Hot gas extraction from plastic extruder



CZ SLIDING RAIL WITH EVOLUTION ARM 2.5

Artwork Restoration Room for Noxious Fumes and Dust



EUROFILTER 200M

Technical lab for woodworking in school



2.5



CLEANING-DF2 (SS304) 2.9

Acidic fumes for pharmaceutical labs.
Special SS304 filter and ATEX arms



EVOLUTION ARMS 2.3

Paint solvent fumes extraction from paint mixing
labs for aerospace industry.



SMOKART DF/G 2.3

Mobile downdraft bench for jewellery
grinding



PROBIS / A 2.3

Ceiling mounted extraction
arms for lab fumes



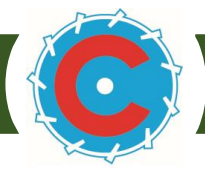
EVOLUTION 100P/2.7 with FM Dust Collector 2.9

Wood and metal dust extraction for machines in a technical training lab



UNIVERSAL EXTRACTION ARM 2.3

Art restoration extraction of noxious fumes and chemical during
restoration process



POLIJET-DF 5000

2.4

Special elongated downdraft bench for welding fumes and grinding dust, For aerospace industries typically dealing with long and narrow parts.



ZINCOCAR DF6

2.5

Dust extraction wall from 4mtr diameter Fibreglass pipe cutting



AIRCOMPACT 6C

2.5

Bag dump for flame retardant powders



POLIJET DF-2500

2.5

Engine nacelle fibreglass covers grinding



VENTURI

2.5

Metal alloy grinding



VENTURI

2.5

Carbon fibre parts grinding and cutting



AIRALT M

2.5

Fibreglass dust from Turbine Manufacturer



PULSOTRONIC

2.5

High vacuum extraction for Prototyping Machine

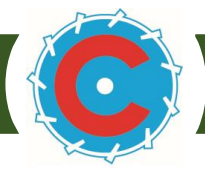


VENTURI with Q-ROHR

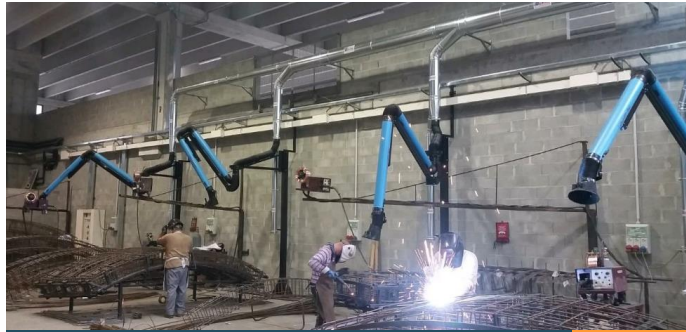
2.5

Fibre glass parts grinding and cutting





Welding & Thermal Cutting Fumes



IPERJET DF4 + EVOLUTION

2.9

MIG-welding fumes extraction from aerospace maintenance workshop. Centralised extraction with for 2 station



IPERJET DF4 + EVOLUTION

2.9

MIG-welding fumes extraction from aerospace maintenance workshop. Centralised extraction with for 2 station



IPERJET DF MAX 24

2.9

Central metal grinding dust filter with fan on sound proof box.



CLEANGO - EVOLUTION

2.7

Mobile fume extraction for single station welding



IPERJET DF MAX 12 with EVOLUTION NO SMOKE D150

2.7

Centralised welding fumes extraction system from individual welding booths



IPERJET DF-MAX 24 with EVOLUTION NO SMOKE 125

2.7

Centralised welding fumes extraction from welding booth



IPERJET DF 9

2.7

Fumes extraction from Booth housing Robotic welder



IPERJET DF4 TC

2.7

Sparks and fumes extraction from laser cutting machine



JETCLEAN DF2 with 2 EVOLUTION

2.7

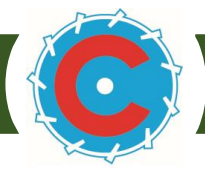
Dual arm welding fumes extractions mobile filter



AIRCOMPACT 18C with TEFLON FILTERS

2.7

Plasma cutting fumes extraction system with heavy smoke load



Metalworking Dust



ATEX Compliant AIRCOMPACT 12C with FLAP-400

2.9

Metal dust extraction and filtering system comes with explosion relief panel. Duct-line protected by Explosion Check Valve Flap400



IPERJET DF9 + M65 Vacuum

2.9

Steel deburring wide belt sanding machine. Treatment capacity 6,500 mc/h. Paired with M65 cleaning vacuum



IPERJET DF4 HEPA

2.9

Dust extraction filter for metal grinding with HEPA Filter. Capacity 3000 mc/h.



POLIJET-DF 2500

2.4

Downdraft bench with spark arrestor for alu frame polishing, grinding, polishing



EUROFILTER M300

2.12

Extraction of metal milling dust from CNC machines. Capacity 6000 mc/h



WALLY-DF/G

2.5

Suction Wall for suction of plasma cutting fumes at recycling laboratory



EUROFILTER H3 M200

2.12

Filtration of dust from de-burring metal parts after milling.



IPERJET DF TOWER

2.7

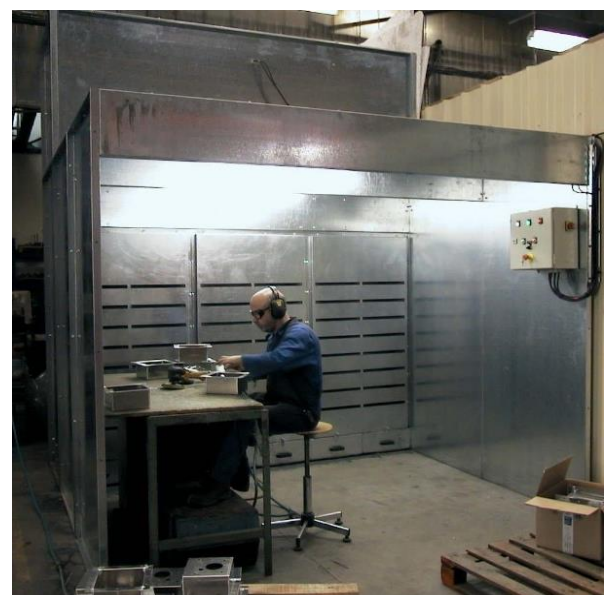
Air-purifier unit for truck manufacturer work shop where source extraction is not possible



AIRCOMPACT 12C

2.9

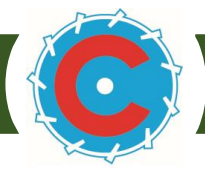
Cartridge filter unit for welding and grinding of metal parts from arm. Capacity 12,000 mc/h



ZINCOCAR 3

2.5

Metal buffing, deburring & polishing dust control booth with extended side wall.



Oil-Mist, Oil-Fog & Electrostatic Precipitator



NOIL-08 with MPES Post Filter 2.16

Extraction of oil-mist mix with small amount of milling dust from CNC Lathe. Treatment capacity - 800cmh



NOIL-12 2.16

Oil-mist extraction to handle mix of oil and coolant mist CNC Milling Centre. Treatment capacity - 1200cmh



KUBE 400 OIL 2.16

Oil-mist filtration for CNC lathes machine centres Treatment capacity - 400 cmh



OILSTOP 4 2.16

Oilmist filtration from large Size CNC machine. Capacity-3,600 cmh



OILSTOP M/5 2.16

Oil-gas industry centralised oil-mist extraction. Capacity - 20,000m3/hr



SNEB 2.16

Centralised oil-mist filtration from machine tool shop with 40 machining centres



NOIL-06 2.16

Extraction of oil-mist mix with small amount of milling dust from CNC Lathe



EF-10 for Oil Fog Filtration 2.16

Electrostatic precipitator for Oil fog produced during metal parts milling



EF-30 2.16

Electrostatic filter for air cleaning of oil-mist suspended in factory housing CNC milling and lathe machines



EF-20 2.16

Oily fog filtrations from machine tools



KUBO 2.16

Activated carbon filter for smells. High efficiency diamond design



CARBO 42 2.16

Basic activated carbon filtrations unit



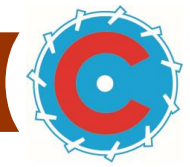
KARB 11 2.15

Activated carbon post filter for treatment of odours from CNC metal milling plant.



EF VOL 2x1 2.16

Electrostatic filter for air cleaning factories with pollutants suspend in ambient air



Application : ATEX Filters



AIRALT 360 ATEX ST1 (INOX)

2.10

Spectacle frame manufacturer handling of explosive titanium dust
Total handling capacity - 24,000 m3/hr



AIRALT M61 ATEX St1

2.10

For handling of packing material
Total handling capacity - 10,000 m3/hr



AIRALT M61 ATEX St2

2.10

For handling of food manufacturing dust
Total handling capacity - 6,000 m3/hr



PULSOTRONIC 1000 (ATEX 3D)

2.8

Aviation industry vacuum filtration unit for handling of composites for CNC machining
Total handling capacity - 1,000 m3/hr



MINIDRY ATEX

2.13

Spray painting booth for use in volatile environment Zone 2G. Carbon post filter with ATEX control panel, ATEX lamps, Fire resistant filters



AIRALT 248 (ATEX-3D)

2.10

Automotive industry for handling of powders from productions of brake pads
Handling capacity 12,000 m3/hr



AIRALT 51 + QBOX

2.10

Aircraft engine manufacturer composites dust with Handling capacity - 650 m3/hr



AIRCOMPACT 12C 3DSt1 Compliant

2.9

Metalworking industry for handling of steel-alu dust mix from Wide Belt Sanding machines
Handling capacity - 12,700 m3/hr



AIRALT 360 (EX-3D) FLAP600

2.10

Aerospace industry processing powder containing Methyl methacrylate organic compound. Total capacity - 24,000 m3/hr



AIRCOMPACT 16C 3DSt1

2.9

Metal sanding dust filtering from downflow bench, with Q-BOX.
Handling capacity - 16,200 m3/hr



AIRCOM LS2300 3DSt1

2.12

Feed-mill processing plant.
Handling capacity - 22,000 m3/hr



All CORAL production sites implement the ISO 9001/2015 quality management system

ISO Stars EU
ISO 9001



Respect of European Market Standards



Meeting standards UK

RoHS II Declaration of Conformity Directive 2011/65/EU- Directive 2015/863/EU



Meeting standards Russia

R.E.A.C.H. Compliance Declaration



Companies for the protection of forests

For systems that need to be designed for use in explosive atmospheres, Coral offers filters, in compliance with the ATEX Directive.



Industrial fans

AIRALT Filter-ATEX EVOLUTION Extraction Arms



IFA DGUV Test

Compliant Flap Valve - AIRCOM AIRCOM/L - AIRCOM C/C AIRCOMPACT - MEC Filter



Public works registry

Diverter Valves



Acoustic panel

Acoustic panel



CERTIFICATIONS



Global Headquarters

CORAL s.p.a.

Corso Europa, 597
10088 Volpiano (To) ITALY

T. +39 011 98.22.000
F. +39 011 98.22.033-044
E. coral@coral.eu



Asia Pacific Branch Office

CORAL Asia Pacific Pte Ltd

47 Kallang Pudding Road
#09-11, Crescent @ Kallang
Singapore 349318

T. +65 6591 8600
E. office@coral-asia.com

Coral's goal is to make sure that the people of today-and tomorrow-live in a healthier, more balanced and sustainable world, starting within the workplace. On the preservation of the air we breathe every day depends both our health and the future of our planet, and it is important that this awareness is also being raised in industry.

Realizzazione grafica: - Coral s.p.a. - Volpiano (TO) - Italy 20230103/rev. 0



For a cleaner future.