GENERAL CATALOGUE

CORAL®
Innovative Air Solutions

Innovative Air Solutions

CORAL USA CORP.
19121 Marketplace Avenue, Bldg. 1 Suite 165 KYLE, TX 78640, United States of America
Cell: +1 480 796 5352 **E:** info@coral.us **www.coralnorthamerica.com**

WELDING | GRINDING | DEBURRING | POLISHING | SANDING | THERMAL CUTTING | DRY DUST | HAZARDOUS DUST | SANDBLASTING | POWDER COATING

EVOLUTION NO-SMOKE

Fume & Dust extraction arm

The Coral EVOLUTION NO-SMOKE self-supporting suction arm represents the best possible solution for the removal of welding smoke, gas, vapors, aerosol, oil fumes, dust, etc.
Coral has specifically designed the EVOLUTION NO-SMOKE to be in full compliance with all standards regarding safety in the work place for the removal of hazardous fumes and polluting substances from the working environment

WORKING PRINCIPLE

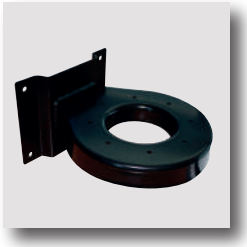
The polluted air is extracted at the source via a fully articulated hood and passes through the sturdy sheet metal piping (available in zinc-plated, scratch-proof enameled and aluminum) to a high efficiency extraction system or the centralized piping in the plant.
The unique design and construction features of the patented Coral EVOLUTION NO-SMOKE are coupled together by special external articulated joints that allow for quick and easy movement not offered by other lower cost brands. The completely balanced and easy to operate design is unique and the durable construction will provide many years of reliable and trouble free operation.

360° ROTATION

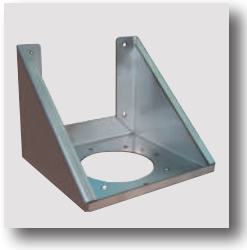
The Coral EVOLUTION NO-SMOKE arm is equipped with a metallic rotary bearing which enables rotation through a full 360° if installed on its special stand. The flow of polluted air flows undisturbed through the suction arm and is not hindered by internal joints found on competitive models. Due to the reduced length of the hose used in the elbows, load losses are far lower than that of other similar systems on the market.
By offering less restriction in the air flow and lower suction load losses, the installation site can install smaller motors on fans which allows for energy savings, lower air flow speed, which equals less noise.

WALL MOUNTED VERSION

OPTIONS



WALL SUPPORT FOR 1 PC EVOLUTION ARM

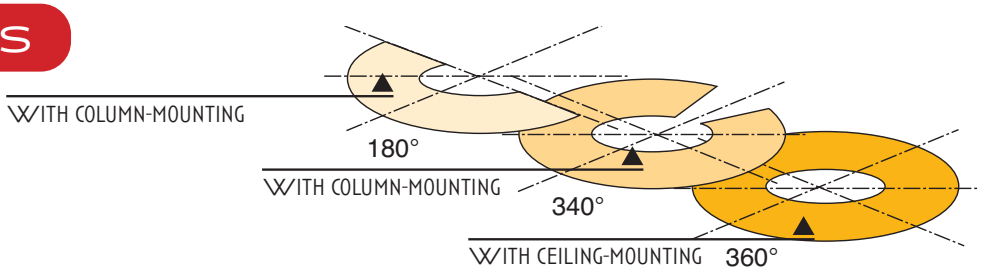


STAINLESS STEEL WALL SUPPORT FOR 1 PC EVOLUTION ARM

LIGHT KIT COMPLETE WITH: LED LAMP 12V. 2W., CURRENT TRANSFORMER, LAMP CARTER, SWITCH

TRAILER MOUNTED VERSION

COVERED AREAS



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DYNAFLEX

Welding arm for cart mounted units & central systems

OVERVIEW

The Coral DYNAFLEX arm is our competitively priced economical option for the extraction of welding fumes from the various production processes.

FLEXIBLE AND LONG-LASTING

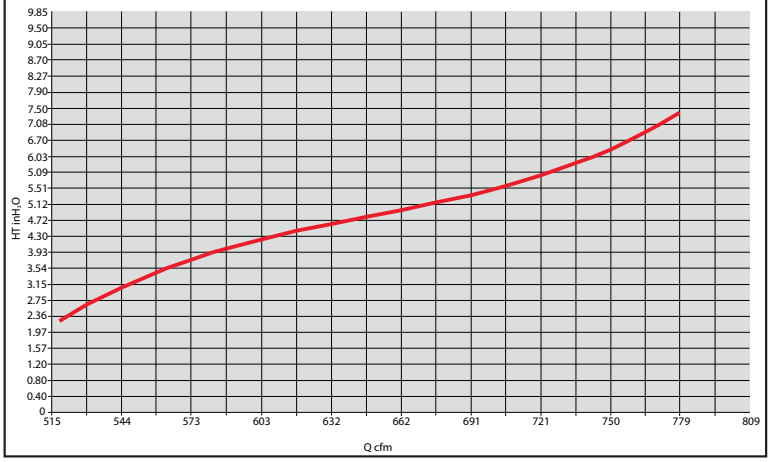
The Coral DYNAFLEX arm consists of a metal frame bolted together that supports the entire weight of the arm and provides unique maneuverability and mobility. The double rotary bearing ensures a 360 ° rotation of the hood and at the base connection with the wall support or portable extraction unit. The PVC coated flexible hose guarantees a long life of the arm.

TECHNICAL DETAILS

- 10 & 13 feet length - Ø6.3" diameter wall mounted units
- 6.5 & 10 feet length - Ø6.3" diameter cart mounted version
- Flexible PVC pipe NO SMOKE FLEX
- Easy assembly and maintenance with simple movements
- Brand new ergonomic polypropylene flanged hood "WINGHOOD" includes an adjustable damper to control air flow

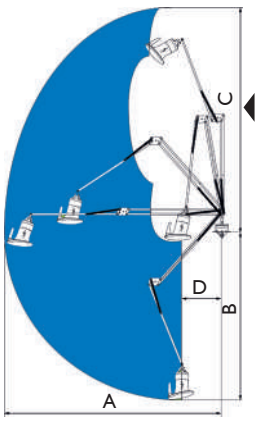
LOAD LOSSES

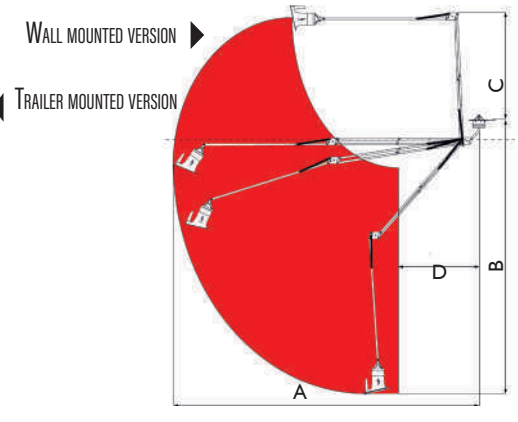
The selection of the suction device depends on the loss performance data (total pressure (HT) inH_2O) in relation to the arm flow rate (Q cfm), as indicated in the diagram.



DYNAFLEX Ø6,3"	A	B	C	D
160/2 C	68.9	45.3	70.8	19.6
160/3 C	108.3	84.6	110.2	19.6
160/3 W	118.1	98.4	35.4	39.3
160/4 W	157.5	137.8	55.1	39.3

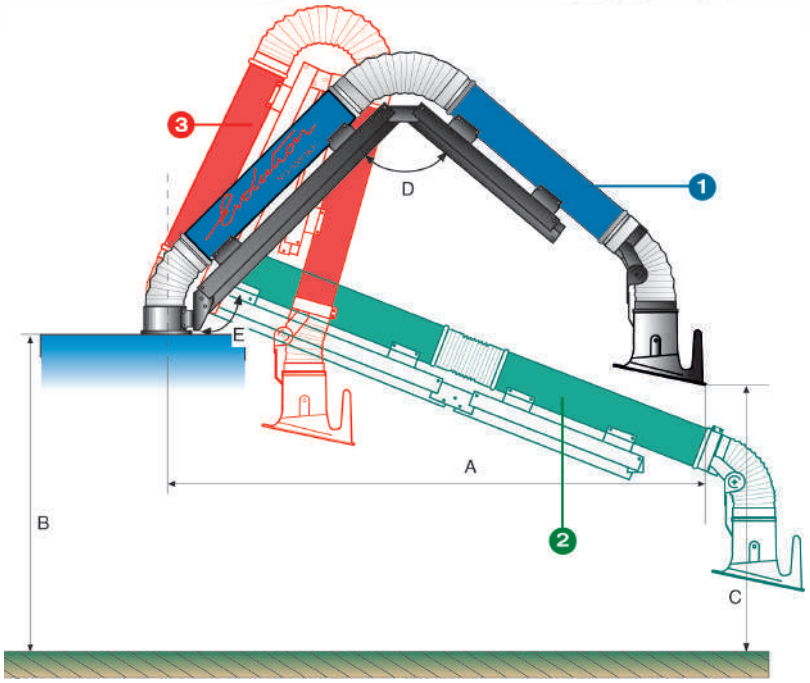
Alla data are indicated in inches. C = trailer mounted version W = wall mounted version





TECHNICAL FEATURES

TRAILER MOUNTED VERSION



1

WORKPOSITION

2

OPEN ARM

3

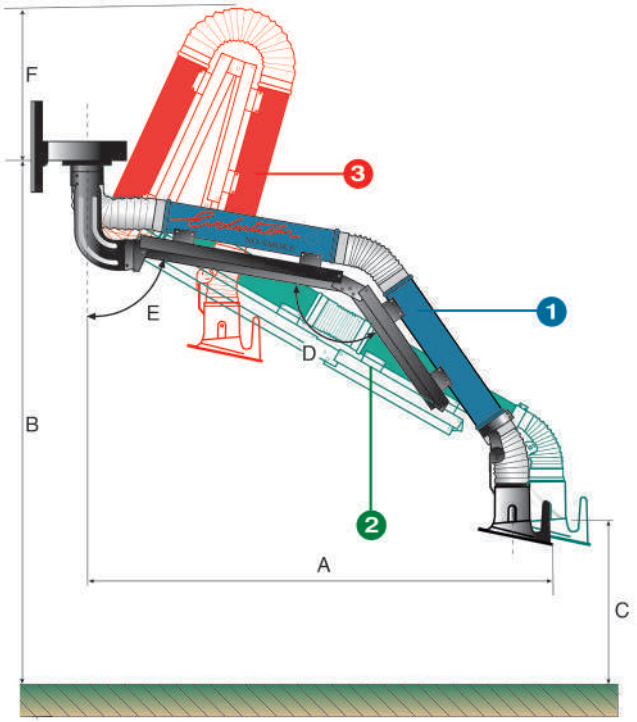
CLOSED ARM

	INCHES / FEET	Ø 4" 9'	Ø 6" 10'	Ø 8" 10'	Ø 10" 10'
WORKPOSITION	A	78.7"	90.5"	66.9"	68.9"
	B	*	*	*	*
	C	*	*	*	*
	D	110°	110°	75°	110°
	E	125°	125°	125°	125°
OPEN ARM	A	90.5"	102.3"	97.2"	98.8"
	B	*	*	*	*
	C	*	*	*	*
	D	180°	180°	180°	180°
	E	90°	90°	90°	90°
CLOSED ARM	A	14.5"	25.2"	27.9"	27.5"
	B	*	*	*	*
	C	*	*	*	*
	D	0°	0°	0°	0°
	E	180°	180°	180°	180°

* According to use Alla data are indicated in inches.

TECHNICAL FEATURES

WALL MOUNTED VERSION



1

WORKPOSITION

2

OPEN ARM

3

CLOSED ARM

	INCHES FEET.	Ø 4" 9'	Ø 6" 10'	Ø 6" 13'	Ø 8" 10'	Ø 8" 13'	Ø 10" 10'	Ø 10" 13'
WORKPOSITION	A	86.6"	96.4"	129.9"	93.1"	125.9"	96.4"	129.1"
	B	118.1"	118.1"	118.1"	118.1"	118.1"	118.1"	118.1"
	C	59"	55.1"	78.7"	47.2"	55.1"	47.2"	55.1"
	D	110°	145°	110°	140°	115°	140°	115°
	E	100°	80°	120°	80°	105°	80°	105°
OPEN ARM	A	86.6"	110.2"	141.7"	102.3"	146.8"	118.1"	157.4"
	B	118.1"	118.1"	118.1"	118.1"	118.1"	118.1"	118.1"
	C	47.2"	90.5"	59"	86.6"	87.8"	86.6"	87.8"
	D	145°	180°	150°	180°	180°	180°	180°
	E	78°	90°	90°	90°	90°	90°	90°
CLOSED ARM	A	23.6"	35.4"	39.3"	31.5"	39.3"	39.3"	47.2"
	B	118.1"	118.1"	118.1"	118.1"	118.1"	118.1"	118.1"
	C	82.7"	82.7"	82.7"	77.5"	78.7"	77.5"	78.7"
	D	10°	10°	10°	10°	10°	10°	10°
	E	155°	150°	150°	150°	155°	150°	150°
	F	15.7"	53.1"	33.4"	56.3"	35.4"	37.4"	59"

Alla data are indicated in inches

* OPTIONAL

▲ Evolution No Smoke ø6" - 13 feet enamelled painted with fan*

▲ Evolution No-Smoke with wall support*

▲ Evolution No Smoke ø6" - 10 feet enamelled painted trailer mounted version

▲ Evolution No-Smoke whit "**BANDIERA**"*: possibility to reach the length of 26.3 feet.

▶ Evolution ø4" - 6.9 feet enamelled painted for bench top mounting

▲ Evolution No Smoke with roof mounting bracket*

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Welding Smoke

CLEANGO

Portable welding fume extractor

Overview

The Coral CLEANGO is the ideal solution for a portable welding fume extractor. The CleanGo is a self-contained, light duty welding fume extractor which also captures other airborne contaminants present in the workplace. This portable, compact fume extractor offers simple 120-volt single phase plug-n-go convenience. The CLEANGO is designed and manufactured on **state-of-the art equipment** which make this source capture extractor a **powerful, low-maintenance solution** for even toughest welding fumes.

Versatility & Convenience

Ideal for a wide variety of intermittent duty applications, the Coral CLEANGO captures hazardous fumes and dust from welding applications at the source. The completely articulated, extendable extraction arm is capable of rotating a full 360° which can be easily positioned to remove hazardous smoke and particulate before it contaminates the operator breathing zone. Desinged to easily pass-through standard doorways, the highly maneuverable CLEANGO is ready to run with the flip of a switch.

Working Principle

Welding fumes and other airborne contaminants are drawn into the unit and captured by the Coral CLEAN GO, which is capable of an air flow rate of 900 CFM.
High efficiency filter cartridges allow the CleanGo to remove airborne contaminants and discharge clean air back into the room. Activated carbon is also available to absorb gases and odors.
A **differential pressure gauge** constantly supplies the operator with the condition of the internal filter cartridges.

Performance

Dynaflex suction arm	Ø 6.3“ - 6.5’/10’
Motor power	1,5 HP
Power supply	120V 1PH 60Hz
Rated current	2,52 A
Noise level	72 dB(A)
Extraction capacity at hood	max 900 cfm
Maximum pressure clogged filter	3.2 in H_2O
Dimensions	30”x28”x36”
Weight w/o arm	176 lbs

OPTIONS

- Charcoal cartridge 2.2 lbs

- Coral Evolution No-Smoke Ø6” 10’
- Charcoal cartridge 22 lbs

General Information

Type of filter	Cartridge
Filter surface	129 sqft
Filter efficiency	>99,9%
Filter material	Cellulose

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WELDING | SMALL GRINDING | SMALL DEBURRING | SMALL DRY DUST

JETCLEAN DF

High efficiency extraction and filtration of welding fumes, gases, vapors and aerosols

OVERVIEW

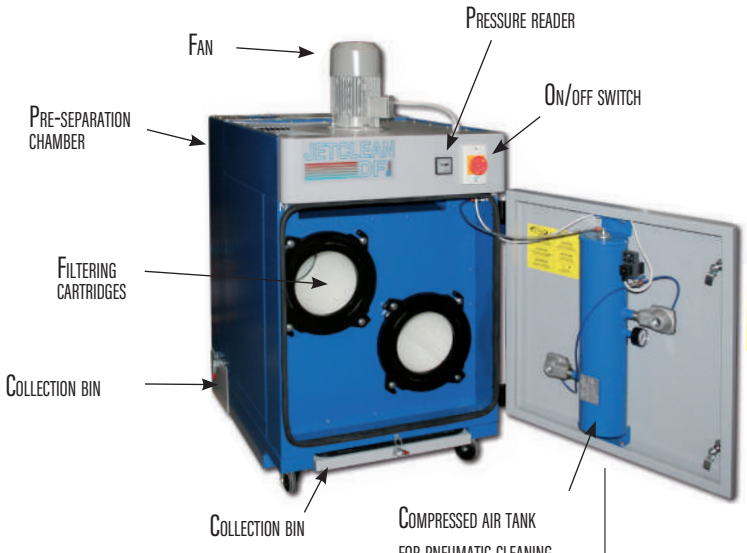
The Coral JETCLEAN DF extractor/collector is a **state-of-the-art system** that is **portable** and includes a compressed air cleaning system. The compressed air back pulse cleaning system extends the life of our special large surface area filter cartridges. Maintaining filters at optimum efficiency has always been a problem for traditional collectors, especially in welding fume extraction and dust applications. The JETCLEAN DF has solved this problem and provides the operator with a quality system that can handle the most challenging applications.

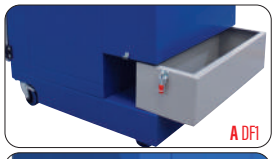
POWERFUL & QUIET

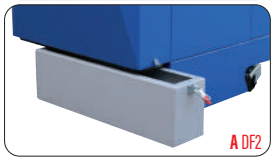
The Coral JETCLEAN DF is extremely quiet and features plug-n-go operation, combined with incredible maneuverability and powerful 1.0, 1.5 or 3.0 horsepower motors which provide up to an amazing 1890 CFM airflow. The Coral JETCLEAN DF is a **highly efficient** and **cost-effective** solution for a wide variety of process applications, including welding, sanding, grinding and deburring.

WORKING PRINCIPLE

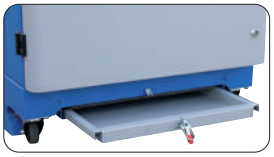
Welding fumes are captured and extracted away from the welder by our patented EVOLUTION NO-SMOKE extraction arm. The fumes continue traveling through a dirty air inlet pre-separation chamber where heavier particulate falls out of suspension from the air stream. The contaminated air then passes through our high efficiency cartridges, which remove 99% of the airborne contaminants. Clean air is returned to the working environment. The Coral JETCLEAN DF also includes a **differential pressure gauge** to continuously monitor the condition of the filter cartridges.



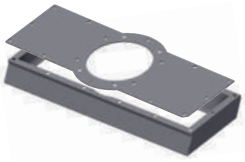




COLLECTION BIN



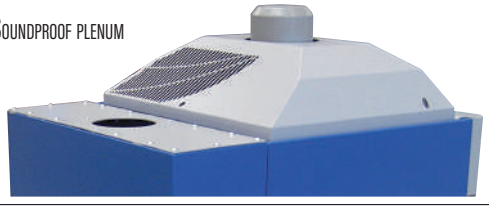
OPTIONS



-INLET CONNECTION FOR ARM Ø8" (FOR **DF2** ONLY)

-PLASTIC HOOD WINGHOOD WITH LIGHT KIT

-SOUNDPROOF PLENUM



-PLENUM WITH ACTIVED CARBON FILTER OR WITH ABSOLUTE FILTER HEPA H13

TECHNICAL FEATURES

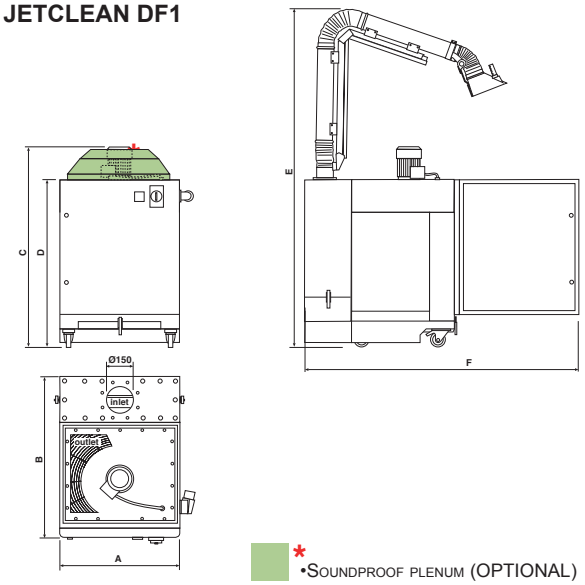
OPERATING PRINCIPLE

PERFORMANCE

	JETCLEAN DF1	JETCLEAN DF2	
	DF1 0,75	DF2 1,1	DF2 2,2
POWER	1 HP	1,5 HP	3 HP
SUPPLY VOLTAGE	110 V	110 V	220/440 V
FREQUENCY	60 Hz	60 Hz	60 Hz
NO. OF REVOLUTIONS	3600	3600	3600
FAN TYPE	PRM220	PRM250	PRM250
FLOW WITH 1 ARM D.150	856 c.f.m	1109 c.f.m	/
FLOW WITH 2 ARMS D.150	/	/	1345 c.f.m
CARTRIDGE FILTER DIMENSIONS	Ø12.8" L=15.7"	Ø12.8" L=15.7"	Ø12.8" L=15.7"
NO. OF FILTERS	1	2	2
FILTER TYPE	CARTRIDGE	CARTRIDGE	CARTRIDGE
FILTER FABRIC TYPE	100% POLYESTER	100% POLYESTER	100% POLYESTER
IFA/BGIA CLASSIFICATION	M-PES	M-PES	M-PES
FILTERING SURFACE	86 Sqft	172 Sqft	172 Sqft
FILTRATION EFFICIENCY	99,9%	99,9%	99,9%
STORAGE CAPACITY FRONT DRUM	2.3 Gal	3.1 Gal	3.1Gal
STORAGE CAPACITY BACK DRUM	3.9 Gal	7.4 Gal	7.4 Gal
WEIGHT	264 Lbs	341 Lbs	374 Lbs

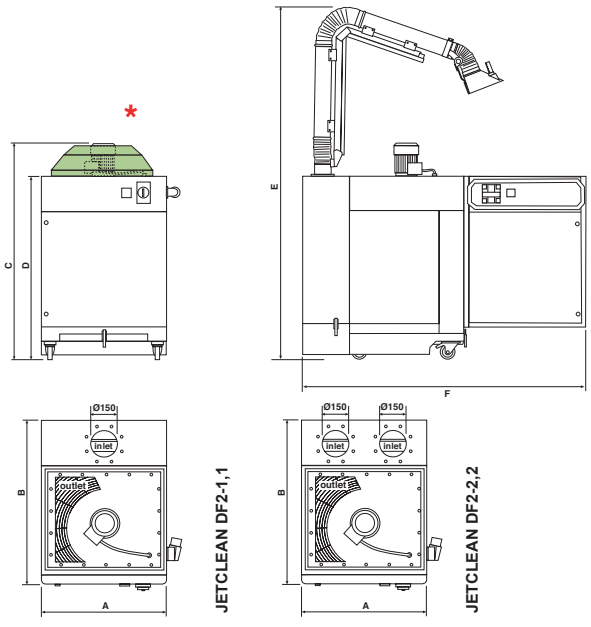
Sound level dB(A)	72	74	74,5
Sound level with plenum dB(A)	65	70	70

JETCLEAN DF1



* •SOUNDPROOF PLENUM (OPTIONAL)

JETCLEAN DF2



* •SOUNDPROOF PLENUM (OPTIONAL)

DIMENSIONS

JETCLEAN DF1	A	B	C	D	E	F	INLET
JETCLEAN DF1-0,75	26.5"	35.6"	45.7"	36.9"	92.9"	60.2"	1 x Ø6"

JETCLEAN DF2	A	B	C	D	E	F	INLET
JETCLEAN DF2-1,1	29.5"	37.6"	54.3"	45.6"	101.5"	65.1"	1 x Ø6"
JETCLEAN DF2-2,2	29.5"	37.6"	55.9"	45.6"	101.5"	65.1"	2 x Ø6" vers. from 3 HP

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WELDING | GRINDING | DEBURRING | SMALL DRY DUST

GRINDEX DF JET

Extraction and capture of grinding 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

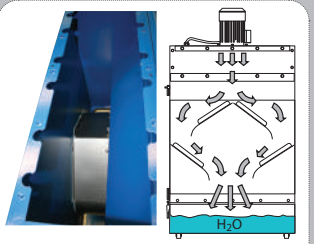
The Coral GRINDEX DF JET extracts the air contaminated with solids and particulate from any dry grinding process such as handheld grinders up the automated machine grinders.
The extracted air is then conveyed through a series of pipes or flexible duct to the inlet of the Coral GRINDEX DF JET where a 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 back pulse cleaning of the filter cartridges. When the cleaning cycle is initiated, a blast of compressed air is released inside the filter cartridges creating a shock wave that the 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.

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

TECHNICAL FEATURES

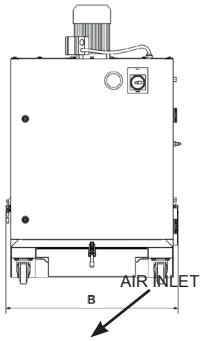
OPERATING PRINCIPLE

DIMENSIONS

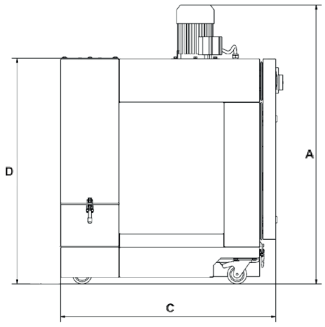
	GRINDEX DF JET		
	DF1	DF2	DF2
Height (A)	45.6"	54.4"	55.9"
Width (B)	26.5"	29.5"	29.5"
Depth (C)	35.6"	37.5"	37.5"
D	36.9"	45.5"	45.5"

Dimensions (inch)

FRONT VIEW

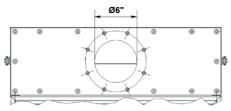


LEFT VIEW

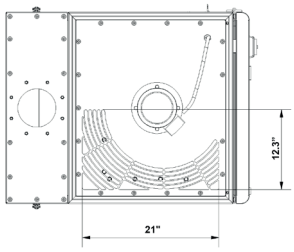


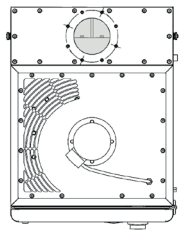
Dimensions (inch)

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_20	4" H_20	4" H_20
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

E: info@coral.us **www.coralnorthamerica.com**

CORAL USA CORP.
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GRINDING | WELDING | SANDING | POLISHING

POLIJET DF

Downdraft table with cartridge filters

OVERVIEW

The Coral POLIJET DF downdraft table is an ideal solution for the extraction of dust and fumes generated from local bench top grinding, welding, sanding and finishing operations typically found in the following industries...wood, marble, metalworking, foundries, and more.
The Coral POLIJET DF bench top has an open slotted work surface designed to capture and extract all fumes and harmful dust created at the source, thus eliminating any health hazard for the employee performing the above tasks.
The Coral POLIJET DF is always operating at peak efficiency thanks to our pneumatic cleaning system. Compressed air stored in an internal tank allows the operator to initiate a back pulse cleaning of the filter cartridges. When the cleaning cycle is initiated, a blast of compressed air is released inside the filter cartridges creating a shock wave that the forces the filter cartridges to release the particles from the surface. The collected solids fall by gravity to a lower collection bin. Clean air is returned to the working environment.

EFFICIENCY & ROBUST CONSTRUCTION

The Coral POLIJET DF is a self-contained work table featuring sophisticated filter cartridges (instead of usual filter bags), which are capable of filtering particle sizes down to approximately 0.2 - 2 microns, our **filtering efficiency is rated at 99,9%**.
The robust construction of the Coral POLIJET DF is assembled from steel panels bolted together which allows Coral POLIJET DF to **safely handle work loads of up to 60 lb/ft²** distributed on the tabletop.
The back wall of the Coral POLIJET DF table top also acts as a ventilation and extraction zone and is constructed from heavy duty galvanized steel panels which are removable so that maintenance can do inspections if necessary. Side walls are available to prevent and assist in the capture of pollutants and eliminate the further spread of the material. Pricing is available on request.

MANUAL CLEANING SYSTEM

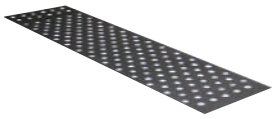
The Coral POLIJET DF "down flow" worktable has a large pre-chamber, where most of the heavy dust is separated and deposited in the collecting bin. The contaminated air then passes through our Coral high efficiency filter cartridges where 99% of the airborne dust is removed. Our Coral suction fan is located in a soundproofed box to ensure quiet operation. The cartridges are kept in perfect working order by programmable electronic compressed air cleaning system described above.

HORIZONTAL CARTRIDGES

The horizontal installation of our special Coral POLIJET DF cartridges allows for easy access and quick maintenance of the filter section. Where permitted, the filtered air is discharged into the work environment, which allows for **significant energy savings**.

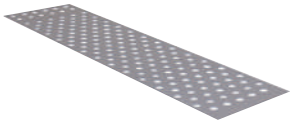
OPTIONS

- SUCTION TOP FELT LAYER



- SUCTION WALL LIGHT KIT

- AUTOMATIC FIRE EXTINGUISHER WITH CONTROL BOARD
- SUCTION TOP POLYPROPYLENE LAYER



- TOTAL PAINTING

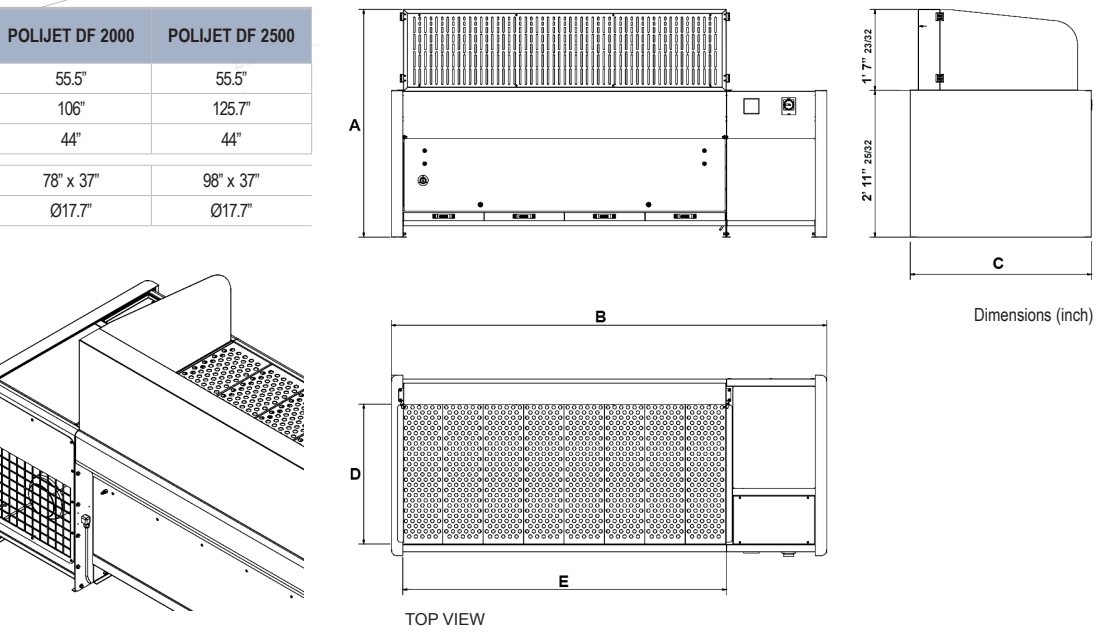
- WIRE MESH PRE FILTER

TECHNICAL FEATURES

OPERATING PRINCIPLE

DIMENSIONS

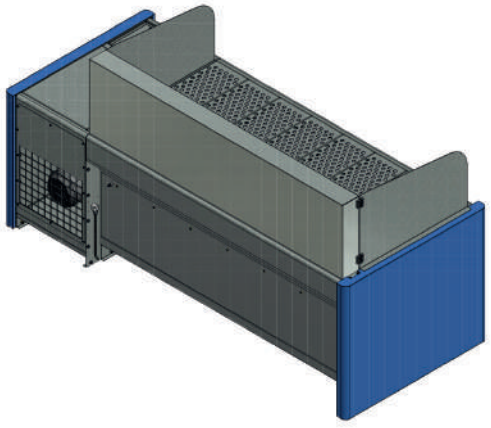
	POLIJET DF 1500	POLIJET DF 2000	POLIJET DF 2500
Height (A)	55.5"	55.5"	55.5"
Width (B)	86.3"	106"	125.7"
Depth (C)	44"	44"	44"
Polluted air inlet (ExD)	59" x 37"	78" x 37"	98" x 37"
Clean air output	Ø17.7"	Ø17.7"	Ø17.7"



Dimensions (inch)

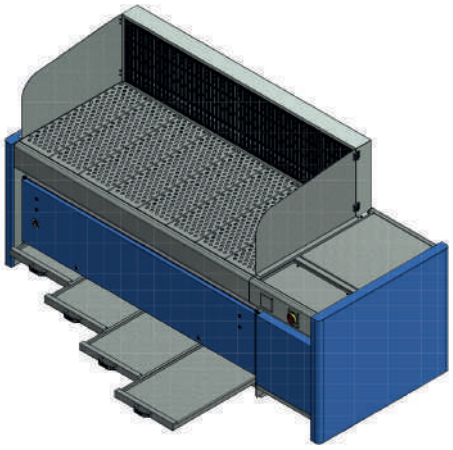
PERFORMANCE

	POLIJET DF 1500	POLIJET DF 2000	POLIJET DF 2500
Power [HP]	4	5.5	7.5
Power supply voltage 3Ph [V]	440	440	440
Frequency [Hz]	60	60	60
Motor phase [Ph]	3	3	3
RPM	3450	3450	3450
Max flow rate [cfm]	2950	4000	4710
No. of collection drawers	3	4	5
Drawer storage capacity [Gal]	10,3	13,7	17,2
Peso [Lbs]	925	1124	1344



MAX. ALLOWABLE LOAD ON WORK SURFACE	POLIJET DF 1500	POLIJET DF 2000	POLIJET DF 2500
Distributed load [lbf/ft²]	51,2	51,2	51,2
Useful support surfaces [ft²]	14	18,3	22,6

NOISE LEVELS	POLIJET DF 1500	POLIJET DF 2000	POLIJET DF 2500
Sound level dB(A)	84	85,9	87,5
Sound level with afon dB(A)	76	77,4	78,5



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GRINDING | DEBURRING | POLISHING | SANDING | THERMAL CUTTING | WELDING | DRY DUST

IPERJET DF

Welding Fume and dust collector with 4, 6 or 9 horizontal cartridges

OVERVIEW

The Coral IPERJET DF dust collection system is unique as we designed it to have horizontally fixed filter cartridges which makes servicing much easier for your maintenance team.
The Coral IPERJET DF is suitable for applications that require the removal and filtration of welding fumes and dust as well as of small quantities of chips from many different applications.
The Coral IPERJET DF collection system is the ideal solution for all applications where extraction, collection and removal of pollutants are required so that indoor air can be returned to the working environment. With today's utility costs constantly rising, evacuating conditioned and contaminated air from the plant floor to the outdoors is no longer feasible. The Coral IPERJET DF allows filtered air to be safely returned to the work environment.

IPERJET DF 9

WORKING PRINCIPLE

The Coral IPERJET DF is designed so that incoming air enters the top of the unit and travels down the back side, the contaminated air then makes a 180° turn and travels straight up into the filter chamber. Due to the rapid change in direction, any heavy solids fall out of the air stream and are deposited into a first stage collection bin located at the back of the unit.
Contaminated air then passes through our specially designed high efficiency filter cartridges where 99% of the harmful solids are removed.
The Coral electronically controlled pneumatic back pulse system keeps our high efficiency filter cartridges operating at peak efficiency. The controller constantly monitors the condition of the filter cartridges by using differential pressure, always checking the inlet pressure against the outlet pressure. Once the controller detects that the filter cartridges are clogging, a cleaning cycle is initiated. During the cleaning cycle, high pressure compressed air (7 bar - 101 psi) is released inside the filter cartridges creating a shock wave that forcibly pushes the collected solids off the cartridges. The solids fall by gravity to a second lower collection bin for removal.
The Coral high-performance fan mounted on the top of the IPERJET DF assures a high suction capacity and quiet operation.

HORIZONTAL CARTRIDGES

What makes our system unique is the horizontal mounting of the specially designed Coral filter cartridges. This allows operators easy access and a quick maintenance of the filtering cartridges when required. Simply open the door, loosen four retaining bolts, twist and remove.

COLLECTION BINS

FIBER FILTERING CARTRIDGES

The horizontal position of the cartridges allows an easy access and a quick maintenance of the filtering area.

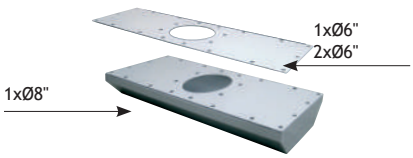
ON/OFF
THERMAL SWITCH

OPTIONS

INLET

·INLET CONNECTION

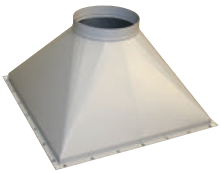
·INLET CONNECTION FOR ARMS.
FOR IPERJET DF4 AND DF 4R ONLY.



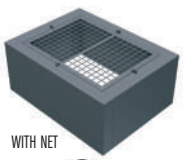
·EVOLUTION NO-SMOKE ARM
FOR IPERJET DF4 AND DF 4R ONLY

OUTLET

·DUCTING KIT FOR CLEAN AIR OUTLET

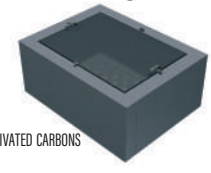


·SOUNDPROOF PLENUM



WITH NET

WITH HEPA FILTER



WITH ACTIVATED CARBONS

·FIRE EXTINGUISHER
TO BE SIZED ON APPLICATION

·ELECTRIC CONTROL BOARD
FOR DF4 AND DF6 (STANDARD FOR DF9)

TECHNICAL FEATURES

OPERATING PRINCIPLE

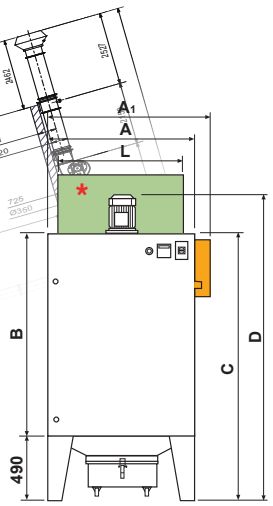
DIMENSIONS

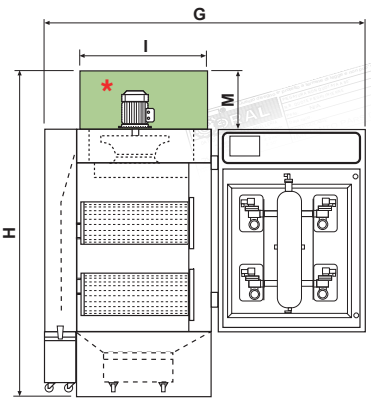
IPERJET	A	A1	B	C	D	E	F	G
DF4 - DF4 TH	36.6"	-	44.1"	63.3"	75.3"	39.9"	47.6"	82.1"
DF6 - DF6 TH	43.3"	-	51.7"	71"	83.8"	46.8"	47.6"	89"
DF9 - DF9 TH	51.1"	59"	58.6"	77.9"	92.1"	-	51.1"	100.3"

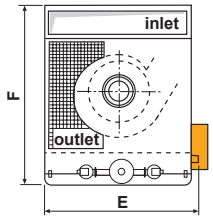
Dimensions (inches)

IPERJET	H	I	L	M
DF4 - DF4 TH	80.4"	32.9"	34"	17"
DF6 - DF6 TH	92.8"	33"	40.8"	21.7"
DF9 - DF9 TH	98.8"	33"	50.9"	21.7"

IPERJET DF TH =Thermalcut version







* •SOUNDPROOF PLENUM (OPTIONAL)

•ELECTRIC CONTROL BOARD (STANDARD ONLY IN DF9)

PERFORMANCE

TOP VIEW

IPERJET	DF4/R	DF4 TH	DF6	DF6 TH	DF9	DF9 TH
Power [HP]	4	3	5,5	4	10	5,5
Power supply voltage 3Ph [V]	220/440	220/440	220/440	220/440	460	220/440
Frequency [Hz]	60					
RPM	3600	3600	3600	3600	3600	3600
Type of fan	PRA250	PRA250	PRA280	PRA250	PRA320	PRA280
Nominal air flow [cfm]	1770	1180	2360	1475	3835	2065
Usefull static pressure [InchH_2O]	5.1	7.08	3.9	5.9	5.1	5,9
Peso [lbs]	847	1012	1034	1240	1364	1654
Bin dust holding capacity (gal)	21+22	21+22	23+30	23+38	27+36	27+36
Working tank header pressure	116 psi					
Electrical feeding of valve	24 V					
Sound level dB(A)	78	77	81	77	85	79
Sound level with afon dB(A)	73	70	75	70	79	73

CARTRIDGES

Number of cartridges	4	4	6	4	9	9
IFA/BGIA rating	**M PES** Polyester	**M PES+PTFE/ MEMBRANE** Polyester-Teflon membrane	**M PES** Polyester	**M PES+PTFE/ MEMBRANE** Polyester-Teflon membrane	**M PES** Polyester	**M PES+PTFE/ MEMBRANE** Polyester-Teflon membrane
Cartridges dimensions [Inch]	Ø12.8" x 29.5"	Ø12.8" x 29.5"	Ø12.8" x 29.5"	Ø12.8" x 29.5"	Ø12.8" x 29.5"	Ø12.8" x 29.5"
Filtering surface [Sqft]	398	516	775	516	1162	775
IFA/BGIA rating		**M NANOTECH** cellulose with nanofibers		**M NANOTECH** cellulose with nanofibers		**M NANOTECH** cellulose with nanofibers
Cartridges dimensions [Inch]		Ø12.8" x 25,9"		Ø12.8" x 25,9"		Ø12.8" x 25,9"
Filtering surface [Sqft]		904		904		1356

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GRINDING | DEBURRING | POLISHING | SANDING | THERMAL CUTTING | WELDING | DRY DUST

IPERJET DF MAX

Welding Fume collector filter with 9-12 or 12-18 horizontal cartridges

Overview

The Coral IPERJET DF MAX dust collection system is the same as our IPERJET DF except it allows for more air flow for larger applications. The Coral IPERJET DF MAX is unique as we designed it to have horizontally fixed filter cartridges which makes servicing much easier for your maintenance team.
The Coral IPERJET DF MAX is suitable for applications that require the removal and filtration of welding fumes and dust as well as small quantities of chips from many different applications.
The Coral IPERJET DF MAX collection system is the ideal solution for all applications where extraction, collection and removal of pollutants are required so that indoor air can be returned to the working environment. With today's utility costs constantly rising, evacuating conditioned but contaminated air from the plant floor outdoors is no longer possible.
The Coral IPERJET DF allows filtered air to safely be returned to the work environment.

Working Principle

The Coral IPERJET DF MAX is designed so that incoming air enters the top of the unit and travels down the back side, the contaminated air then makes a 180˚ turn and travels straight up into the filter chamber. Due to the rapid change in direction, heavy solids fall out of the air stream and are deposited into a collection bin located at the back of the unit.
Contaminated air then passes through our specially designed high efficiency filter cartridges where 99% of the harmful solids are removed.
The Coral electronically controlled pneumatic back pulse system keeps our high efficiency filter cartridges operating at peak efficiency. The controller constantly monitors the condition of the filter cartridges by using differential pressure, always checking the inlet pressure against the outlet pressure. Once the controller detects that the filter cartridges are clogging, a cleaning cycle is initiated. During the cleaning cycle, high pressure compressed air (7 bar - 101 psi) is released inside the filter cartridges creating a shock wave that forcibly pushes the collected solids off the cartridges. The solids fall by gravity to a second lower collection bin for removal.
A Coral high-performance fan mounted on the top of the IPERJET DF MAX assures a high suction capacity and quiet operation.

Horizontal cartridges

What makes our system unique is the horizontal mounting of the specially designed Coral filter cartridges. This allows operators easy access and a quick maintenance of the filtering cartridges when required. Simply open the door, loosen four retaining bolts, twist and remove.

IPERJET DF MX 9 - 12 - 18 - 24

IPERJET DF MAX 9-12

Pressure switch

Electric control board

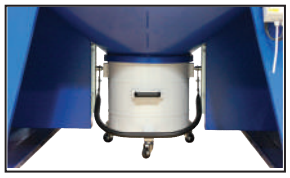
Fiber filtering cartridges

The horizontal position of the cartridges allows an easy access and a quick maintenance of the filtering area.

IPERJET DF MAX 18-24

① Pressure switch

② Economizer



Collection bins

Options

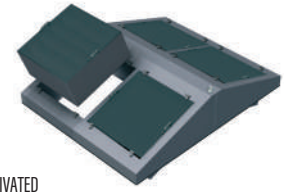
IPERJET DF MAX 9-12

- Inlet connection

- Plenum

with HEPA filter

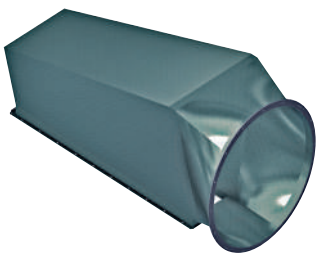
OR



with activated carbons

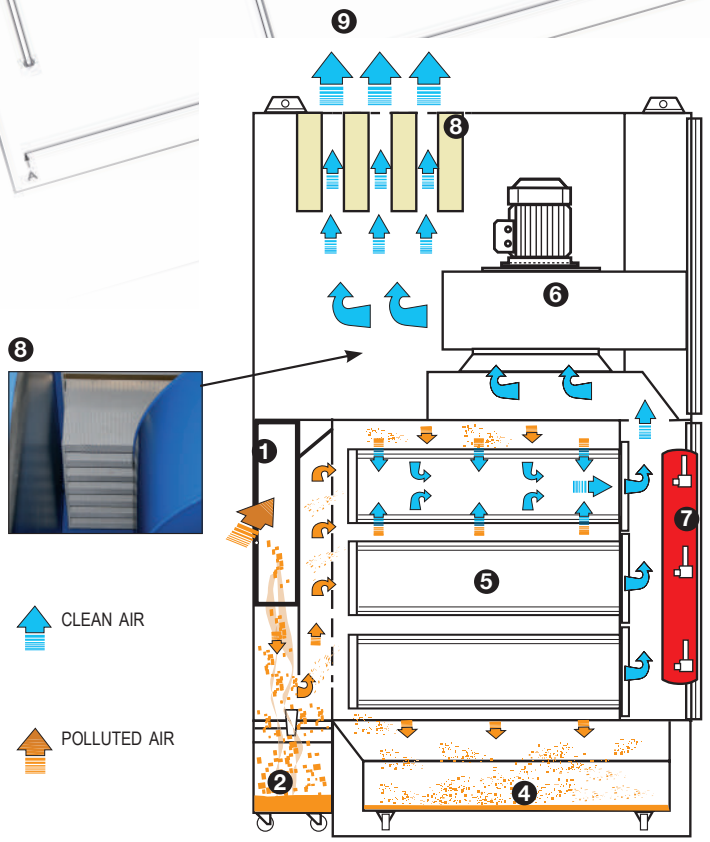
IPERJET DF MAX 18-24

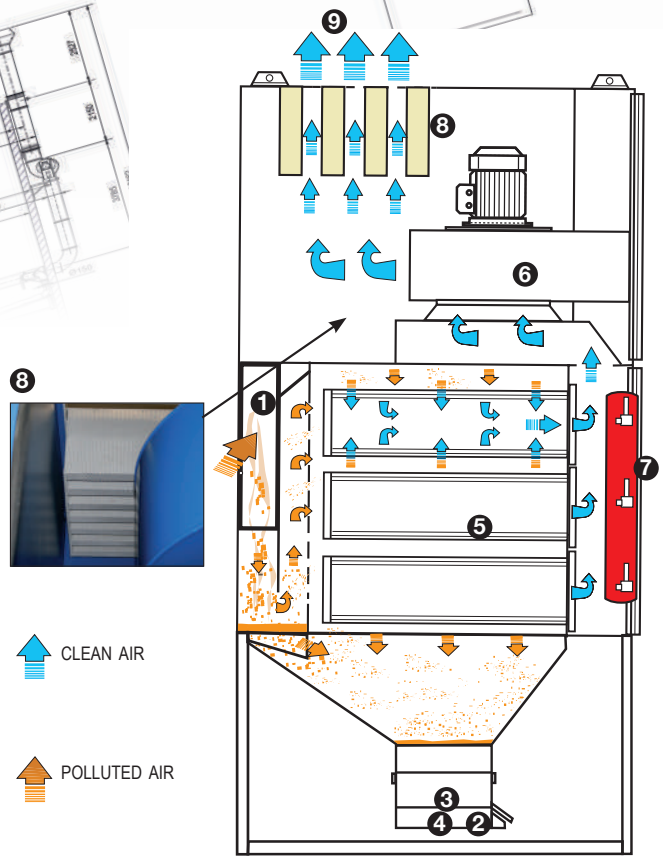
- Inlet connection & clean air outlet



TECHNICAL FEATURES

OPERATING PRINCIPLE





IPERJET DF MAX - DFMAX TC 9-12

IPERJET DF MAX TRU - DFMAX TC TRU 9-12

1. •Polluted air inlet
2. •Collection bin for coarse dusts
3. •Hopper
4. •Collection bin for fine dusts
5. •Filtering cartridges
6. •Fan
7. •Compressed air tank
8. •Additional vertical soundproofing panels (OPTIONAL)
9. •Clean air outlet

OPTIONALS MEDIA IPERJET DF MAX - DF MAX TRU

M PES/TF	M/CEL	M-PES/AX/EXAM ACCREDITED
POLYESTER/PTFE COATING	CELLULOSE	POLYESTER/ALUMINUM COATED/ANTISTATIC
M PES+ PTFE/MEMBRANE	**Ø 325 H 1200**	**M PES/OWR**
POLYESTER/TEFLON MEMBRANE		POLYESTER/OLEO-HYDROPHOBIC

M-NANOTECH Ø 325 H 1200 - Ø 325 H 1000
CELLULOSE WITH NANOFIBERS

FIBER FILTERING CARTRIDGES

	DF MAX 9	DF MAX 12	DF MAX 9	DF MAX 12	DF MAX 18	DF MAX 24	DF MAX 18	DF MAX 24
NUMBER OF CARTRIDGES	9	12	6	9	18	24	18	24
IFA/BGIA RATING	M PES (STANDARD) POLYESTER		M-NANOTECH CELLULOSE WITH NANOFIBERS		M PES (STANDARD) POLYESTER		M-NANOTECH CELLULOSE WITH NANOFIBERS (OPTIONAL)	
FILTERING SURFACE	10 -15-20 HP 2034 SQ.FT	15-20-25 HP 2712 SQ. FT	7,5 HP 10 HP 2131 SQ.FT 2583 SQ.FT	20 HP 3875 SQ.FT	4069 SQ.FT	5425 SQ.FT	7750 SQ.FT	10333 SQ.FT
CARTRIDGE DIMENSIONS	Ø13-H 47 INCHES		Ø13-H 39 INCHES	Ø13-H 47 INCHES	Ø13-H 47 INCHES		Ø13-H 47 INCHES	

IPERJET DF MAX

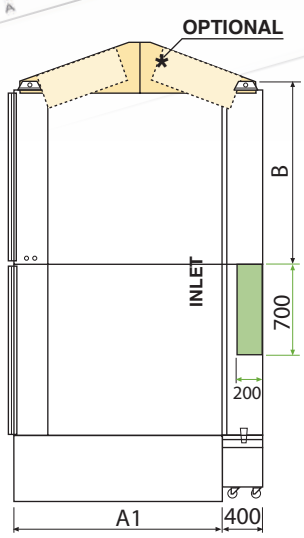
- WELDING FUMES
- METAL DUSTS AND FUMES
- THERMAL BREAK

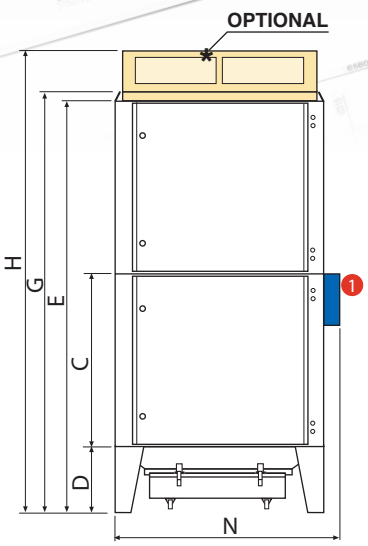
	DF MAX - DF MAX TRU 9			DF MAX - DF MAX TRU 12			DF MAX TC- DF MAX TC TRU 9		12
	10 HP	15 HP	20 HP	15 HP	20 HP	25 HP	7,5 HP	10 HP	20 HP
NO. OF EVOLUTION ARMS SUGGESTED WITH THE FLOW RATE OF 1300 m³/h EACH ARM Ø 6 INCHES	6	7	8	7	9	10			
	5	6	7	6	9	10			
SUGGESTED AIR INLET CONNECTION 7,9x27,5 INCHES TO DIA	Ø 15,74"	Ø 16,53"	Ø 18,89"	Ø 15,74"	Ø 18,89"	Ø 20,47"			
	Ø 12,40"	Ø 13,77"	Ø 14,96"	Ø 13,77"	Ø 15,74"	Ø 16,53"	Ø 11,02"	Ø 11,81"	Ø 14,96"
AIR TRANSPORT SPEED INSIDE THE PIPE	18 m/s	19 m/s	17 m/s	18 m/s	19 m/s	18 m/s	22,6 m/s	23,8 m/s	22,7 m/s
	25 m/s	25 m/s	25 m/s	23 m/s	25 m/s	25 m/s			

TECHNICAL FEATURES

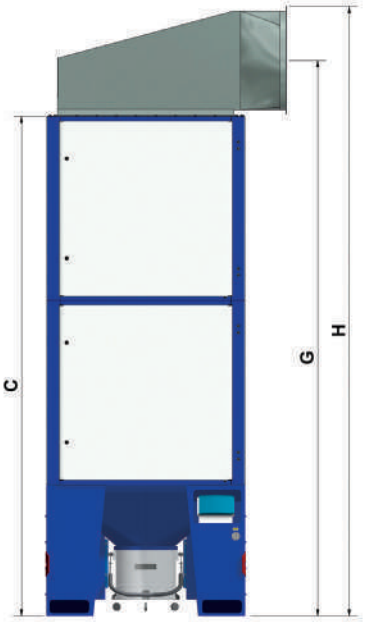
DIMENSIONS

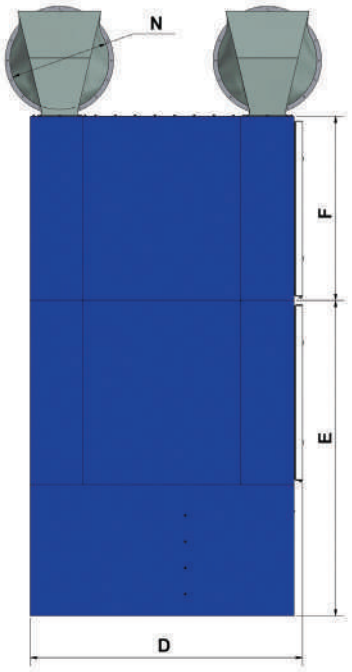
IPERJET DF MAX - DFMAX TC 9-12

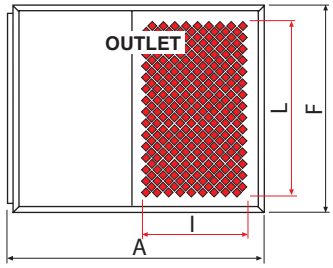




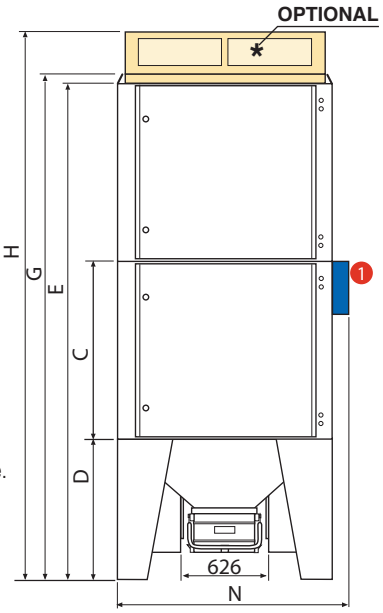
IPERJET DF MAX 18 - 24

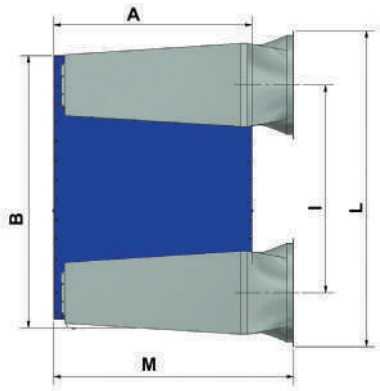


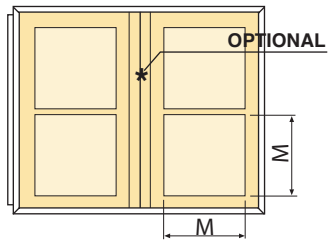




IPERJET DF MAX TRU
DFMAX TC TRU 9-12







•Air inlet positioned on right and left side. For model MAX 12 using 15 and 18.5 kW please use both of them.

* •HEPA H13 filter or with activated carbons
OPTIONAL

1 •Electric control board

IPERJET DF MAX	A	A1	B	C	D	E	F	G	H	I	L	M	N	
DF MAX - DF MAX TC 9	75	57	53	50	19	119	59	122	132	32	49	24	67	inches
DF MAX TRU - DF MAX TC TRU 9	75	-	53	50	39	139	59	142	152	32	49	24	67	inches
DF MAX - DF MAX TC 12	82	66	53	55	19	124	59	127	138	32	49	24	69	inches
DF MAX TRU - DF MAX TC TRU 12	82	-	53	55	39	144	59	147	161	32	49	24	69	inches
DF MAX 18	59	-	81	150	81	94	55	164	178	62	90	71	24	inches
DF MAX 24	59	-	81	150	81	94	55	166	183	62	95	71	29	inches

PERFORMANCE

IPERJET DF MAX	DF MAX9 - DF MAX9 TRU			DF MAX9 TC - DF MAX9 TC TRU	
Air flow	4708 cfm	5591 cfm	6474 cfm	2943 cfm	3531 cfm
	4120 cfm	5002 cfm	5886 cfm		
Fan	PRH450/R	PRH450	PR500/R	PRA280	PRA320
Power / Number of poles	10 HP	15 HP	20 HP	7,5 HP	10 HP
R.P.M	3450	3450	3450	3450	3450
Available static pressure at unit inlet	5,15 in H_2O	5 in H_2O	6,5 in H_2O	4,1 in H_2O	5,8 in H_2O
	6,3 in H_2O	6,3 in H_2O	7,5 in H_2O		
Average sound level	80 dB	82 dB	83 dB	73 dB	76 dB
	78 dB	79 dB	80 dB	71 dB	74 dB
Bin dust holding capacity	36÷60 gal	36÷60 gal	36÷60 gal	36÷60 gal	36÷60 gal
Bin dust holding capacity TRU	13 gal	13 gal	13 gal	13 gal	13 gal
Weight	3152 lb	3196 lb	3306 lb	3152 lb	3196 lb
Working tank header pressure	Max 101 PSI				
Electrical feeding of valve	24 VAc				

* Vertical soundproofing (OPTIONAL) Welding fumes Metal dusts and fumes Thermal cut

IPERJET DF MAX	DF MAX12 - DF MAX12 TRU			DF MAX12 TC - DF MAX12 TC TRU
Air flow	5297 cfm	7357 cfm	8240 cfm	5297 cfm
	4708 cfm	6474 cfm	7357 cfm	
Fan	PRH450	PR500/R	PR500/R	PRA360
Power / Number of poles	15 HP	20 HP	25 HP	20 HP
R.P.M	3450	3450	3450	3450
Available static pressure at unit inlet	6,3 in H_2O	5,8 in H_2O	6 in H_2O	9,5 in H_2O
	7,4 in H_2O	7,3 in H_2O	7,8 in H_2O	
Average sound level	80 dB	82 dB	83 dB	
	78 dB	79 dB	80 dB	80 dB
Bin dust holding capacity	50÷79 gal	50÷79 gal	50÷79 gal	13 gal
Bin dust holding capacity TRU	13 gal	13 gal	13 gal	13 gal
Weight	3417 lb	3483 lb	3527 lb	3417 lb
Working tank header pressure	Max 101 PSI			
Electrical feeding of valve	24 VAc			

IPERJET DF MAX	DF MAX18	DF MAX24	DF MAX18 M-NANOTECH	DF MAX24 M-NANOTECH
Air flow	11771 cfm	17657 cfm	11771 cfm	17657 cfm
Bin dust holding capacity	13 gal	13 gal	13 gal	13 gal
Weight	3139 lb	3274 lb	3218 lb	3307 lb

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Innovative Air Solutions

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WELDING | THERMAL CUTTING | DRY DUST

IPERJET DF TOWER

Air Purification Tower

Overview

Coral IPERJET DF TOWER Air Purification system is designed for applications where local capture of contamination is not possible or adequate and full room filtration is required. Those applications would include installations where the following is not possible.

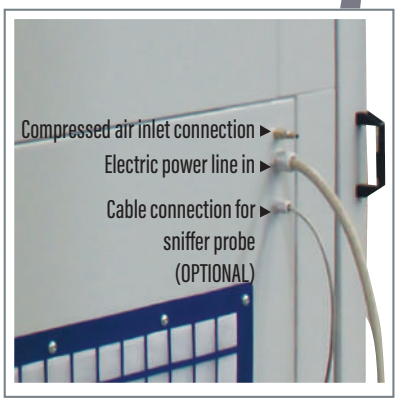
- Local/source exhaust is difficult or not possible
- Ductwork installation is complicated or not suitable
- Air-conditioned or heated spaces where exhausting the conditioned air outdoor is not prudent and the need to recycle the indoor air is required to save energy costs.
- Environments where the source of pollutant/smoke is changing depending on process
- Insufficient local exhaust performed by portable units or weak filtering capability of the existing pollution control systems

Working Principle

Polluted air is sucked in at the top inlet of the IPERJET DF TOWER and filtered by the our high efficiency Class M filter cartridges up where up to 99,9% of dust particles are removed and clean, healthy air is returned in the workspace. Clean air benefits all employees in the workspace and will lead to increased production. As an option, we can provide high efficiency HEPA H13 post filters that guarantee up to 99,95% of pollutants down to 0.3 microns are removed.

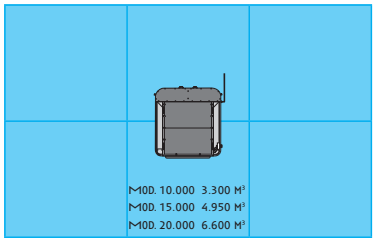
Benefits

- Reduce energy costs, eliminate the need to exhaust plant climate-controlled air. (up to 70% savings depending on location and climatic conditions)
- Easy and low installations cost, no need for costly piping or duct work.
- Easy to transportation and install, includes lifting eyelets and forklift lifting points
- Quick maintenance of the horizontal cartridges
- Stand alone positioning and easy to move to another location when required.
- Easy dust disposal from a container with wheels
- User friendly touchscreen panel control
- Plug & play installation with compressed air connection and electric power
- Quiet operation due to our Coral high efficiency backward curved fans
- Layered ventilation zones that provide filtered air breathing zones for the employees



TECHNICAL FEATURES

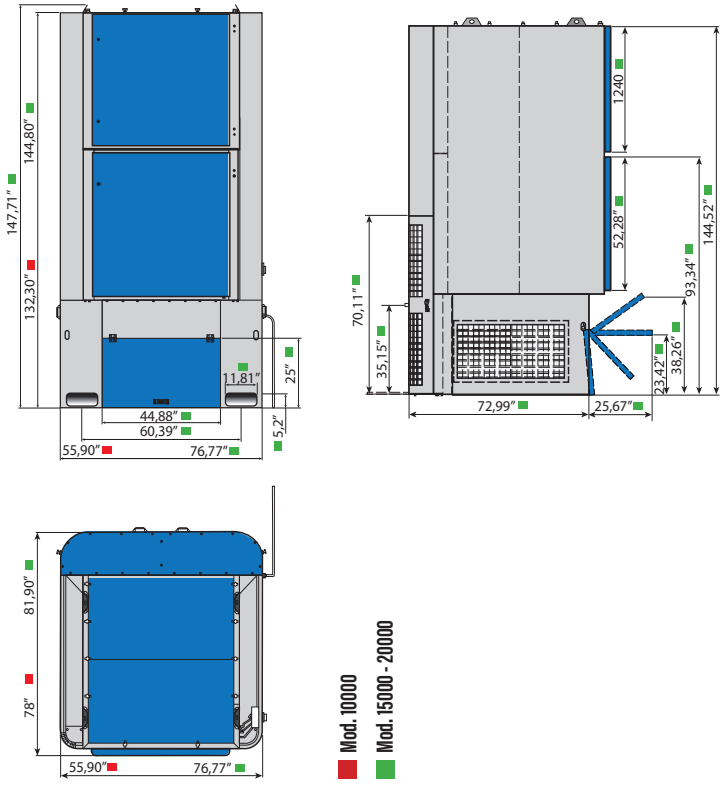
OPERATING PRINCIPLE



Values related to average smokes concentration.

IPERJET DF TOWER	10000	15000	20000
Air flow	5 885 cfm	8 828 cfm	11771 cfm
Filtering surface	1302 Sq ft	1948 Sq ft	1948 Sq ft
Number and cartridges dimensions	6 Ø 12,79" H 47,24"	9 Ø 12,79" H 47,24"	9 Ø 12,79" H 47,24"
Power	2 x 4 HP	2 x 5,5 HP	2 x 7,5 HP
R.P.M.	3450	3450	3450
Electrical feeding of fan	220/440 V. 60 Hz	220/440 V. 60 Hz	220/440 V. 60 Hz
Average sound level	66 dB	68 dB	72 dB
Bin dust holding capacity	15,85 gal	15,85 gal	15,85 gal
Dimensions	55,90" x 77,95" H 132,28" mm	55,90" x 77,95" H 132,28" mm	76,77" x 81,89" H 133,07"
Weight	2645 lb	3086 lb	3307 lb

DIMENSIONS INCHES



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WELDING | GRINDING | DEBURRING | POLISHING | SANDING | THERMAL CUTTING | DRY DUST | HAZARDOUS DUST | SANDBLASTING | POWDER COATING

AIRCOMPACT

Dust & Fume collector with fully automated reverse pulse cleaning

Overview

The CORAL AIRCOMPACT is constructed from galvanized sheet panels and is equipped with a compressed air cleaning system. The CORAL AIRCOMPACT is designed to filter and separate medium to fine dust with high level of filtering efficiency while offering a continuous reverse jet cleaning system. The CORAL AIRCOMPACT system uses a wide range of filter cartridges designed specifically to deliver peak efficiency for your application.

Working Principle

The contaminated air enters the lower section of CORAL AIRCOMPACT and, due to the unit's specific design, the velocity is immediately reduced allowing the larger particles to fall out of the air stream into the waste bin.

The fumes or dust then enter the central filter section at very low velocity allowing the filter cartridges to capture the smaller particulate. Clean air then exits the unit.

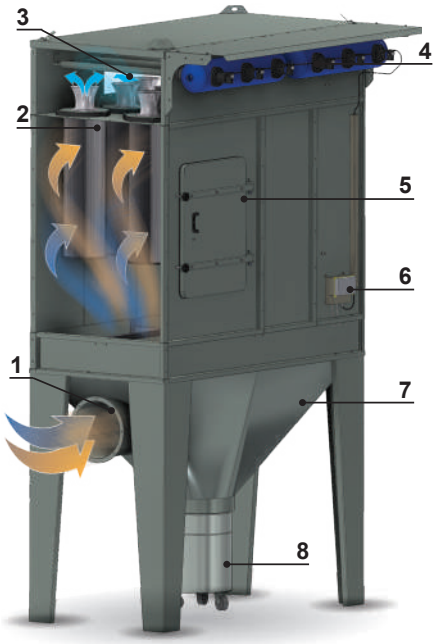
Reverse pulse cleaning

During operation, CORAL AIRCOMPACT is always operating at a perfect level of efficiency thanks to the fully automated pneumatic cleaning system. High pressure compressed air stored in a small storage tank is suddenly released inside the cartridge creating a violent counter-current wave, which reverses the direction of air flow and forces the solids collected on the cartridge surface to fall to the collection bin below.
The pulse-jet self cleaning system is electronically controlled and is constantly monitoring the difference in pressure between the clean and dirty side of the filter. The electronic controller will automatically adjust the cleaning cycles and increase or decrease the frequency of cleaning depending on the level of contamination and the pressure drop across the filter cartridges.

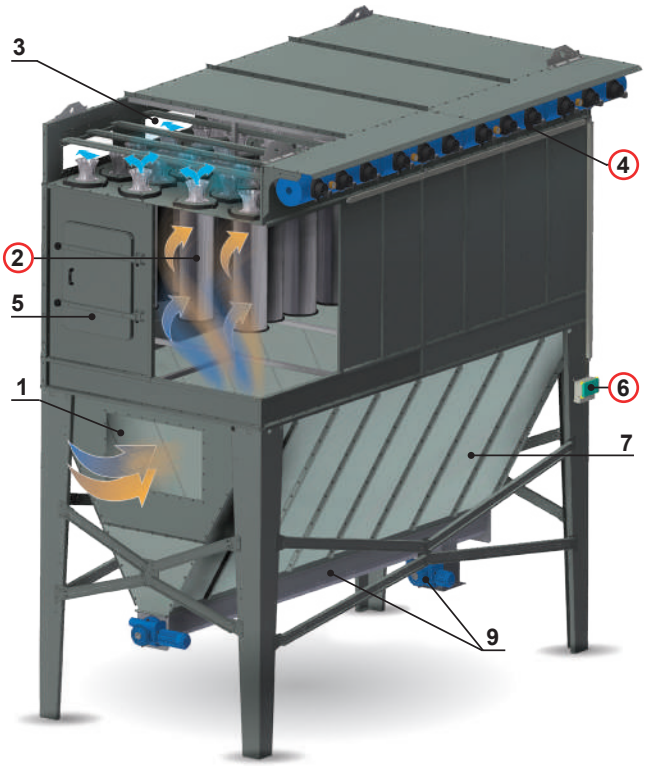
AIRCOMPACT

OPERATING PRINCIPLE

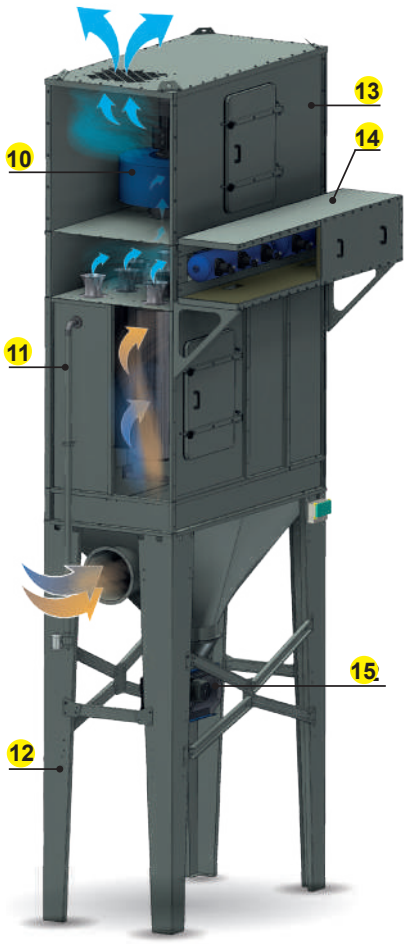
AIRCOMPACT



AIRCOMPACT CVS



OPTIONALS



LEGEND

Clean air

Air with dust

1 Dust inlet
2 Filtering cartridge L-PES class (standard)
3 Filtered air outlet
4 Compressed air tank
5 Maintenance door
6 Cyclic programmer
7 Hopper
8 Collection bin
9 Screw conveyor

OPTIONALS

10 Fan
11 Automatic or manual fire extinguishing system
12 Legs extension
13 Soundproofed box with maintenance door
14 Compressed air tank box
15 Rotary star valve (standard in CVS model)
16 Stair and balcony
17 Explosion relief panel
18 Deflector for relief panel

CORAL
Innovative Air Solutions

AIRCOMPACT

2 FILTERING CARTRIDGE

STANDARD
L PES
polyester

OPTIONALS
M PES/TF
polyester/PTFE coating
M PES+ PTFE/membrane
polyester/teflon membrane
M-PES/AX/EXAM ACCREDITED
polyester/aluminum coated/antistatic
M PES
polyester
M-PES+PTFE/Membrane-H
Fabric with H13 filtration efficiency

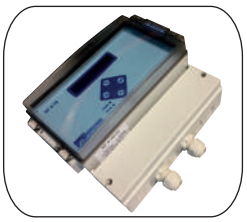
⚠ • Cartridge model choice could affect various parameters.

4

***MEMBRANE ELECTRO VALVE**: two way valve normally closed; it is activated by an electric solenoid. It holds air pressure of max.6 bar.*
The compressed air tank operates at 4 to 6 bar.

	AIRCOMPACT 6-8-12-18	AIRCOMPACT 16-24-36-48-60-72
SOLENOID VALVE MODEL	SP 30	SP 50
GAS FITTINGS (IN)	1 ½	2
PRESSURE (P.S.I.)	87	
MAX FLUID TEMPERATURE (°F)	80	80
VOLTAGE (V)	24 AC	24 AC
FREQUENCY (HZ)	50/60	50/60
POWER ABSORBED (V)	19 AC 15 DC	19 AC 15 DC
PROTECTION RATING	IP 65	IP 65
DEGREE OF PURITY OF COMPRESSED AIR	ISO 8573-1 3	ISO 8573-1 3

6



ENERGY SAVING

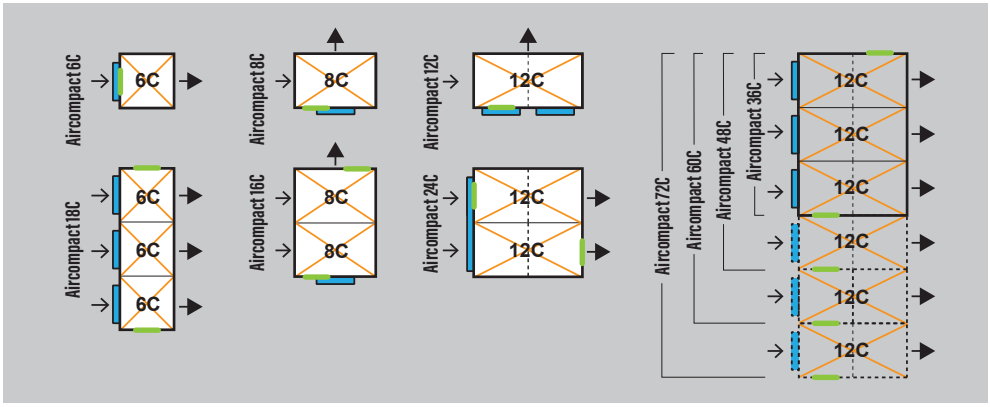
***CYCLIC PROGRAMMER (PLC):** a sealed container is used with a transparent lid, duration of injection and pause phases are preset but easily changeable.*

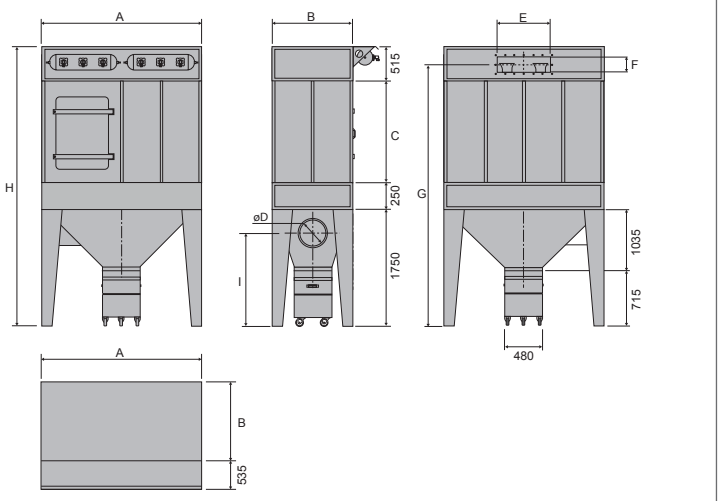
IN/OUT VOLTAGE	230 V / 24VAC
MAXIMUM CHARGING POWER	20VA pulse
TEMPERATURE RANGE	-15°C ÷ +50°C
DISPLAY	5 LEDs h 13mm
PROTECTION RATING	IP65
DP CONTROL	Internal transducer 0÷10 kPa
DIMENSIONS	235 x 190 x 120 mm
TERMINAL BOARD	2.5 mm^2 250VAC

AIRCOMPACT

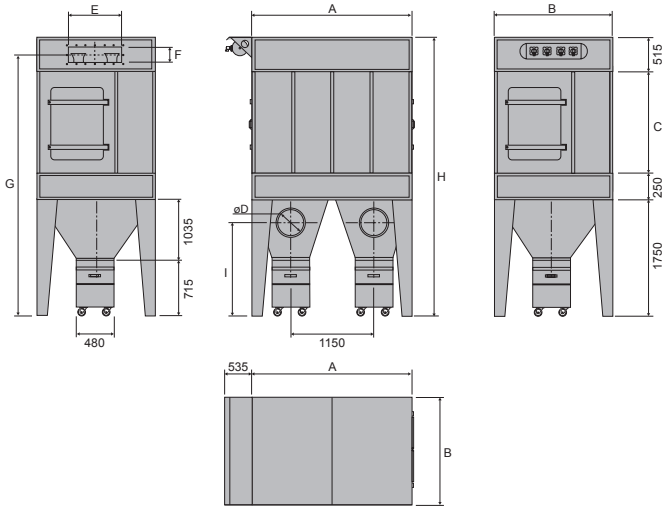
TECHNICAL FEATURES

STANDARD CONFIGURATION

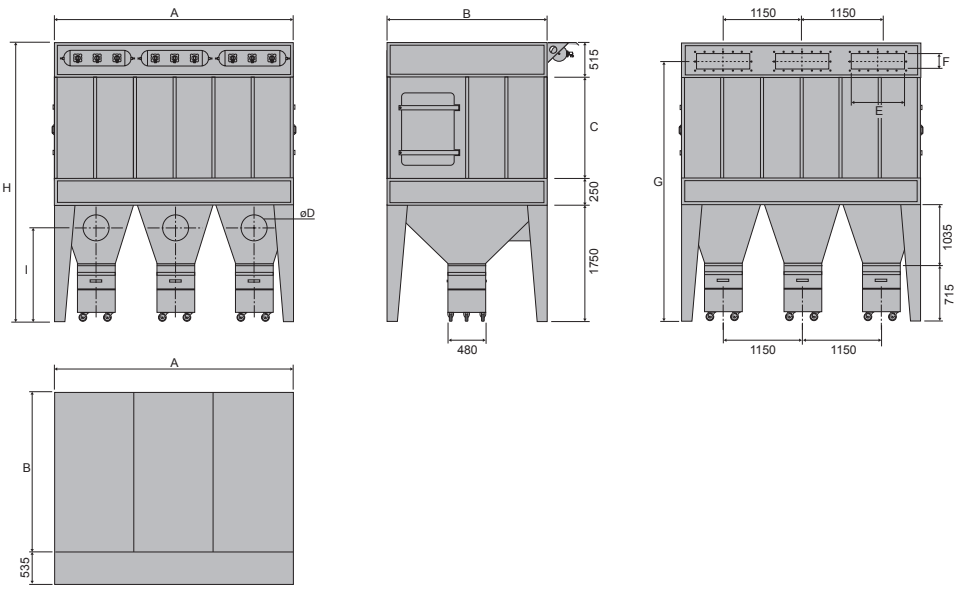




AIRCOMPACT 6-8-12C



AIRCOMPACT 16C



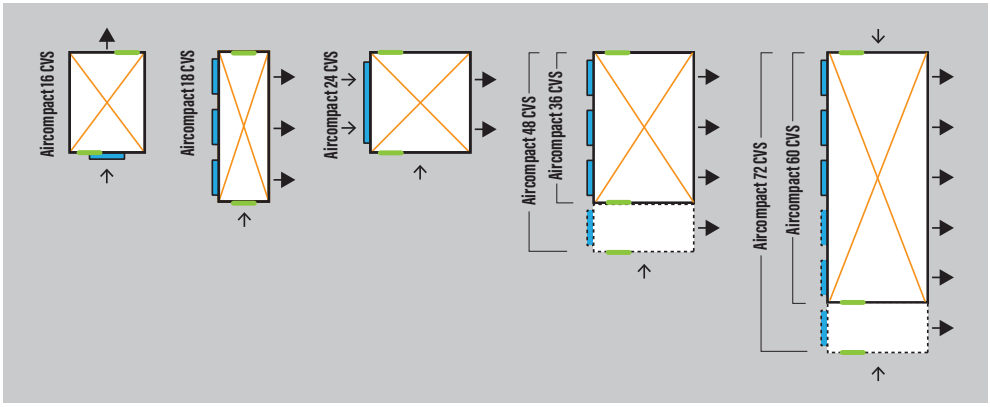
AIRCOMPACT 18-24-36-48-60-72C

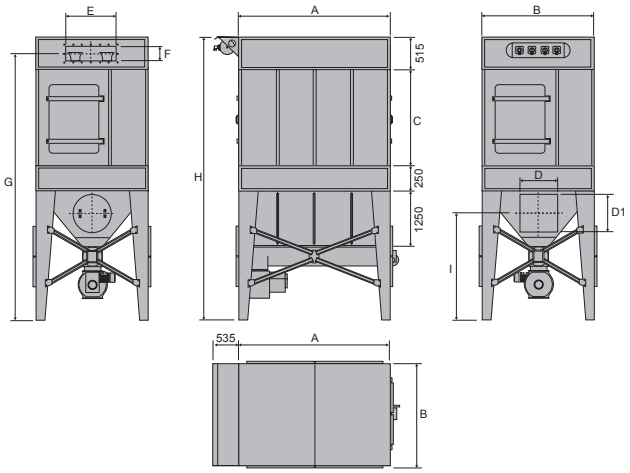
	DIMENSIONS (inches)									
	Filter						Inlet		Outlet	
	A	B	C	G	H	I	N°	ØD	N°	ExF
AIRCOMPACT 6C 700	45	45	39	124	138	53	1	15	1	27 x 7
AIRCOMPACT 6C 1000	45	45	59	144	158	53	1	15	1	27 x 7
AIRCOMPACT 6C 1200	45	45	59	144	158	53	1	15	1	27 x 7
AIRCOMPACT 8C 1000	66	45	59	144	158	53	1	15	1	27 x 7
AIRCOMPACT 8C 1200	66	45	59	144	158	53	1	15	1	27 x 7
AIRCOMPACT 12C 1000	90	45	59	144	158	53	1	15	1	27 x 7
AIRCOMPACT 12C 1200	90	45	59	144	158	53	1	15	1	27 x 7
AIRCOMPACT 16C 1000	90	66	59	144	158	53	2	15	1	27 x 7
AIRCOMPACT 16C 1200	90	66	59	144	158	53	2	15	1	27 x 7
AIRCOMPACT 18C 1000	136	45	59	144	158	53	3	15	3	27 x 7
AIRCOMPACT 18C 1200	136	45	59	144	158	53	3	15	3	27 x 7
AIRCOMPACT 24C 1000	90	90	59	144	158	53	2	15	2	27 x 7
AIRCOMPACT 24C 1200	90	90	59	144	158	53	2	15	2	27 x 7
AIRCOMPACT 36C 1000	136	90	59	144	158	53	3	15	3	27 x 7
AIRCOMPACT 36C 1200	136	90	59	144	158	53	3	15	3	27 x 7
AIRCOMPACT 48C 1000	181	90	59	144	158	53	4	15	4	27 x 7
AIRCOMPACT 48C 1200	181	90	59	144	158	53	4	15	4	27 x 7
AIRCOMPACT 60C 1000	226	90	59	144	158	53	5	15	5	27 x 7
AIRCOMPACT 60C 1200	226	90	59	144	158	53	5	15	5	27 x 7
AIRCOMPACT 72C 1000	272	90	59	144	158	53	6	15	6	27 x 7
AIRCOMPACT 72C 1200	272	90	59	144	158	53	6	15	6	27 x 7

	PNEUMATIC CLEANING			CARTRIDGES IFA/BGIA L-PES				
	N° tanks	Air volume	Valves				Filtering surface	Max air flow
	N° x Ø	gal	N° x Ø	Ø	H	N°	sq.ft	cfm
AIRCOMPACT 6C 700	1x Ø8"	8,98	3x1"½	12	27	6	721	2100
AIRCOMPACT 6C 1000	1x Ø8"	8,98	3x1"½	12	39	6	1033	3100
AIRCOMPACT 6C 1200	1x Ø8"	8,98	3x1"½	12	47	6	1291	3600
AIRCOMPACT 8C 1000	1x Ø8"	11,88	4x1"½	12	39	8	1377	4100
AIRCOMPACT 8C 1200	1x Ø8"	11,88	4x1"½	12	47	8	1722	4900
AIRCOMPACT 12C 1000	2x Ø8"	17,96	6x1"½	12	39	12	2066	6100
AIRCOMPACT 12C 1200	2x Ø8"	17,96	6x1"½	12	47	12	2583	7300
AIRCOMPACT 16C 1000	1x Ø10"	19,02	4x2"	12	39	16	2755	8000
AIRCOMPACT 16C 1200	1x Ø10"	19,02	4x2"	12	47	16	3444	9700
AIRCOMPACT 18C 1000	3x Ø8"	26,94	9x1"½	12	39	18	3100	9100
AIRCOMPACT 18C 1200	3x Ø8"	26,94	9x1"½	12	47	18	3875	11000
AIRCOMPACT 24C 1000	1x Ø10"	30,64	6x2"	12	39	24	4133	12200
AIRCOMPACT 24C 1200	1x Ø10"	30,64	6x2"	12	47	24	5166	14500
AIRCOMPACT 36C 1000	3x Ø10"	43,85	9x2"	12	39	36	6200	18200
AIRCOMPACT 36C 1200	3x Ø10"	43,85	9x2"	12	47	36	7750	21800
AIRCOMPACT 48C 1000	4x Ø10"	58,38	12x2"	12	39	48	8266	24100
AIRCOMPACT 48C 1200	4x Ø10"	58,38	12x2"	12	47	48	10333	29400
AIRCOMPACT 60C 1000	5x Ø10"	73,17	15x2"	12	39	60	10333	30600
AIRCOMPACT 60C 1200	5x Ø10"	73,17	15x2"	12	47	60	12916	36500
AIRCOMPACT 72C 1000	6x Ø10"	87,70	18x2"	12	39	72	12400	36500
AIRCOMPACT 72C 1200	6x Ø10"	87,70	18x2"	12	47	72	15500	43800

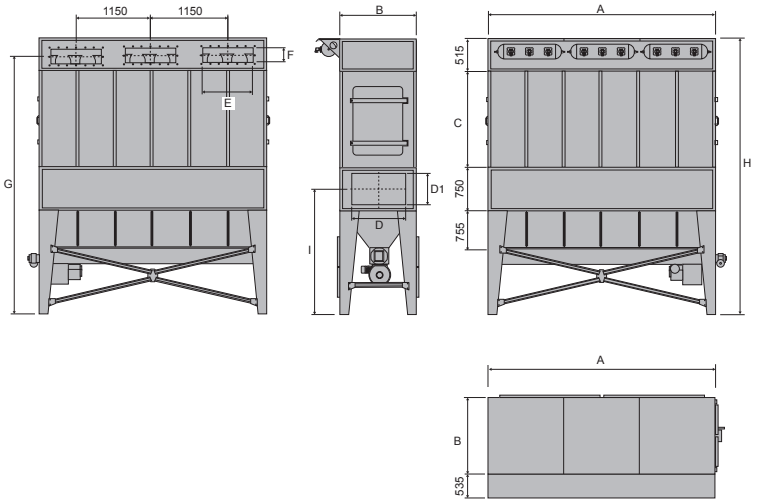
TECHNICAL FEATURES

STANDARD CONFIGURATION

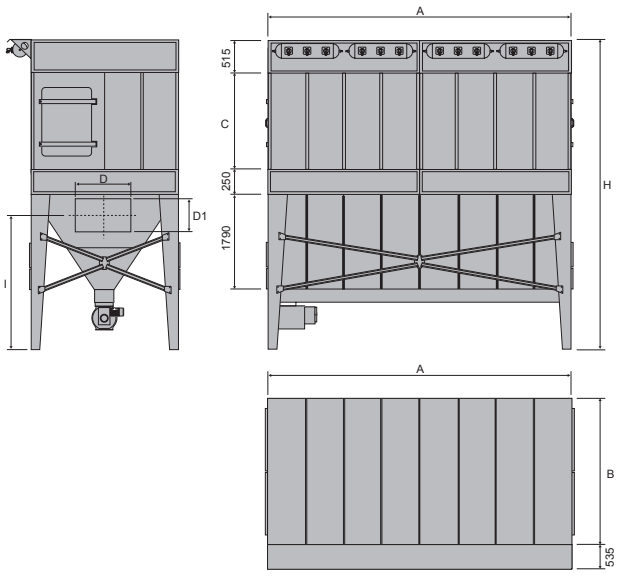




AIRCOMPACT 16C CVS



AIRCOMPACT 18C CVS



AIRCOMPACT 24-36-48-60-72C / CVS

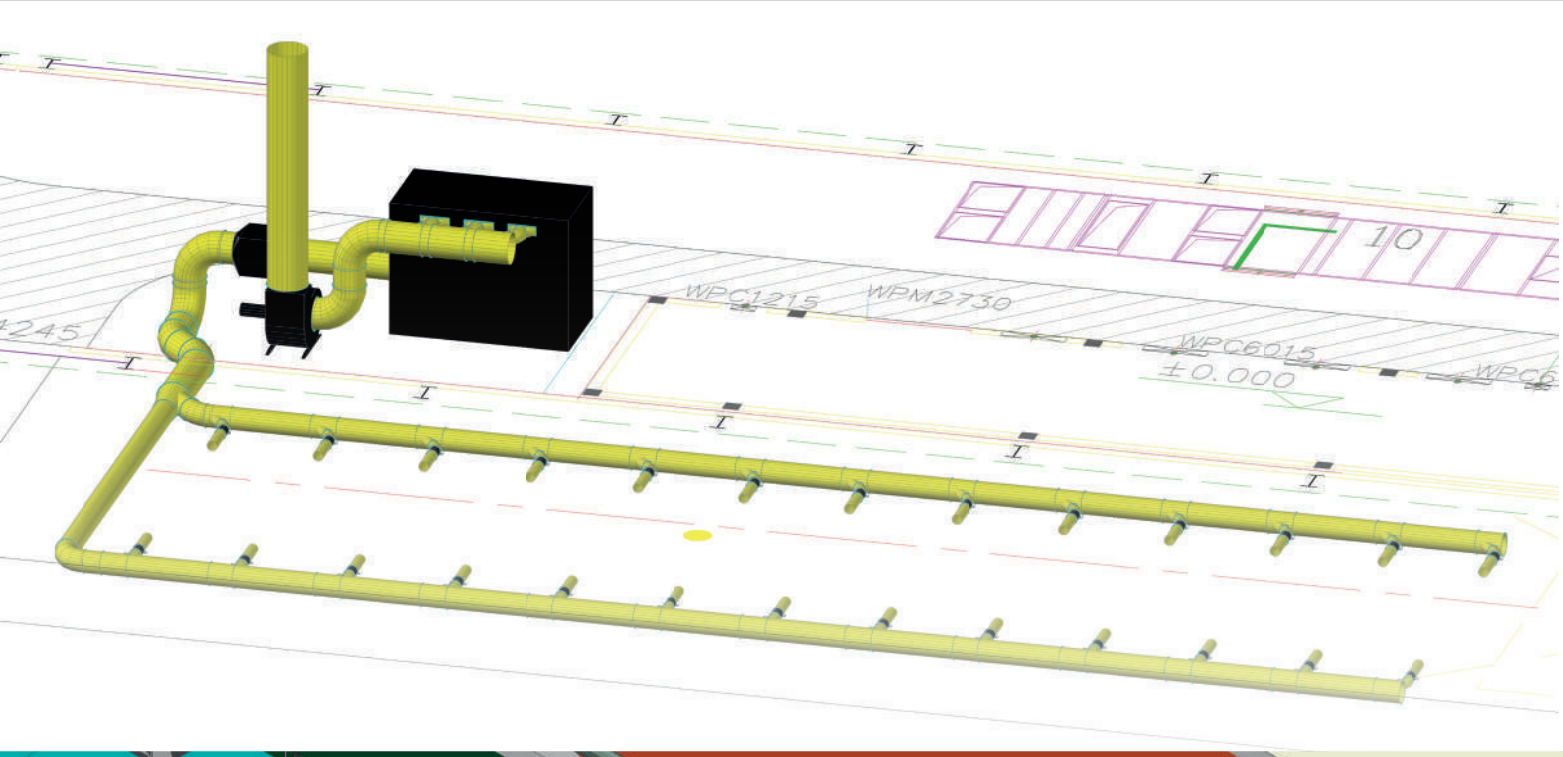
AIRCOMPACT CVS

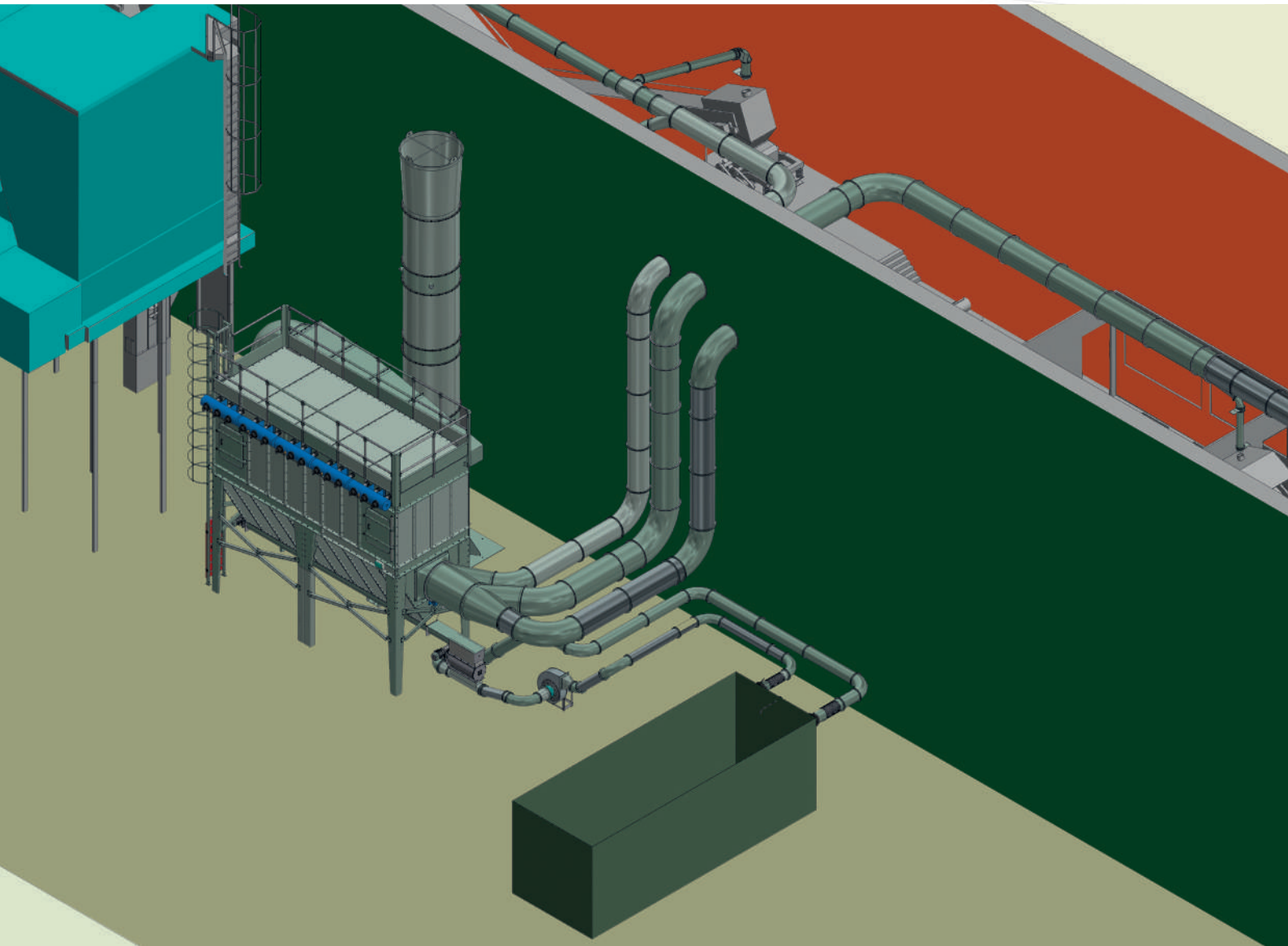
- *Version with hopper, screw conveyor and rotary valve.*

	DIMENSIONS (inches)									
	Filter						Inlet		Outlet	
	A	B	C	G	H	I	N°	DxD1	N°	ExF
AIRCOMPACT 16C 1000 CVS	90	66	59	188	203	83	1	27 x 25	1	27 x 7
AIRCOMPACT 16C 1200 CVS	90	66	59	188	203	83	1	27 x 25	1	27 x 7
AIRCOMPACT 18C 1000 CVS	135	45	59	170	183	87	1	31 x 17	3	27 x 7
AIRCOMPACT 18C 1200 CVS	135	45	59	170	183	87	1	31 x 17	3	27 x 7
AIRCOMPACT 24C 1000 CVS	90	3	59	188	203	95	1	39 x 23	2	27 x 7
AIRCOMPACT 24C 1200 CVS	90	3	59	188	203	95	1	39 x 23	2	27 x 7
AIRCOMPACT 36C 1000 CVS	136	3	59	188	203	95	1	39 x 23	3	27 x 7
AIRCOMPACT 36C 1200 CVS	136	3	59	188	203	95	1	39 x 23	3	27 x 7
AIRCOMPACT 48C 1000 CVS	181	3	59	188	203	95	1	39 x 23	4	27 x 7
AIRCOMPACT 48C 1200 CVS	181	3	59	188	203	95	1	39 x 23	4	27 x 7
AIRCOMPACT 60C 1000 CVS	226	3	59	188	203	91	2	39 x 31	5	27 x 7
AIRCOMPACT 60C 1200 CVS	226	3	59	188	203	91	2	39 x 31	5	27 x 7
AIRCOMPACT 72C 1000 CVS	272	3	59	188	203	91	2	39 x 31	6	27 x 7
AIRCOMPACT 72C 1200 CVS	272	3	59	188	203	91	2	39 x 31	6	27 x 7

	PNEUMATIC CLEANING			CARTRIDGES IFA/BGIA L-PES				
	N° tanks	Air volume	Valves				Filtering surface	Max air flow
	N° x Ø	gal	N° x Ø	Ø	H	N°	sq.ft	cfm
AIRCOMPACT 16C 1000 CVS	1x Ø10"	19	4x2"	12	39	16	2755	8000
AIRCOMPACT 16C 1200 CVS	1x Ø10"	19	4x2"	12	47	16	3444	9700
AIRCOMPACT 18C 1000 CVS	3x Ø8"	26	9x1"½	12	39	18	3100	9100
AIRCOMPACT 18C 1200 CVS	3x Ø8"	26	9x1"½	12	47	18	3875	11000
AIRCOMPACT 24C 1000 CVS	1x Ø10"	30	6x2"	12	39	24	4133	12200
AIRCOMPACT 24C 1200 CVS	1x Ø10"	30	6x2"	12	47	24	5166	14500
AIRCOMPACT 36C 1000 CVS	3x Ø10"	43	9x2"	12	39	36	6200	18200
AIRCOMPACT 36C 1200 CVS	3x Ø10"	43	9x2"	12	47	36	7750	21800
AIRCOMPACT 48C 1000 CVS	4x Ø10"	58	12x2"	12	39	48	8266	24100
AIRCOMPACT 48C 1200 CVS	4x Ø10"	58	12x2"	12	47	48	10333	29400
AIRCOMPACT 60C 1000 CVS	5x Ø10"	73	15x2"	12	39	60	10333	30600
AIRCOMPACT 60C 1200 CVS	5x Ø10"	73	15x2"	12	47	60	12916	36500
AIRCOMPACT 72C 1000 CVS	6x Ø10"	87	18x2"	12	39	72	12400	36500
AIRCOMPACT 72C 1200 CVS	6x Ø10"	87	18x2"	12	47	72	15500	43800

AIRCOMPACT





INSTALLATION EXAMPLES

CORAL
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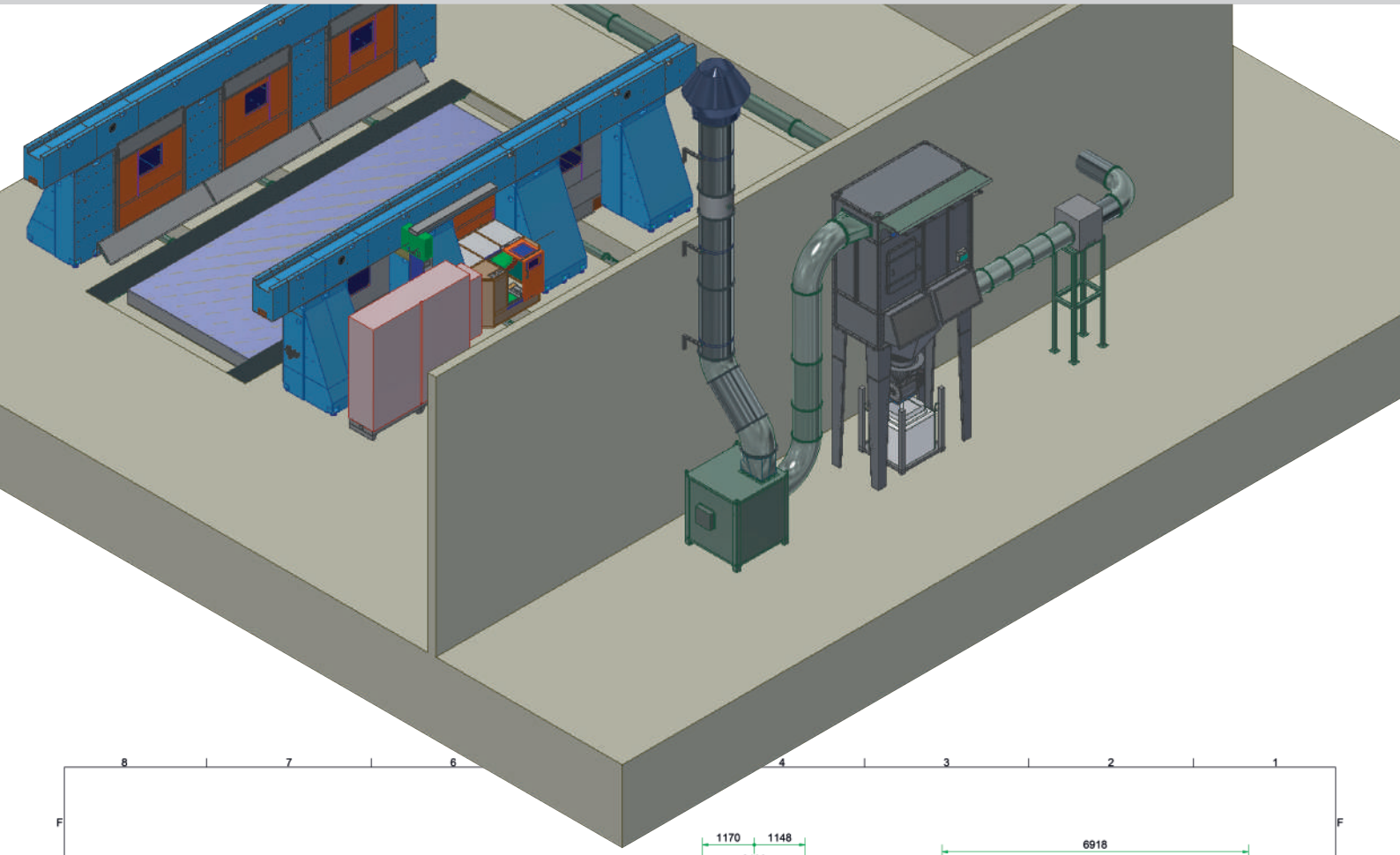

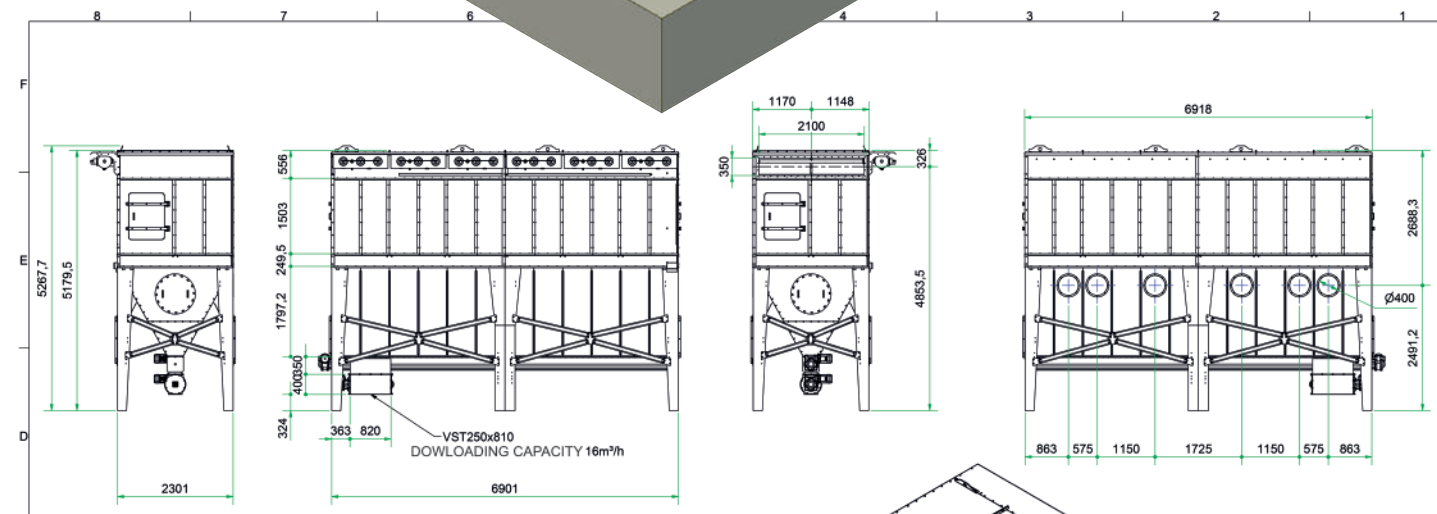

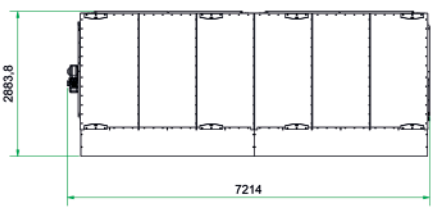

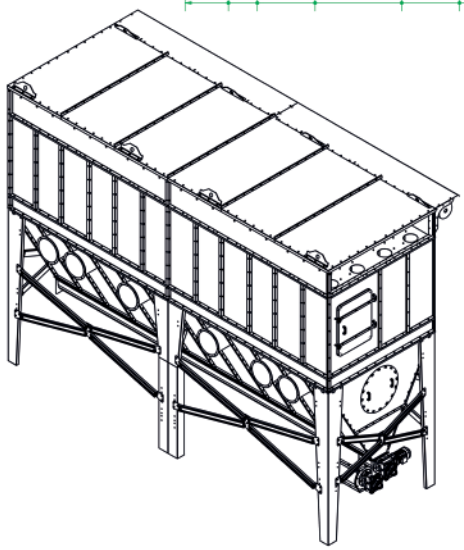

"P" TYPE CARTRIDGE ATTACHMENT — CP
SCREW CONVEYOR VST 250X810 — CVS
LEFT EXPULSION 2100x350 — ES
WITHOUT CARTRIDGES — S/C
6 INPUTS Ø 400 / F ON THE BACK
PROGRAMMER AND PNEUMATIC CLEANING AUTEL

AIRCOMPACT

CORAL®
Innovative Air Solutions

Innovative Air Solutions

CORAL USA CORP.

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WELDING | GRINDING | DEBURRING | POLISHING | SANDING | THERMAL CUTTING | DRY DUST | HAZARDOUS DUST | SANDBLASTING | POWDER COATING

AIRCOM

Dust & Fume collector with fully automated reverse pulse cleaning

Overview

The CORAL AIRCOM reverse pulse jet filter system is a highly efficient, self-maintaining filter for dust with a fully automatic cleaning system which uses compressed air.

The unit is manufactured from individual, reinforced steel panels which allows for extremely robust construction. The design incorporates an upper chamber which houses the compressed air cleaning system, the center section which includes the sleeve style filters and a lower section with the supporting legs, hopper and dirty air inlet.

Working Principle

The contaminated air enters the Coral AIRCOM inlet hopper located at the bottom of the unit. Due to the large open area of the hopper there is a decrease in air velocity which allows the larger particles to drop out into a portable waste bin which is equipment with wheels.

As an option for applications with a high volume of solids, a special pre-chamber (CC) can be added to aid in the removal of solids. Optional rotary valves and worm conveyors (CVS) are also available to help remove collected solids.

Reverse pulse cleaning

The Coral AIRCOM is always running at peak efficiency due to the reverse jet cleaning system which is electronically controlled by our Coral controller. A pressure sensing switch is always monitoring the pressure loss through the filter sleeves and activates a cleaning cycle utilizing compressed air which cleans one row of filter sleeves at a time. This method of automatic cleaning allows for a continuous air flow that is not affected by the cleaning cycles.

OPERATING PRINCIPLE

LEGEND

Clean air

Air with dust

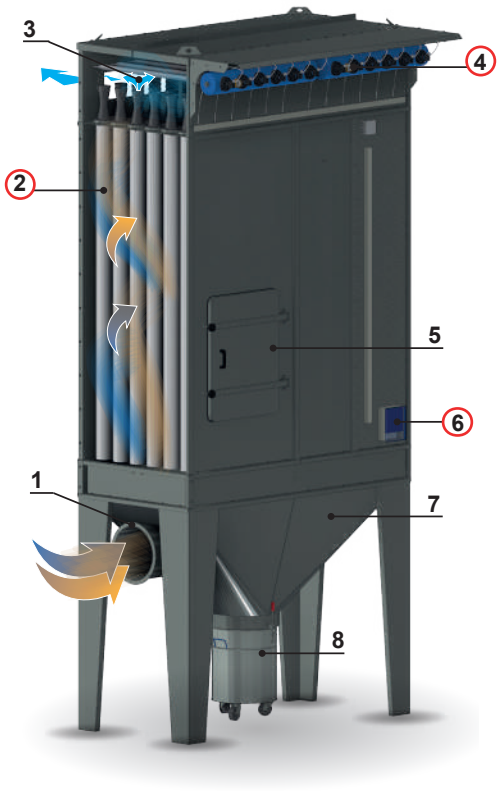
1 Dust inlet
2 Filtering sleeve PES 500 A class (standard)
3 Filtered air outlet
4 Compressed air tank
5 Maintenance door
6 Cyclic programmer
7 Hopper
8 Collection bin
9 Screw conveyor and rotary valve

OPTIONALS

10 Fan
11 Automatic or manual fire extinguishing system
12 Legs extension
13 Soundproofed box with maintenance door
14 Compressed air tank box with heaters
15 Rotary star valve (standard in CVS models) VS model
16 Stair and balcony
17 External pre-chamber

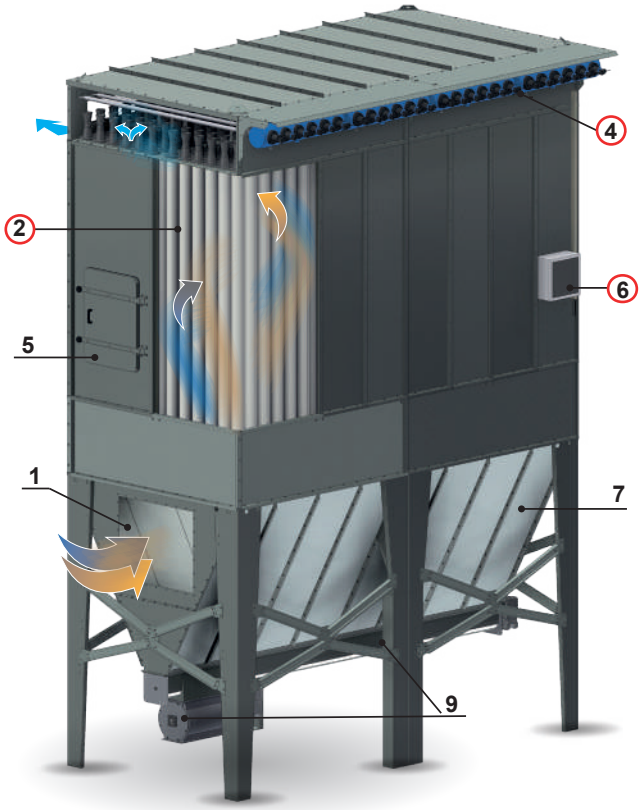
AIRCOM

WITH BINS



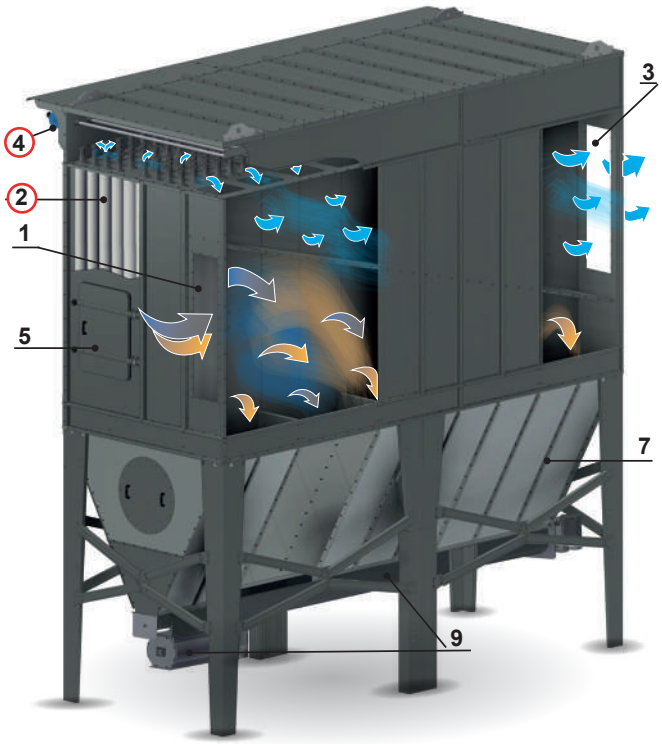
AIRCOM CVS

WITH SCREW CONVEYOR AND ROTARY VALVE
Always add the rotary valve according to our technical office suggestions.



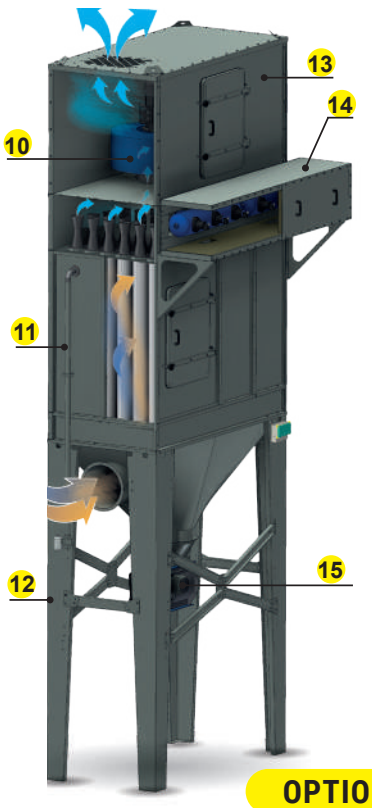
AIRCOM CC CVS

CVS PLUS SETTING CHAMBER



AIRCOM VS

WITH HOPPER AND ROTARY VALVE



OPTIONALS

CORAL
Innovative Air Solutions

2

FILTERING SLEEVE

STANDARD	
PES 500 A	
M CLASS	polyester

OPTIONALS	
PES 500/TF	
M CLASS	polyester/PTFE coating
PES 550/AX/EXAM ACCREDITED	
M CLASS	polyester/aluminum coated/antistatic
NOMEX	
	meta-aramid fiber

- *Filtering sleeve model choice could affect various parameters.*

4

***MEMBRANE ELECTRO VALVE**: two way valve normally closed; it is activated by an electric solenoid. It holds air pressure of max.6 bar. The compressed air tank operates at 4 to 6 bar.*

	AIRCOM 36-48-50-72-108	AIRCOM 96-100-144-150-200-216-250-288-350-360-400-432-504-576
SOLENOID VALVE MODEL	SP 25	SP 40
GAS FITTINGS (IN)	1	1 ½
PRESSURE (PSI)	87	
MAX FLUID TEMPERATURE (°F)	176	176
VOLTAGE (V)	24 AC	24 AC
FREQUENCY (HZ)	60	60
POWER ABSORBED (V)	19 AC 15 DC	19 AC 15 DC
PROTECTION RATING	IP 65	IP 65
DEGREE OF PURITY OF COMPRESSED AIR	ISO 8573-1 3	ISO 8573-1 3

6

ENERGY SAVING

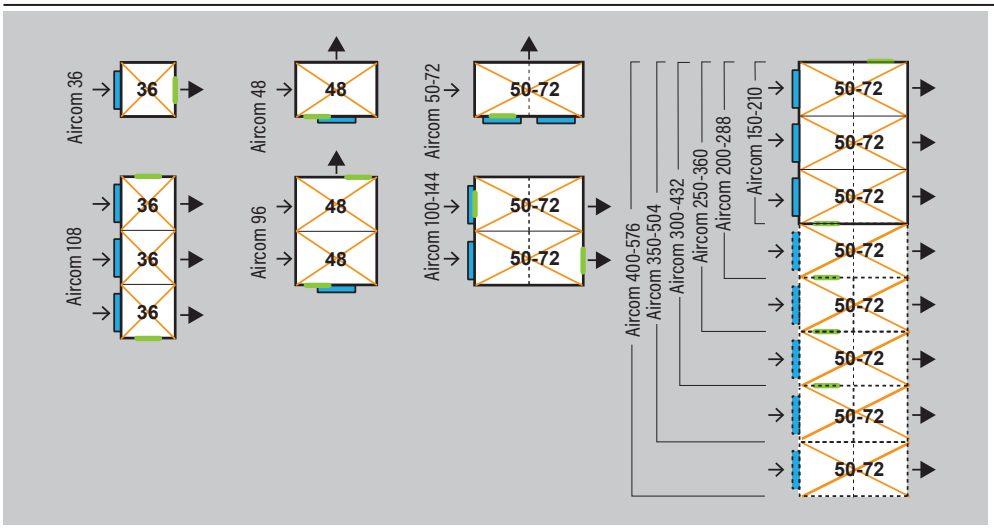
***CYCLIC PROGRAMMER WITH PRESSURE DROP CONTROL (PLC):** a sealed container is used with a transparent lid, duration of injection and pause phases are preset but easily changeable.*

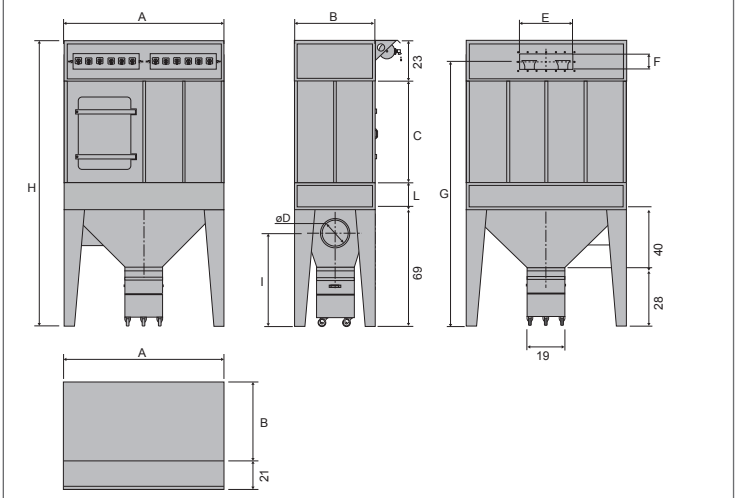
IN/OUT VOLTAGE	230 V / 24VAC
MAXIMUM CHARGING POWER	20VA pulse
TEMPERATURE RANGE	-5°F ÷ +122°F
DISPLAY	5 LEDs h 0,5 inches
PROTECTION RATING	IP65
DP CONTROL	Internal transducer 0÷10 kPa
DIMENSIONS (INCHES)	9 x 7 x 4
TERMINAL BOARD	2.5 mm^2 250VAC

AIRCOM

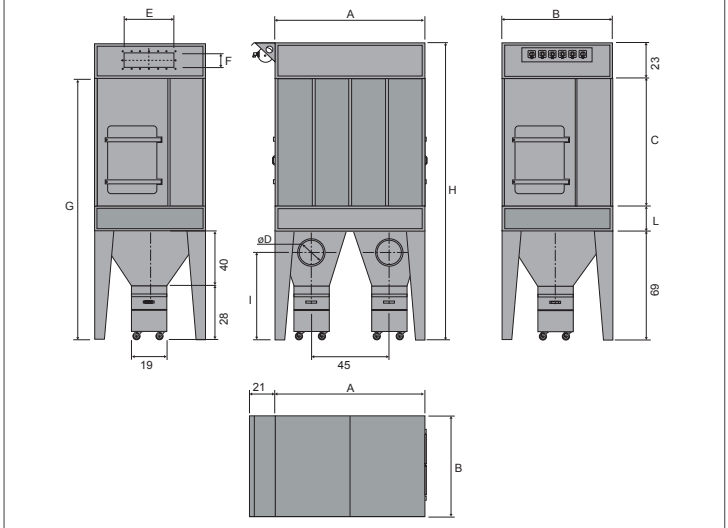
TECHNICAL FEATURES

STANDARD CONFIGURATION

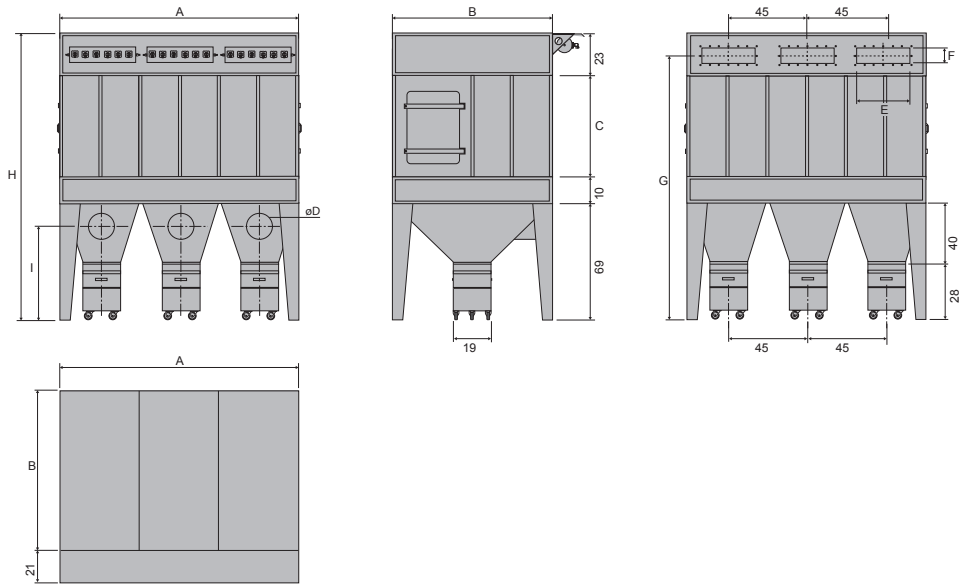




AIRCOM 36 - 48 - 50 - 72



AIRCOM 96



AIRCOM 100 - 108 - 144 - 150 - 200 - 216 - 250 - 288 - 300 - 350 - 360 - 400 - 432 - 504 - 576

AIRCOM

- *Version with bins.*

CORAL Innovative Air Solutions

	DIMENSIONS (inches)												SLEEVES				PNEUMATIC CLEANING		
	Filter							Inlet		Outlet		Max air flow				Filtering surface	N° tanks	Air volume	Valves
	A	B	C	G	H	I	L	N°	ØD	N°	ExF	cfm	Ø	H inches	N°	sq.ft	N° x Ø	gal	N° x Ø
AIRCOM 36 - 1,0	45	45	39	128	143	53	9	1		1		1000		39	36	139	1x Ø6"	5,76	6x 1"
AIRCOM 36 - 1,5	45	45	59	147	162	53	9	1		1		1530		59	36	215	1x Ø6"	5,76	6x 1"
AIRCOM 36 - 2,0	45	45	78	167	182	53	9	1		1		2060		78	36	290	1x Ø6"	5,76	6x 1"
AIRCOM 36 - 2,5	45	45	98	187	202	53	9	1		1		2590		98	36	365	1x Ø6"	5,76	6x 1"
AIRCOM 36 - 3,0	45	45	98	206	221	53	29	1		1		3137		118	36	441	1x Ø6"	5,76	6x 1"
AIRCOM 48 - 1,5	67	45	59	147	162	53	9	1		1		2060		59	48	290	1x Ø6"	5,76	6x 1"
AIRCOM 48 - 2,0	67	45	78	167	182	53	9	1		1		2766		78	48	387	1x Ø6"	5,76	6x 1"
AIRCOM 48 - 2,5	67	45	98	187	202	53	9	1		1		3443		98	48	484	1x Ø6"	5,76	6x 1"
AIRCOM 48 - 3,0	67	45	98	206	221	53	29	1		1		4120		118	48	581	1x Ø6"	5,76	6x 1"
AIRCOM 72 - 1,5	90	45	59	147	162	53	9	1		2		3137		59	72	441	2x Ø6"	5,76	12x 1"
AIRCOM 72 - 2,0	90	45	78	167	182	53	9	1		2		4120		78	72	581	2x Ø6"	5,76	12x 1"
AIRCOM 72 - 2,5	90	45	98	187	202	53	9	1		2		5210		98	72	731	2x Ø6"	5,76	12x 1"
AIRCOM 72 - 3,0	90	45	98	206	221	53	29	1		2		6230		118	72	781	2x Ø6"	5,76	12x 1"
AIRCOM 96 - 1,5	90	67	59	147	162	53	9	2		2		4120		59	96	581	1x Ø8"	15,35	8x 1" ½
AIRCOM 96 - 2,0	90	67	78	167	182	53	9	2		2		5532		78	96	775	1x Ø8"	15,35	8x 1" ½
AIRCOM 96 - 2,5	90	67	98	187	202	53	9	2		2		6915		98	96	968	1x Ø8"	15,35	8x 1" ½
AIRCOM 96 - 3,0	90	67	98	206	221	53	29	2		2		8300		118	96	1173	1x Ø8"	15,35	8x 1" ½
AIRCOM 108 - 1,5	136	45	59	147	162	53	9	3		3		4710		59	108	656	3x Ø6"	5,76	18x 1"
AIRCOM 108 - 2,0	136	45	78	167	182	53	9	3		3		6274		78	108	882	3x Ø6"	5,76	18x 1"
AIRCOM 108 - 2,5	136	45	98	187	202	53	9	3		3		7800		98	108	1097	3x Ø6"	5,76	18x 1"
AIRCOM 108 - 3,0	136	45	98	206	221	53	29	3		3		9340		118	108	1313	3x Ø6"	5,76	18x 1"
AIRCOM 144 - 2,0	90	90	78	167	182	53	9	2		2		8360		78	144	1173	2x Ø8"	10,12	12x 1" ½
AIRCOM 144 - 2,5	90	90	98	187	202	53	9	2		2		10380		98	144	1463	2x Ø8"	10,12	12x 1" ½
AIRCOM 144 - 3,0	90	90	98	206	221	53	29	2		2		12454		118	144	1754	2x Ø8"	10,12	12x 1" ½
AIRCOM 216 - 2,0	136	90	78	167	182	53	9	3		3		12360		78	216	1743	3x Ø8"	10,12	18x 1" ½
AIRCOM 216 - 2,5	136	90	98	187	202	53	9	3		3		15570		98	216	2185	3x Ø8"	10,12	18x 1" ½
AIRCOM 216 - 3,0	136	90	98	206	221	53	29	3		3		18690		118	216	2686	3x Ø8"	10,12	18x 1" ½
AIRCOM 288 - 2,0	181	90	78	167	182	53	9			4		16600		78	288	2335	4x Ø8"	10,12	24x 1" ½
AIRCOM 288 - 2,5	181	90	98	187	202	53	9	4		4		20753		98	288	2917	4x Ø8"	10,12	24x 1" ½
AIRCOM 288 - 3,0	181	90	98	206	221	53	29	4		4		24910		118	288	3509	4x Ø8"	10,12	24x 1" ½
AIRCOM 360 - 2,5	226	90	98	187	202	53	9	5		5		25944		98	360	339	5x Ø8"	10,12	30x 1" ½
AIRCOM 360 - 3,0	226	90	98	206	221	53	29	5		5		31135		118	360	407	5x Ø8"	10,12	30x 1" ½
AIRCOM 432 - 2,5	271	90	98	187	202	53	9	6		6		31224		98	432	408	6x Ø8"	10,12	36x 1" ½
AIRCOM 432 - 3,0	271	90	98	206	221	53	29	6		6		37362		118	432	486	6x Ø8"	10,12	36x 1" ½
AIRCOM 504 - 2,5	317	90	98	187	202	53	9	7		7		36462		98	504	476	7x Ø8"	10,12	42x 1" ½
AIRCOM 504 - 3,0	317	90	98	206	221	53	29	7		7		44702		118	504	567	7x Ø8"	10,12	42x 1" ½
AIRCOM 576 - 2,5	362	90	98	187	202	53	9	8		8		41671		98	576	544	8x Ø8"	10,12	48x 1" ½
AIRCOM 576 - 3,0	362	90	98	206	221	53	29	8		8		49823		118	576	648	8x Ø8"	10,12	48x 1" ½

15 inches

27 x 7 inches

4 inches

REDUCED SLEEVES QUANTITY

	A	B	C	G	H	I	L	N°	ØD	N°	ExF	cfm	Ø	H inches	N°	Sqft	N° x Ø	gal	N° x Ø
AIRCOM 50 - 2,0	2300	1150	2000	4750	4630	1360	250	1		2		2754		78	50	409	2x Ø6"	5,76	10x 1"
AIRCOM 50 - 2,5	2300	1150	2500	5250	5130	1360	250	1		2		3620		98	50	505	2x Ø6"	5,76	10x 1"
AIRCOM 50 - 3,0	2300	1150	2500	5250	5630	1360	750	1		2		4326		118	50	602	2x Ø6"	5,76	10x 1"
AIRCOM 100 - 2,0	2300	2300	2000	4750	4630	1360	250	2		2		5803		78	100	807	2x Ø8"	10,12	10x 1" ½
AIRCOM 100 - 2,5	2300	2300	2500	5250	5130	1360	250	2		2		7210		98	100	1011	2x Ø8"	10,12	10x 1" ½
AIRCOM 100 - 3,0	2300	2300	2500	5250	5630	1360	750	2		2		8830		118	100	1194	2x Ø8"	10,12	10x 1" ½
AIRCOM 150 - 2,0	3450	2300	2000	4750	4630	1360	250	3		3		8710		78	150	1216	3x Ø8"	10,12	15x 1" ½
AIRCOM 150 - 2,5	3450	2300	2500	5250	5130	1360	250	3		3		10830		98	150	1517	3x Ø8"	10,12	15x 1" ½
AIRCOM 150 - 3,0	3450	2300	2500	5250	5630	1360	750	3		3		13243		118	150	1797	3x Ø8"	10,12	15x 1" ½
AIRCOM 200 - 2,0	4600	2300	2000	4750	4630	1360	250	4		4		11606		78	200	1614	4x Ø8"	10,12	20x 1" ½
AIRCOM 200 - 2,5	4600	2300	2500	5250	5130	1360	250	4		4		14420		98	200	2023	4x Ø8"	10,12	20x 1" ½
AIRCOM 200 - 3,0	4600	2300	2500	5250	5630	1360	750	4		4		17660		118	200	2389	4x Ø8"	10,12	20x 1" ½
AIRCOM 250 - 2,5	5750	2300	2500	5250	5130	1360	250	5		5		18010		98	250	2529	5x Ø8"	10,12	25x 1" ½
AIRCOM 250 - 3,0	5750	2300	2500	5250	5630	1360	750	5		5		22071		118	250	3024	5x Ø8"	10,12	25x 1" ½
AIRCOM 300 - 2,5	6900	2300	2500	5250	5130	1360	250	6		6		21451		98	300	3024	6x Ø8"	10,12	30x 1" ½
AIRCOM 300 - 3,0	6900	2300	2500	5250	5630	1360	750	6		6		25900		118	300	3638	6x Ø8"	10,12	30x 1" ½
AIRCOM 350 - 2,5	8050	2300	2500	5250	5130	1360	250	7		7		25191		98	350	3530	7x Ø8"	10,12	35x 1" ½
AIRCOM 350 - 3,0	8050	2300	2500	5250	5630	1360	750	7		7		30270		118	350	4240	7x Ø8"	10,12	35x 1" ½
AIRCOM 400 - 2,5	9200	2300	2500	5250	5130	1360	250	8		8		28900		98	400	4036	8x Ø8"	10,12	40x 1" ½
AIRCOM 400 - 3,0	9200	2300	2500	5250	5630	1360	750	8		8		34580		118	400	4843	8x Ø8"	10,12	40x 1" ½

15 inches

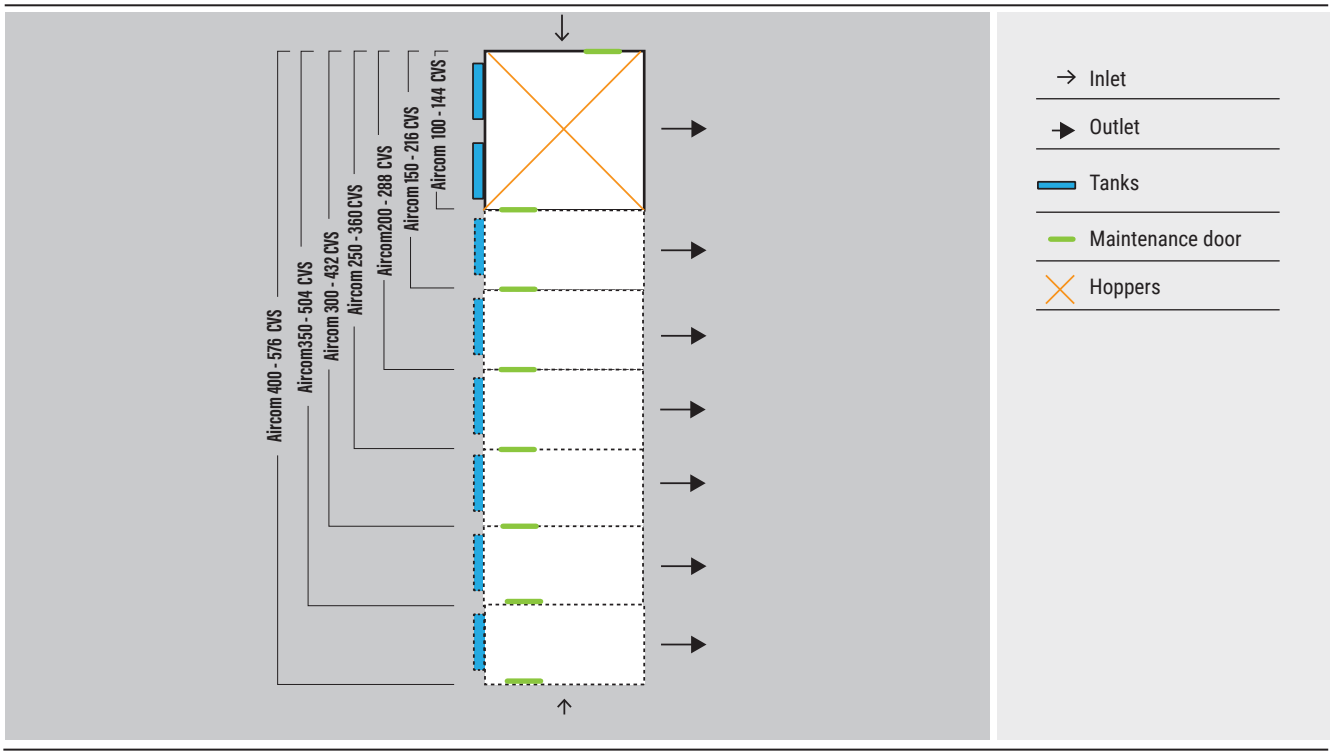
27 x 7 inches

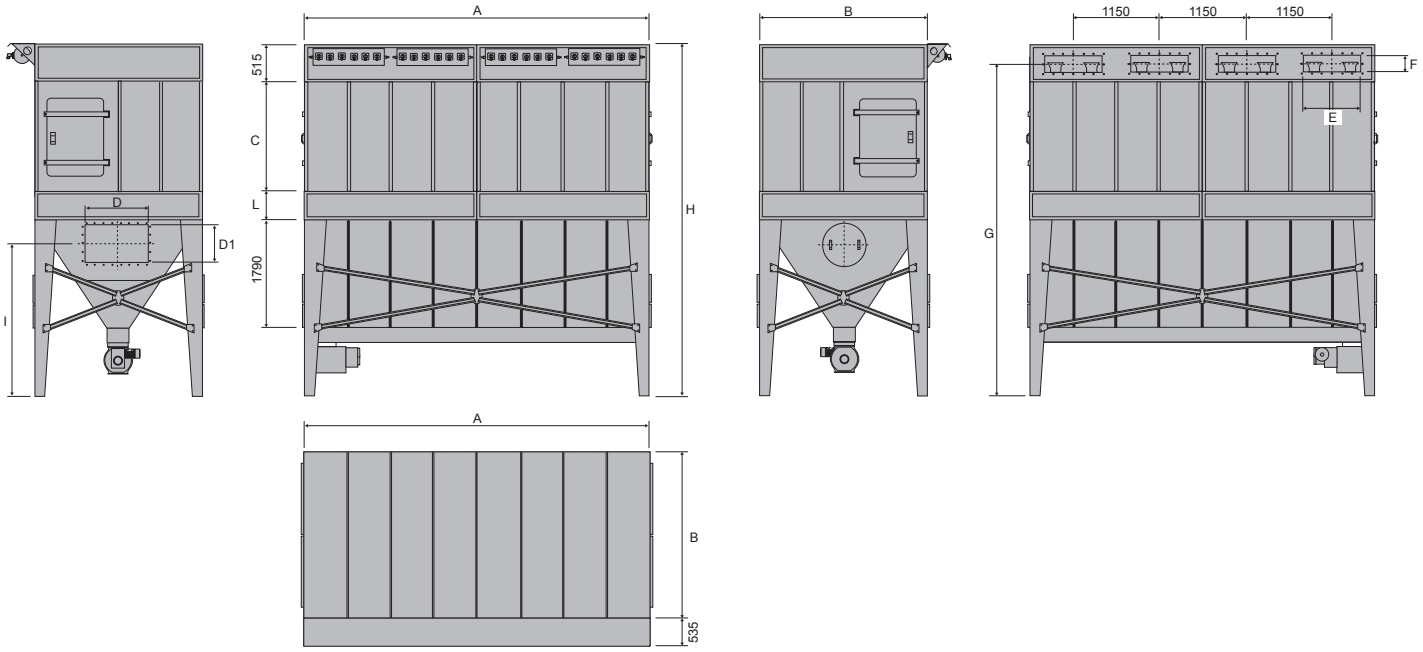
4 inches

AIRCOM CVS

TECHNICAL FEATURES

STANDARD CONFIGURATION





AIRCOM CVS 100 - 144 - 150 - 200 - 216 - 250 - 288 - 300 - 350 - 360 - 400 - 432 - 504 - 576

AIRCOM CVS

- *Version with screw conveyor and rotary valve.*

CORAL Innovative Air Solutions

	DIMENSIONS (inches)												SLEEVES				PNEUMATIC CLEANING		
	Filter							Inlet		Outlet		Max air flow				Filtering surface	N° tanks	Air volume	Valves
	A	B	C	G	H	I	L	N°	DxD1	N°	ExF	cfm	Ø	H	N°	sq.ft	N° x Ø	gal	N° x Ø
AIRCOM 144 - 2,0 CVS	90	90	125	167	226	95	10	1	39 x 31	2	27 x 8	8357	5 inches	78	144	1173	2 x Ø8"	10,12	12x 1" ½
AIRCOM 144 - 2,5 CVS	90	90	145	187	246	95	10	1	39 x 31	2	27 x 8	10376		98	144	1463	2 x Ø8"	10,12	12x 1" ½
AIRCOM 144 - 3,0 CVS	90	90	165	206	265	95	29	1	39 x 31	2	27 x 8	12454		118	144	1754	2 x Ø8"	10,12	12x 1" ½
AIRCOM 216 - 2,0 CVS	135	90	125	167	226	95	10	1	39 x 31	3	27 x 8	12360		78	216	1743	3 x Ø8"	10,12	18x 1" ½
AIRCOM 216 - 2,5 CVS	135	90	145	187	246	95	10	1	39 x 31	3	27 x 8	15567		98	216	2185	3 x Ø8"	10,12	18x 1" ½
AIRCOM 216 - 3,0 CVS	135	90	165	206	265	95	29	1	39 x 31	3	27 x 8	18681		118	216	2626	3 x Ø8"	10,12	18x 1" ½
AIRCOM 288 - 2,5 CVS	181	90	145	187	246	95	10	1	39 x 31	4	27 x 8	20753		98	288	2917	4 x Ø8"	10,12	24x 1" ½
AIRCOM 288 - 3,0 CVS	181	90	165	206	265	95	29	1	39 x 31	4	27 x 8	24910		118	288	3509	4 x Ø8"	10,12	24x 1" ½
AIRCOM 360 - 2,5 CVS	0,13	90	145	187	246	95	10	1	39 x 31	5	27 x 8	25944		98	360	3648	5 x Ø8"	10,12	30x 1" ½
AIRCOM 360 - 3,0 CVS	226	90	165	206	265	95	29	1	39 x 31	5	27 x 8	31135		118	360	4380	5 x Ø8"	10,12	30x 1" ½
AIRCOM 432 - 2,5 CVS	271	90	145	187	246	95	10	1	39 x 31	6	27 x 8	31224		98	432	4391	6 x Ø8"	10,12	36x 1" ½
AIRCOM 432 - 3,0 CVS	271	90	165	206	265	95	29	1	39 x 31	6	27 x 8	37362		118	432	5231	6 x Ø8"	10,12	36x 1" ½
AIRCOM 504 - 2,5 CVS	316	90	145	187	246	95	10	1	39 x 31	7	27 x 8	36462		98	504	5123	7 x Ø8"	10,12	42x 1" ½
AIRCOM 504 - 3,0 CVS	316	90	165	206	265	95	29	1	39 x 31	7	27 x 8	44702		118	504	6103	7 x Ø8"	10,12	42x 1" ½
AIRCOM 576 - 2,5 CVS	362	90	145	187	246	95	10	1	39 x 31	8	27 x 8	41671		98	576	5855	8 x Ø8"	10,12	48x 1" ½
AIRCOM 576 - 3,0 CVS	362	90	165	206	265	95	29	1	39 x 31	8	27 x 8	48823		118	576	6975	8 x Ø8"	10,12	48x 1" ½

REDUCED SLEEVES QUANTITY

	A	B	C	G	H	I	L	N°	DxD1	N°	ExF	cfm	Ø	H	N°	sq.ft	N° x Ø	gal	N° x Ø
AIRCOM 100 - 2,0 CVS	90	90	125	167	226	95	10	1	39 x 31	2	27 x 8	5803	5 inches	78	100	807	2 x Ø8"	10,12	10x 1" ½
AIRCOM 100 - 2,5 CVS	90	90	145	187	246	95	10	1	39 x 31	2	27 x 8	7210		98	100	1011	2 x Ø8"	10,12	10x 1" ½
AIRCOM 100 - 3,0 CVS	90	90	165	206	265	95	29	1	39 x 31	2	27 x 8	8828		118	100	1194	2 x Ø8"	10,12	10x 1" ½
AIRCOM 150 - 2,0 CVS	135	90	125	167	226	95	10	1	39 x 31	3	27 x 8	8710		78	150	1216	3 x Ø8"	10,12	15x 1" ½
AIRCOM 150 - 2,5 CVS	135	90	145	187	246	95	10	1	39 x 31	3	27 x 8	10829		98	150	1517	3 x Ø8"	10,12	15x 1" ½
AIRCOM 150 - 3,0 CVS	135	90	165	206	265	95	29	1	39 x 31	3	27 x 8	13243		118	150	1797	3 x Ø8"	10,12	15x 1" ½
AIRCOM 200 - 2,0 CVS	181	90	125	167	226	95	10	1	39 x 31	4	27 x 8	11606		78	200	1614	4 x Ø8"	10,12	20x 1" ½
AIRCOM 200 - 2,5 CVS	181	90	145	187	246	95	10	1	39 x 31	4	27 x 8	14420		98	200	2023	4 x Ø8"	10,12	20x 1" ½
AIRCOM 200 - 3,0 CVS	181	90	165	206	265	95	29	1	39 x 31	4	27 x 8	17657		118	200	2389	4 x Ø8"	10,12	20x 1" ½
AIRCOM 250 - 2,5 CVS	226	90	145	187	246	95	10	1	39 x 31	5	27 x 8	18010		98	250	2529	5 x Ø8"	10,12	25x 1" ½
AIRCOM 250 - 3,0 CVS	226	90	165	206	265	95	29	1	39 x 31	5	27 x 8	22071		118	250	3024	5 x Ø8"	10,12	25x 1" ½
AIRCOM 300 - 2,5 CVS	271	90	145	187	246	95	10	1	39 x 31	6	27 x 8	21541		98	360	3024	6 x Ø8"	10,12	30x 1" ½
AIRCOM 300 - 3,0 CVS	271	90	165	206	265	95	29	1	39 x 31	6	27 x 8	25897		118	360	3638	6 x Ø8"	10,12	30x 1" ½
AIRCOM 350 - 2,5 CVS	316	90	145	187	246	95	10	1	39 x 31	7	27 x 8	25191		98	360	3530	7 x Ø8"	10,12	35x 1" ½
AIRCOM 350 - 3,0 CVS	316	90	165	206	265	95	29	1	39 x 31	7	27 x 8	30270		118	360	4240	7 x Ø8"	10,12	35x 1" ½
AIRCOM 400 - 2,5 CVS	362	90	145	187	246	95	10	1	39 x 31	8	27 x 8	28899		98	432	4036	8 x Ø8"	10,12	40x 1" ½
AIRCOM 400 - 3,0 CVS	362	90	165	206	265	95	29	1	39 x 31	8	27 x 8	34578		118	432	4843	8 x Ø8"	10,12	40x 1" ½

AIRCOM CC-CVS

DATI TECNICI CARACTERISTIQUES TECNIQUES | TECHNICAL FEATURES | TECHNISCHE DATEN | CARACTERÍSTICAS TÉCNICAS

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STANDARD CONFIGURATION
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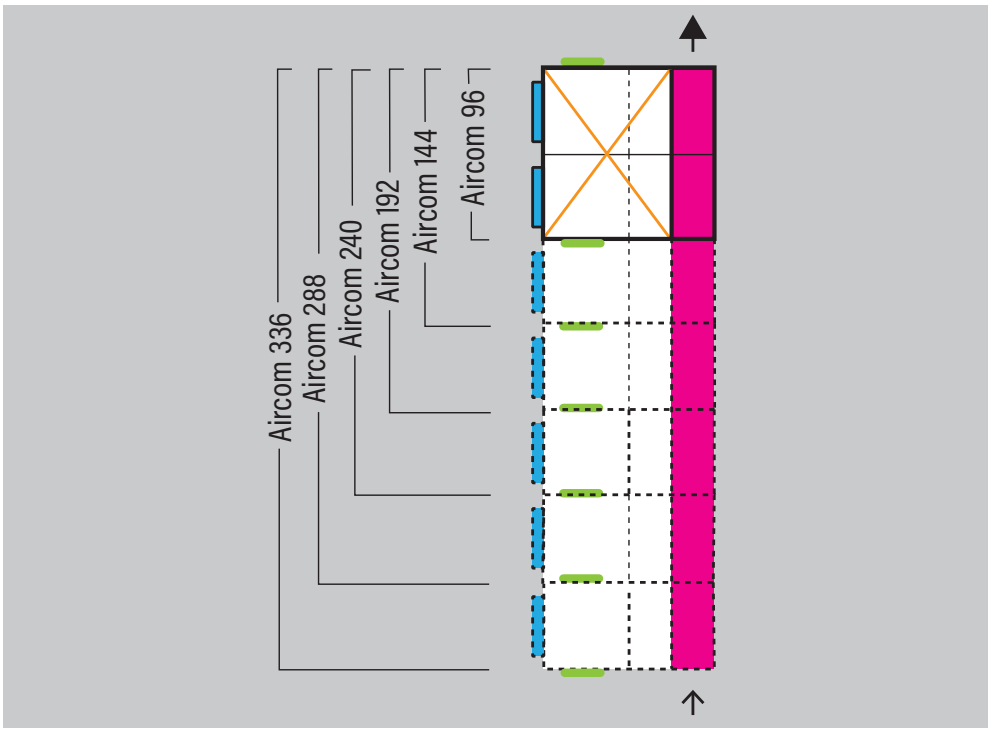

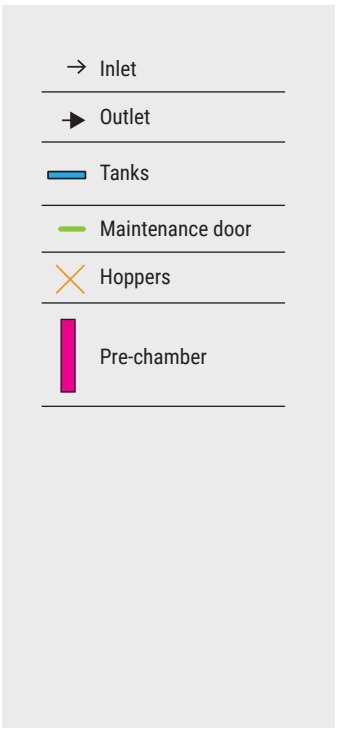

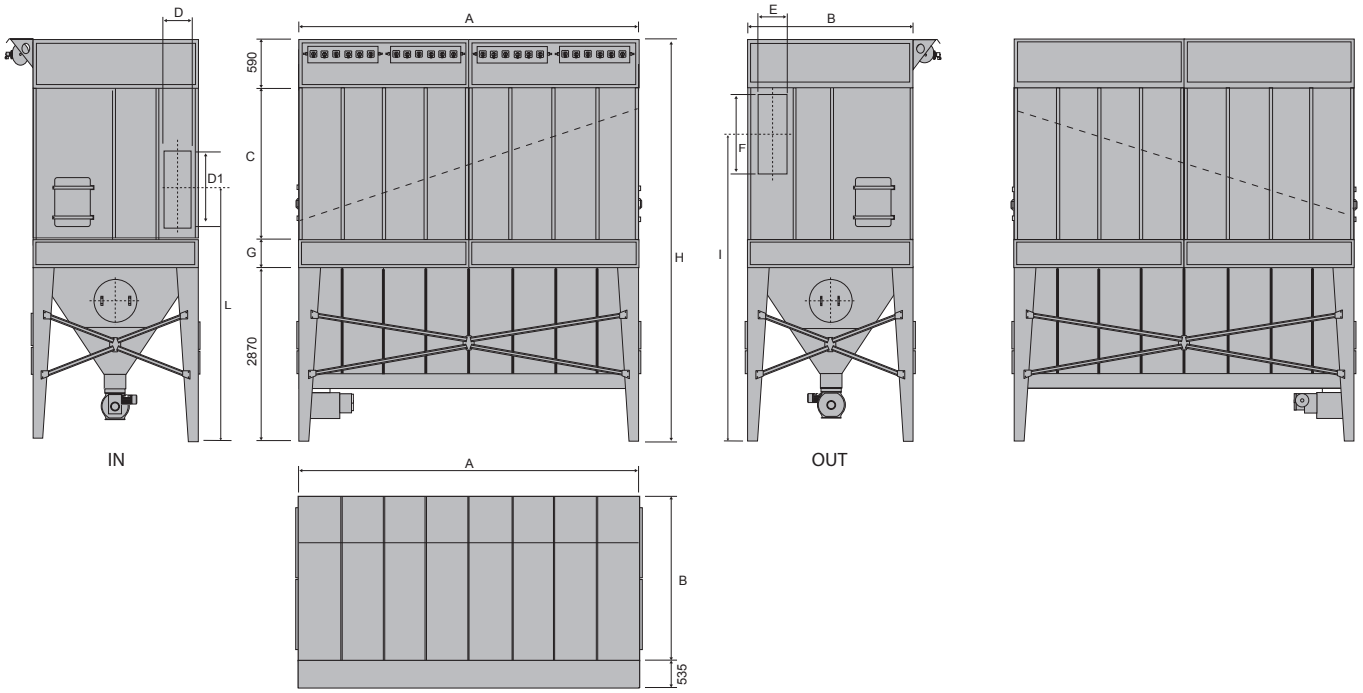

AIRCOM CC CVS 96 - 144 - 192 - 240 - 288 - 336

AIRCOM CC-CVS

- *Version CVS plus setting chamber.*

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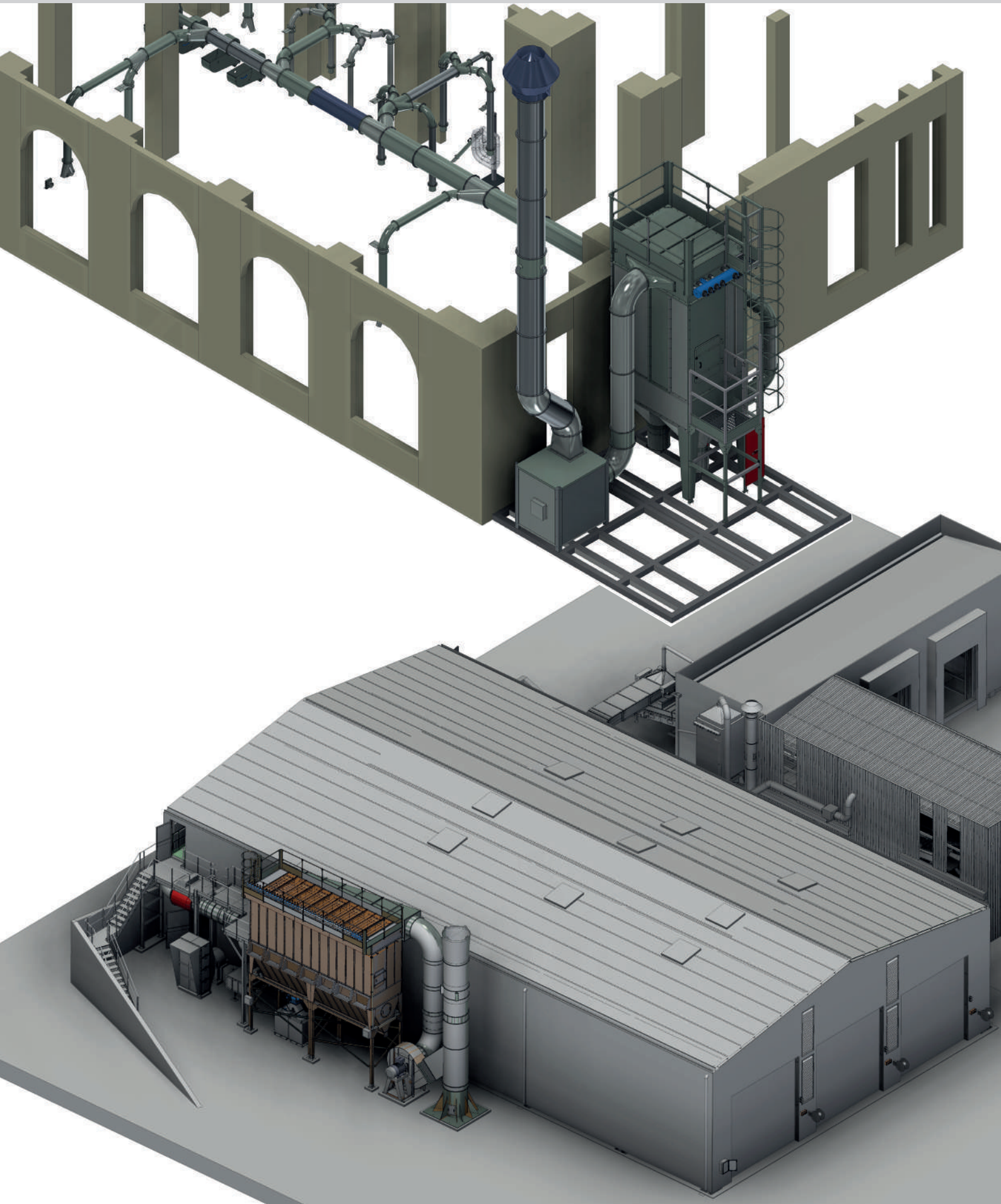
	DIMENSIONS (inches)										
	Filter							Inlet		Outlet	
	A	B	C	G	H	I	L	N°	DxD1	N°	ExF
AIRCOM 96 - 2,0 CC-CVS	90	90	78	10	226	172	152	1	13 x 23	1	13 x 23
AIRCOM 96 - 2,5 CC-CVS	90	90	98	10	246	181	162	1	13 x 23	1	13 x 23
AIRCOM 96 - 3,0 CC-CVS	90	90	98	29	265	201	181	1	13 x 23	1	13 x 23
AIRCOM 144 - 2,0 CC-CVS	135	90	78	10	226	168	152	1	13 x 35	1	13 x 35
AIRCOM 144 - 2,5 CC-CVS	135	90	98	10	246	181	162	1	13 x 35	1	13 x 35
AIRCOM 144 - 3,0 CC-CVS	135	90	98	29	265	201	181	1	13 x 35	1	13 x 35
AIRCOM 192 - 2,0 CC-CVS	181	90	78	10	226	172	148	1	13 x 43	1	13 x 43
AIRCOM 192 - 2,5 CC-CVS	181	90	98	10	246	181	158	1	13 x 43	1	13 x 43
AIRCOM 192 - 3,0 CC-CVS	181	90	98	29	265	201	177	1	13 x 43	1	13 x 43
AIRCOM 240 - 2,0 CC-CVS	226	90	78	10	226	168	156	1	13 x 59	1	13 x 59
AIRCOM 240 - 2,5 CC-CVS	226	90	98	10	246	181	166	1	13 x 59	1	13 x 59
AIRCOM 240 - 3,0 CC-CVS	226	90	98	29	265	201	185	1	13 x 59	1	13 x 59
AIRCOM 288 - 2,0 CC-CVS	271	90	78	10	226	168	156	1	13 x 59	1	13 x 59
AIRCOM 288 - 2,5 CC-CVS	271	90	98	10	246	181	166	1	13 x 59	1	13 x 59
AIRCOM 288 - 3,0 CC-CVS	271	90	98	29	265	201	185	1	13 x 59	1	13 x 59
AIRCOM 336 - 2,5 CC-CVS	316	90	98	10	246	192	187	1	15 x 86	1	15 x 86
AIRCOM 336 - 3,0 CC-CVS	316	90	98	29	265	212	207	1	15 x 86	1	15 x 86

		SLEEVES				PNEUMATIC CLEANING		
	Max air flow				Filtering surface	N° tanks	Air volume	Valves
	cfm	Ø	H inch	N°	sq.ft	N° x Ø	gal	N° x Ø
AIRCOM 96 - 2,0 CC-CVS	6980	5 inches	78	96	796	2x Ø6"	5,76	12x 1"
AIRCOM 96 - 2,5 CC-CVS	8181		98	96	1001	2x Ø6"	5,76	12x 1"
AIRCOM 96 - 3,0 CC-CVS	9164		118	96	1194	2x Ø6"	5,76	12x 1"
AIRCOM 144 - 2,0 CC-CVS	10476		78	144	1194	3x Ø6"	5,76	18x 1"
AIRCOM 144 - 2,5 CC-CVS	12271		98	144	1496	3x Ø6"	5,76	18x 1"
AIRCOM 144 - 3,0 CC-CVS	13749		118	144	1797	3x Ø6"	5,76	18x 1"
AIRCOM 192 - 2,0 CC-CVS	13966		78	192	1593	4x Ø6"	5,76	24x 1"
AIRCOM 192 - 2,5 CC-CVS	16368		98	192	1991	4x Ø6"	5,76	24x 1"
AIRCOM 192 - 3,0 CC-CVS	18328		118	192	2389	4x Ø6"	5,76	24x 1"
AIRCOM 240 - 2,0 CC-CVS	17457		78	240	1991	5x Ø8"	5,76	30x 1"
AIRCOM 240 - 2,5 CC-CVS	20458		98	240	1497	5x Ø8"	5,76	30x 1"
AIRCOM 240 - 3,0 CC-CVS	22913		118	240	2992	5x Ø8"	5,76	30x 1"
AIRCOM 288 - 2,0 CC-CVS	20953		78	288	2389	6x Ø6"	5,76	36x 1"
AIRCOM 288 - 2,5 CC-CVS	24547		98	288	2992	6x Ø6"	5,76	36x 1"
AIRCOM 288 -3,0 CC-CVS	31430		118	288	3595	6x Ø6"	5,76	36x 1"
AIRCOM 336 - 2,5	28640		98	576	3498	7x Ø8"	5,76	42x 1"
AIRCOM 336 - 3,0	32018		118	576	4176	7x Ø8"	5,76	42x 1"

INSTALLATION EXAMPLES



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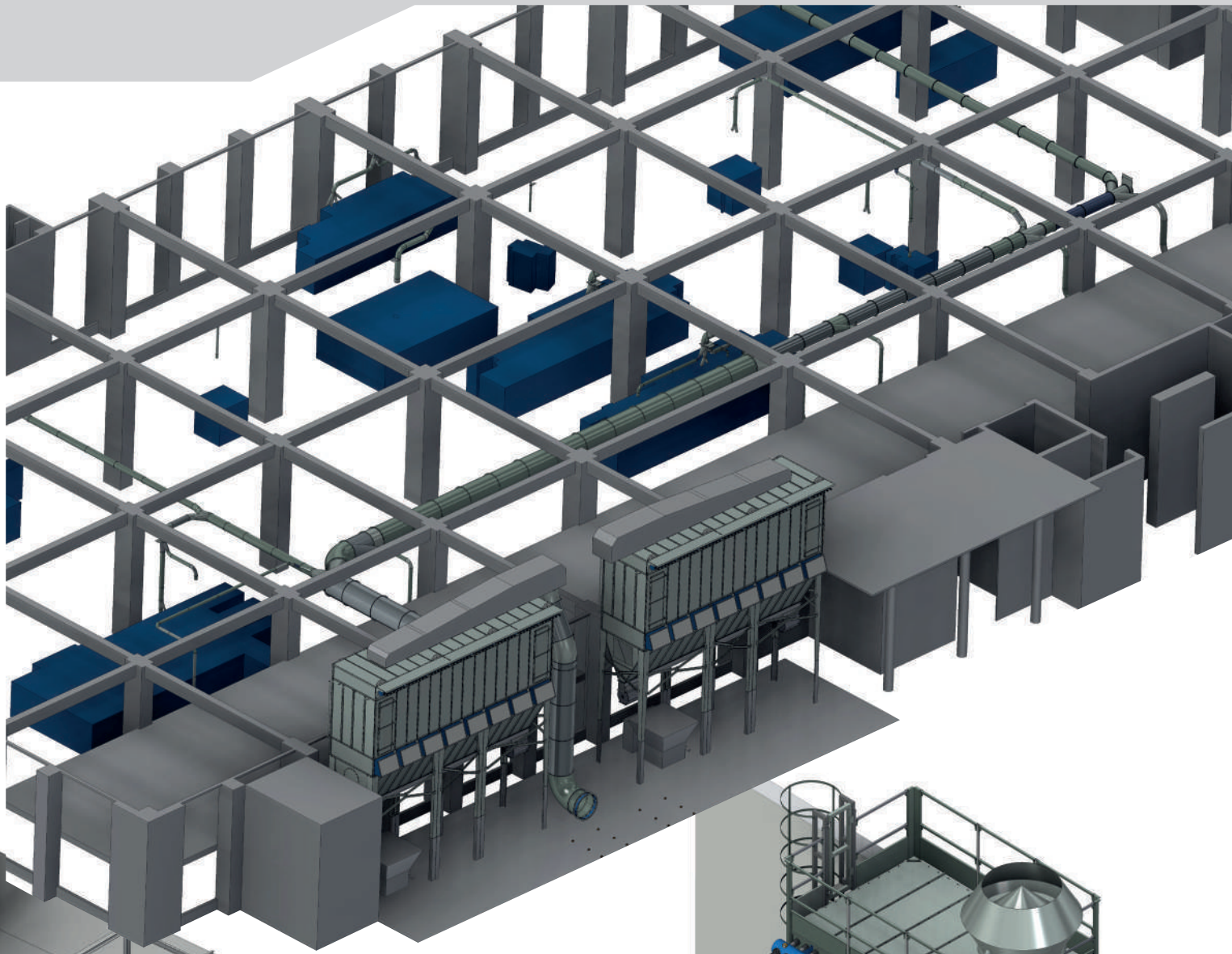

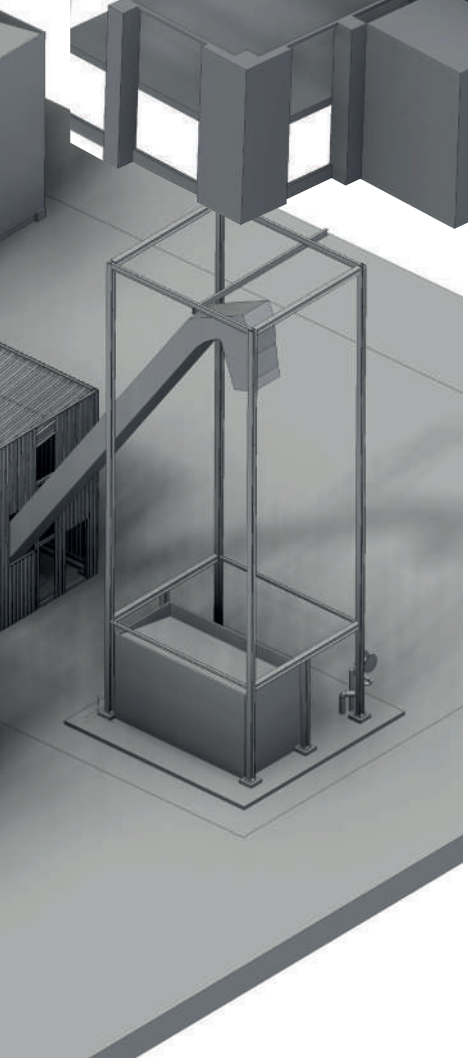

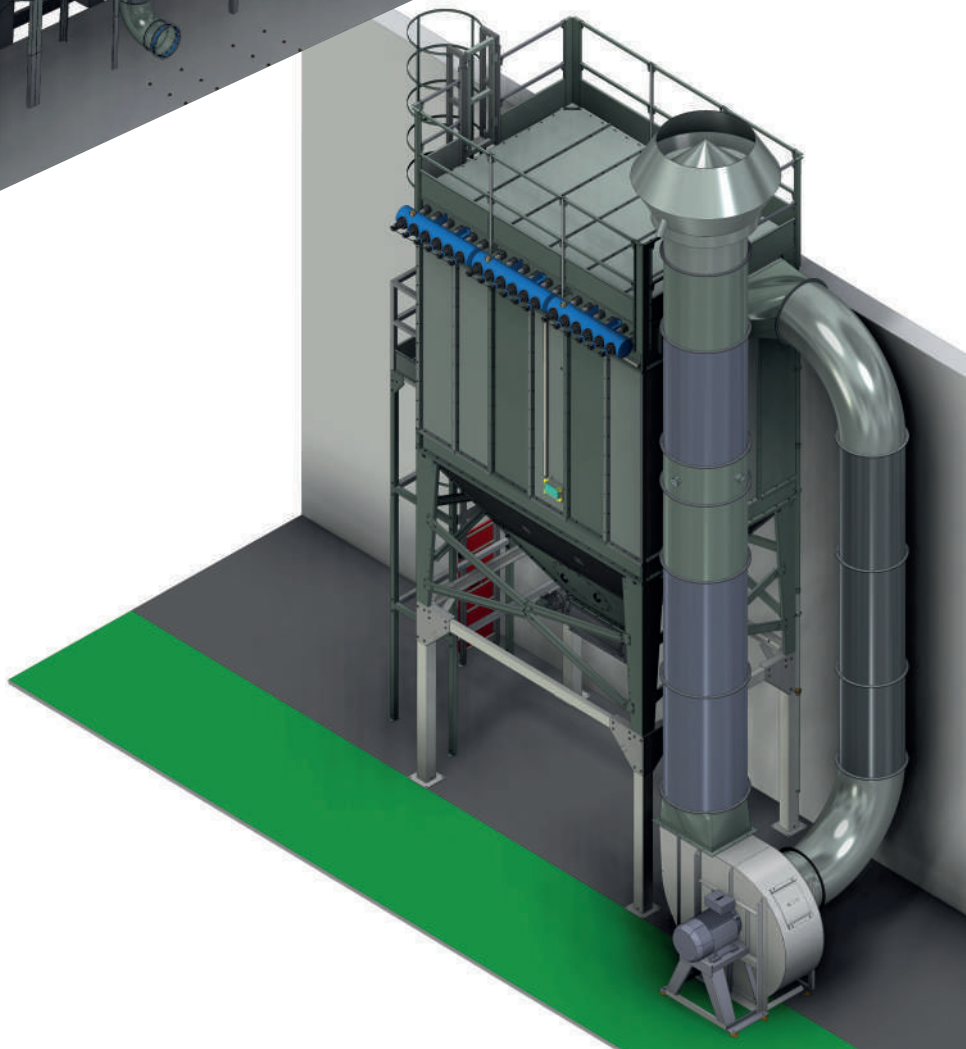

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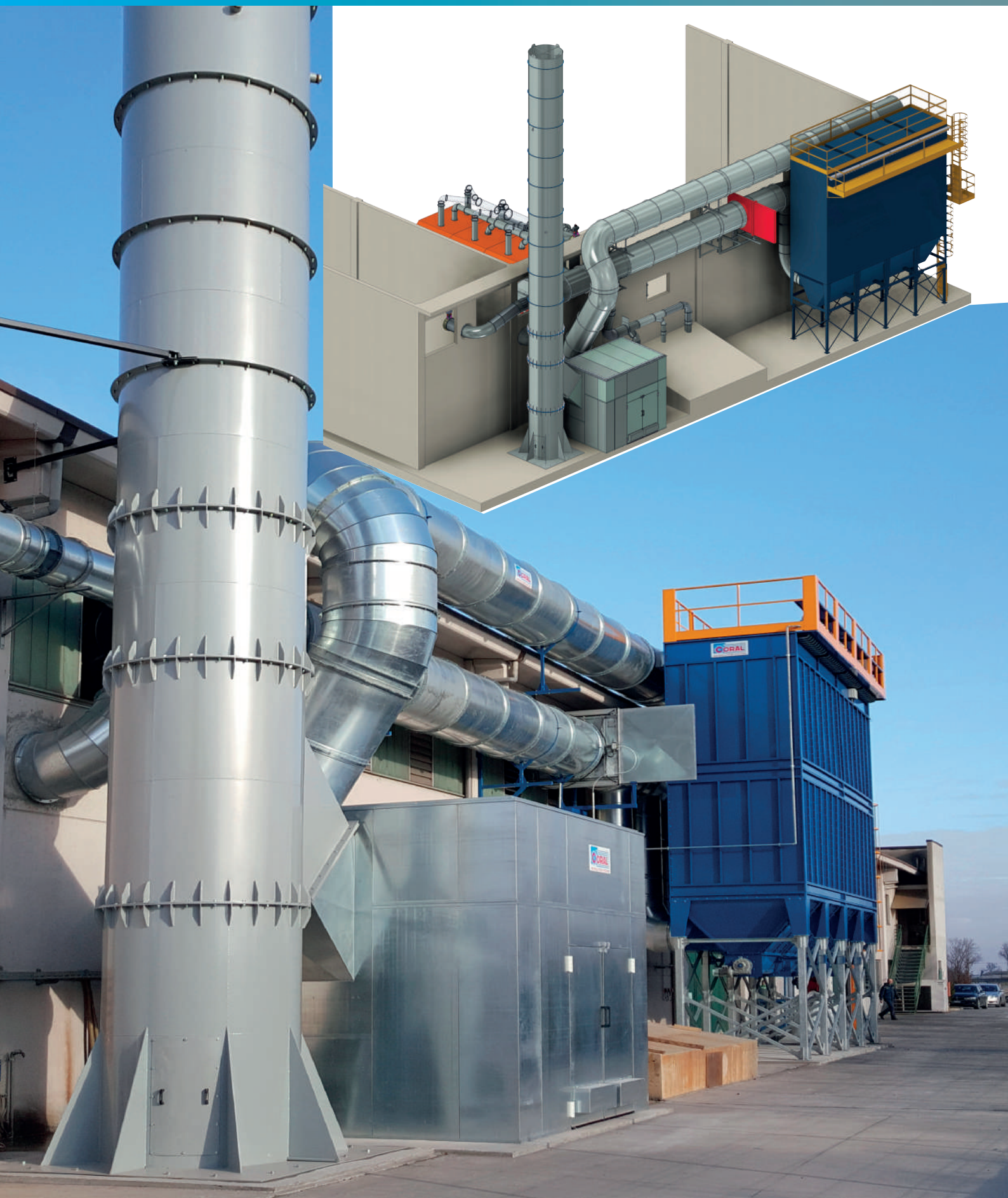

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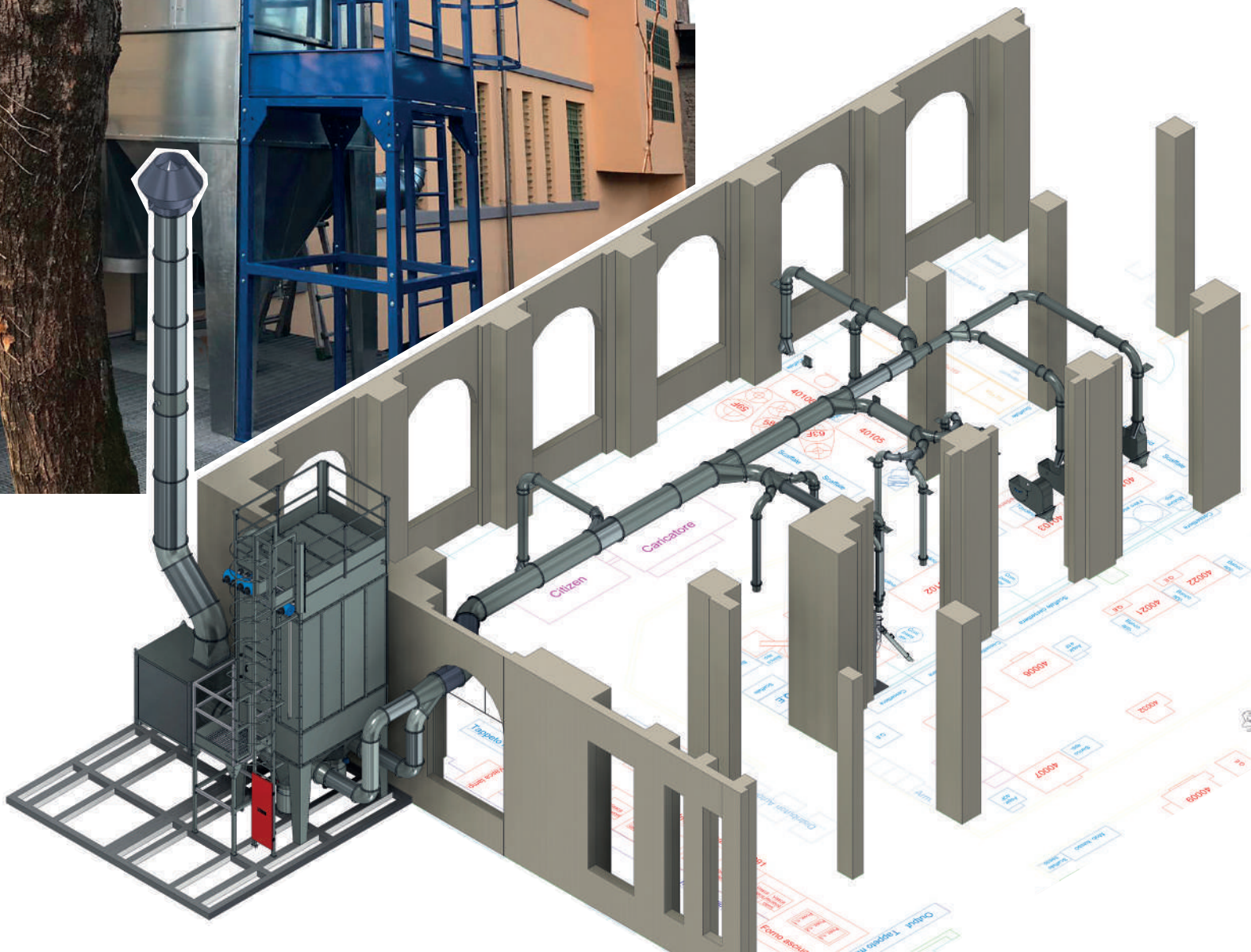

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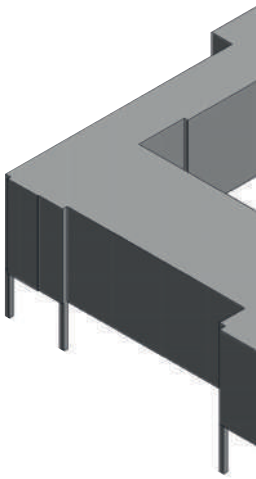

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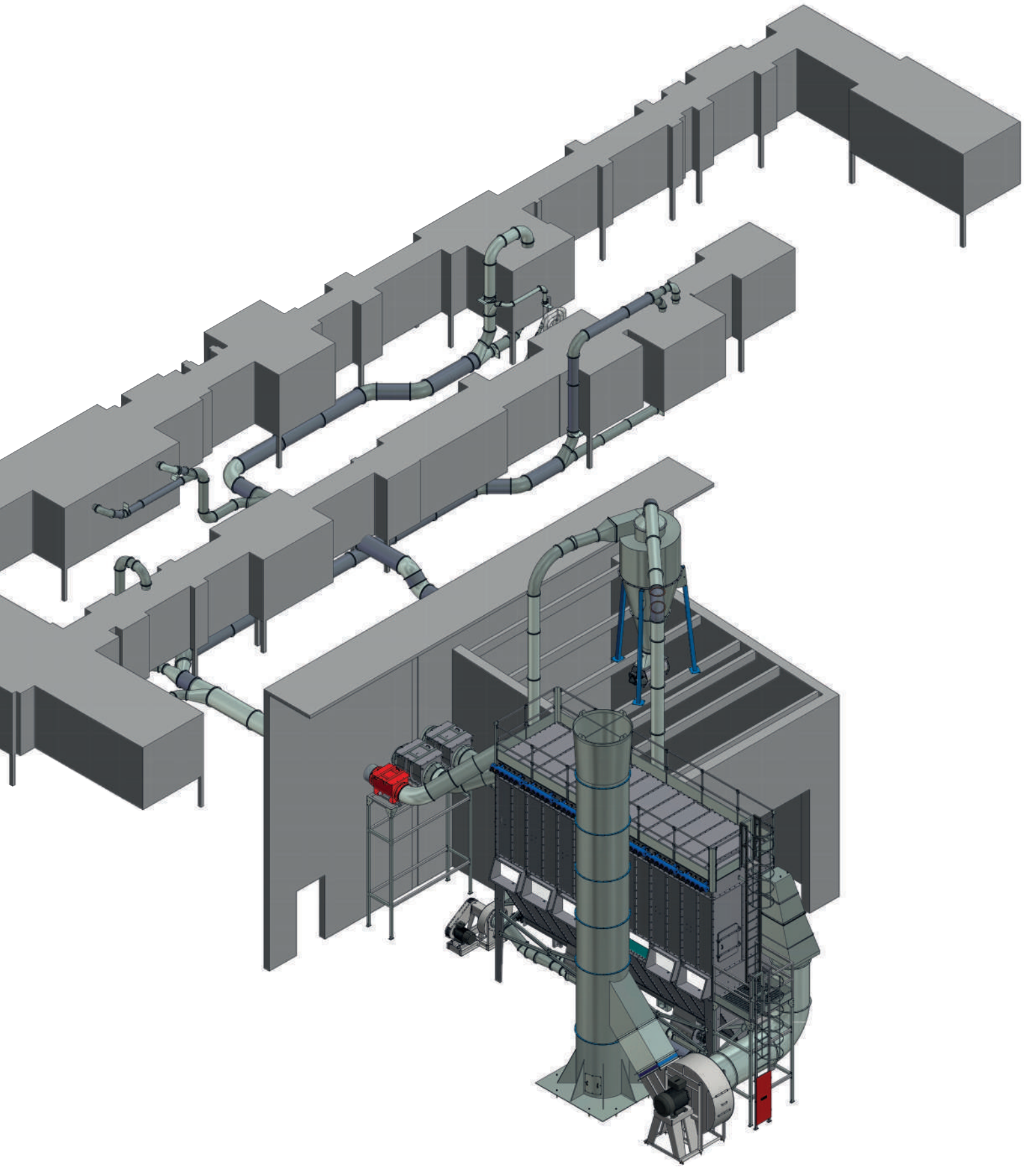

Innovative Air Solutions

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WELDING | GRINDING | DEBURRING | POLISHING | SANDING | THERMAL CUTTING | DRY DUST | HAZARDOUS DUST | SANDBLASTING | POWDER COATING

AIRALT / AIRALT M

Dust & Fume collector with fully automatic reverse pulse cleaning

Overview

The Coral AIRALT is a high efficiency dust collection system that is used in many industrial, chemical, and pharmaceutical applications.

Working Principle

The contaminated air enters into the bottom of the dust collector hopper where a significant decrease in velocity occurs causing the larger solids to drop into the collection hooper.

The air then continues to flow up into the filter chamber where the finer or lighter solids are removed by either large surface area filter cartridges (AIRALT) or filtering sleeves (AIRALT/M). As the contaminated air flows through the filter cartridges (AIRALT) or the filter sleeves (AIRALT/M) from the outside to the inside, the dust is collected on the outside. The clean air is then discharged.

Reverse pulse cleaning

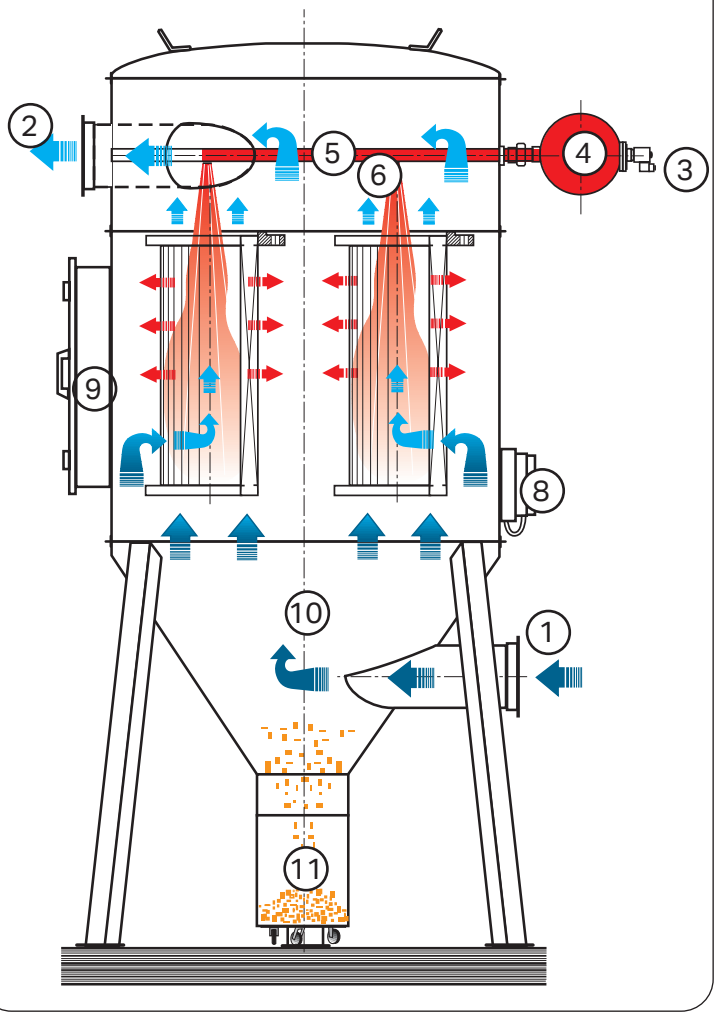
As dust is removed and gradually accumulates on the filter cartridges or sleeves, our Coral automated cleaning system senses that the filter cartridges are becoming clogged and initiates a jet cleaning system. The jet cleaning system uses a blast of compressed air which creates a shock wave and causes the collected solids to fall off the filter cartridges down into a lower collection bin.

Cleaning cycles can be controlled by a timer and solenoid valves or by a PLC with a differential pressure sensor which monitors the pressure loss through the filter cartridges or sleeves and back pulses on demand. The filter cartridges or filter sleeves are always kept at peak efficiency by the cleaning cycles. After an initial period of operation, the filter cartridges reach a constant pressure drops and will continue operating efficiently for long periods of time.

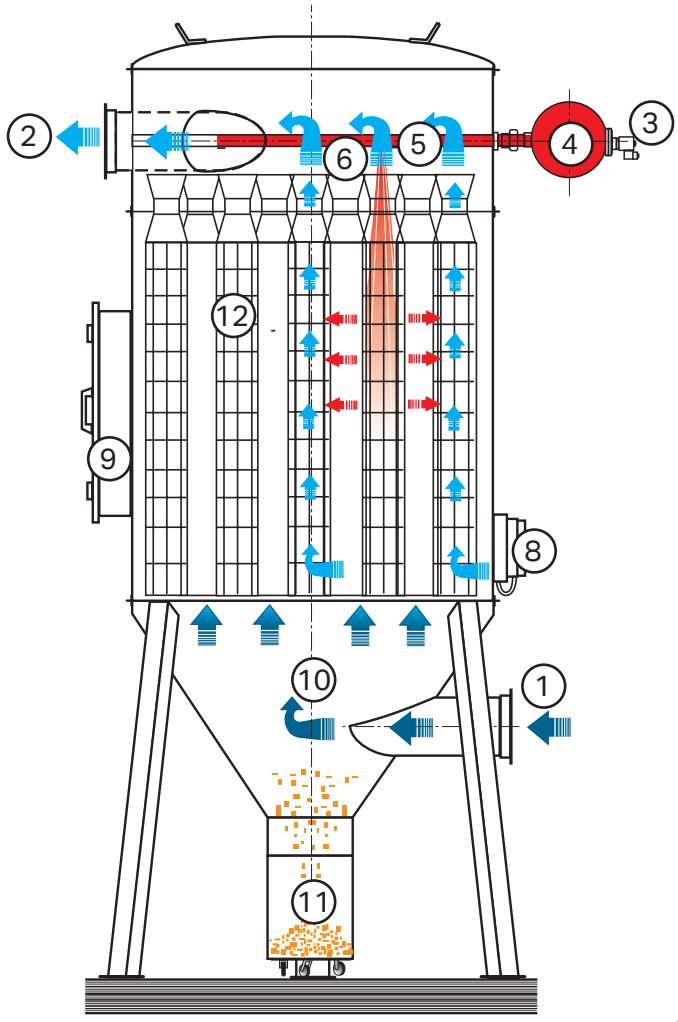
AIRALT

OPERATING PRINCIPLE

AIRALT



AIRALT/M



LEGEND

- Inlet for air to be treated
- Pollutant
- Clean air outlet
- Reverse pulse compressed air

1 Polluted air inlet
2 Filtered air outlet
3 Electrovalve
4 Compressed air tank
5 Distribution pipe
6 Nozzles
7 Filtering cartridge
8 Cyclic programmer
9 Maintenance door
10 Hopper
11 Collection bin (up to Ø2000mm)
12 Filtering sleeves

CORAL
Innovative Air Solutions

AIRALT

2 FILTERING CARTRIDGE

STANDARD
M PES
polyester

OPTIONALS
M PES/TF
polyester/PTFE coating
M PES+ PTFE/membrane
polyester/teflon membrane
M-PES/AX/EXAM ACCREDITED
polyester/aluminum coated/antistatic
M-PES+PTFE/Membrane-H
Fabric with H13 filtration efficiency

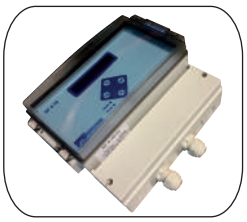
⚠ • Cartridge model choice could affect various parameters.

4

***MEMBRANE ELECTRO VALVE**: two way valve normally closed; it is activated by an electric solenoid. It holds air pressure of max.7 bar.*
The compressed air tank operates at 4 to 7 bar.

	AIRALT 19-24	AIRALT 33-149	AIRALT 206-675	AIRALT/M
SOLENOID VALVE MODEL	VPN 508 24/50	VPN 514 24/50	VPN 516 24/50	VPN 508 24/50
GAS FITTINGS (IN)	1	1 ½	2	1
PRESSURE (P.S.I.)	Min. 0,5 — 5 Recommended — Max 7			
MAX FLUID TEMPERATURE (°F)	80	80	80	80
VOLTAGE (V)	24 AC	24 AC	24 AC	24 AC
FREQUENCY (HZ)	60	60	60	60
POWER ABSORBED (V)	19 AC 15 DC	19 AC 15 DC	19 AC 15 DC	19 AC 15 DC
PROTECTION RATING	IP 65	IP 65	IP 65	IP 65

6



ENERGY SAVING

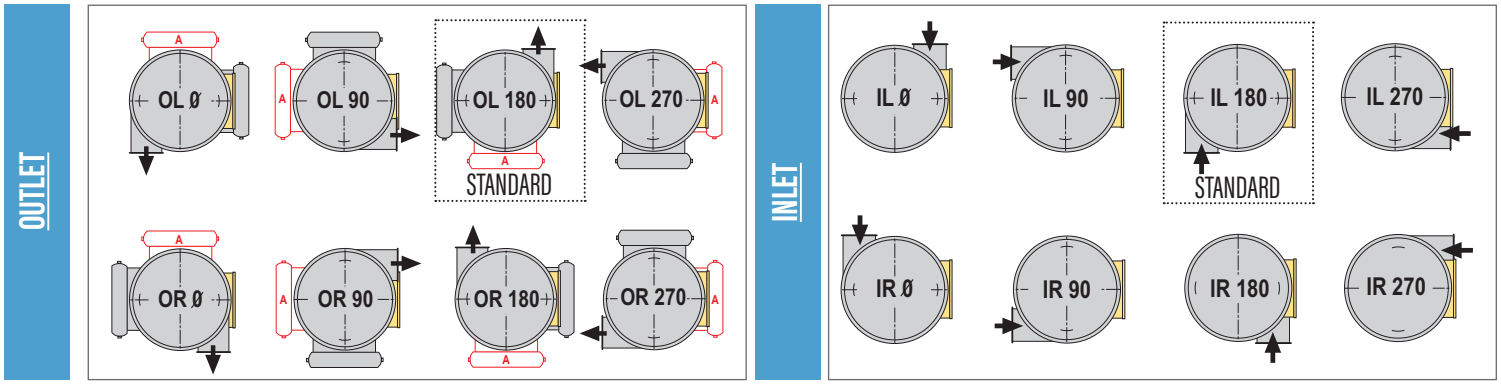
***CYCLIC PROGRAMMER (PLC):** a sealed container is used with a transparent lid, duration of injection and pause phases are preset but easily changeable.*

IN/OUT VOLTAGE	230 V / 24VAC
MAXIMUM CHARGING POWER	20VA pulse
TEMPERATURE RANGE	-15°C ÷ +50°C
DISPLAY	5 LEDs h 13mm
PROTECTION RATING	IP65
DP CONTROL	Internal transducer 0÷10 kPa
DIMENSIONS	235 x 190 x 120 mm
TERMINAL BOARD	2.5 mm² 250VAC

AIRALT

TECHNICAL FEATURES

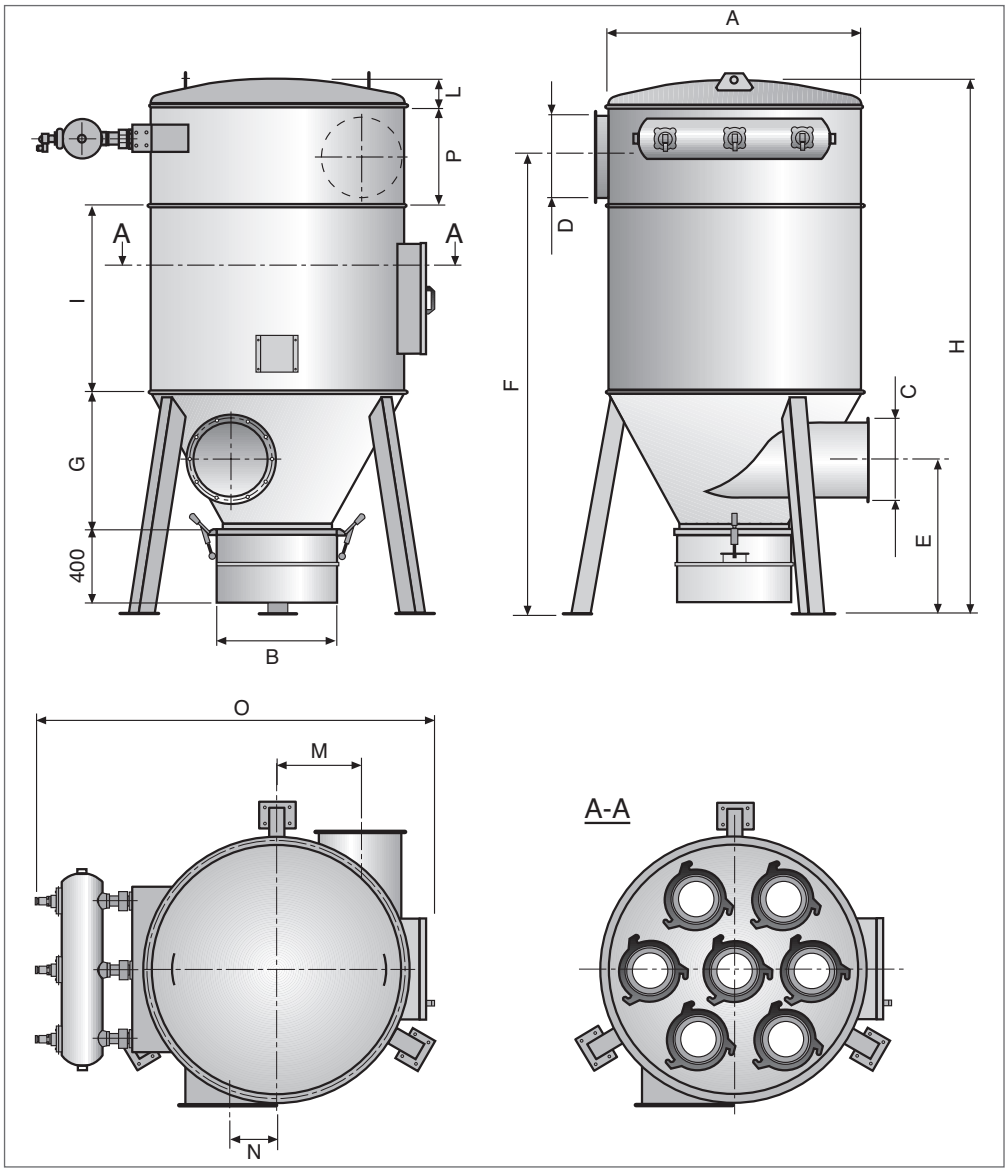
OUTLET (OUTLET) AND IONLET (INLET) SIDE refering to maintenance door position

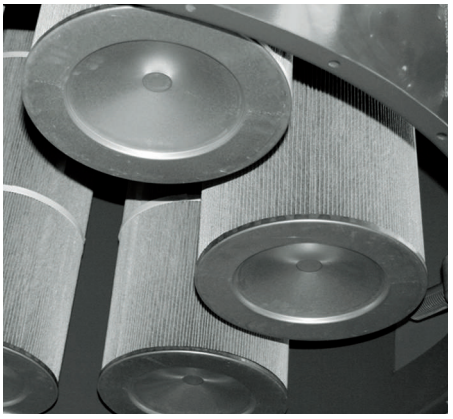


A = OPTIONAL tank position (on request)

= Inspection port

AIRALT 19-24-33-40-51-64-81-101-122-149-206-248

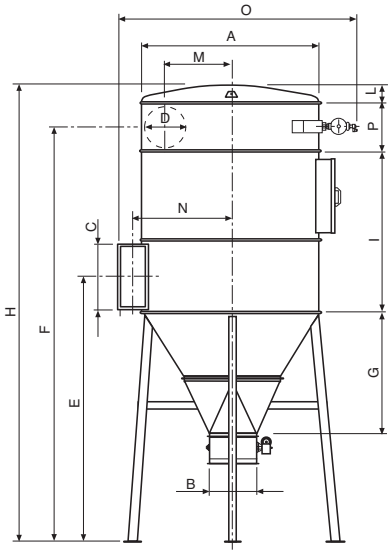




IFA/BGIA L-PES standard polyester cartridge

AIRALT 360-555-675

Models over 78" diameter



	DIMENSIONS (inches)													
	Ø A	Ø B	Ø C	Ø D	E	F	G	H	I	L	M	N	O	P
AIRALT 19	23	9	5	5	24	68	16	81	28	5	8	3	48	15
AIRALT 24	23	9	5	5	24	79	16	93	40	5	8	3	48	15
AIRALT 33	39	16	11	11	29	90	23	106	40	4	13	6	68	20
AIRALT 40	39	16	11	11	29	90	23	106	40	4	13	6	68	20
AIRALT 51	39	16	11	11	29	90	23	106	40	4	13	6	68	20
AIRALT 64	39	16	11	11	29	90	23	106	40	4	13	6	68	20
AIRALT 81	49	24	13	13	36	99	32	114	40	6	17	11	79	20
AIRALT 101	49	24	13	13	36	99	32	114	40	6	17	11	79	20
AIRALT 122	55	24	17	17	33	97	30	114	40	6	18	9	87	20
AIRALT 149	62	24	17	17	37	99	32	115	40	6	22	13	96	20
AIRALT 206	78	24	21	21	50	124	53	146	40	8	28	16	114	27
AIRALT 248	78	24	21	21	50	124	53	146	40	8	28	16	114	27
AIRALT 360	118	11 x 31	41 x 18	26	175	273	82	316	106	26	43	64	150	31
AIRALT 555	137	11 x 31	41 x 18	29	188	288	95	337	106	30	51	73	169	35
AIRALT 675	157	11 x 31	51 x 26	35	204	316	112	372	118	32	61	86	202	47

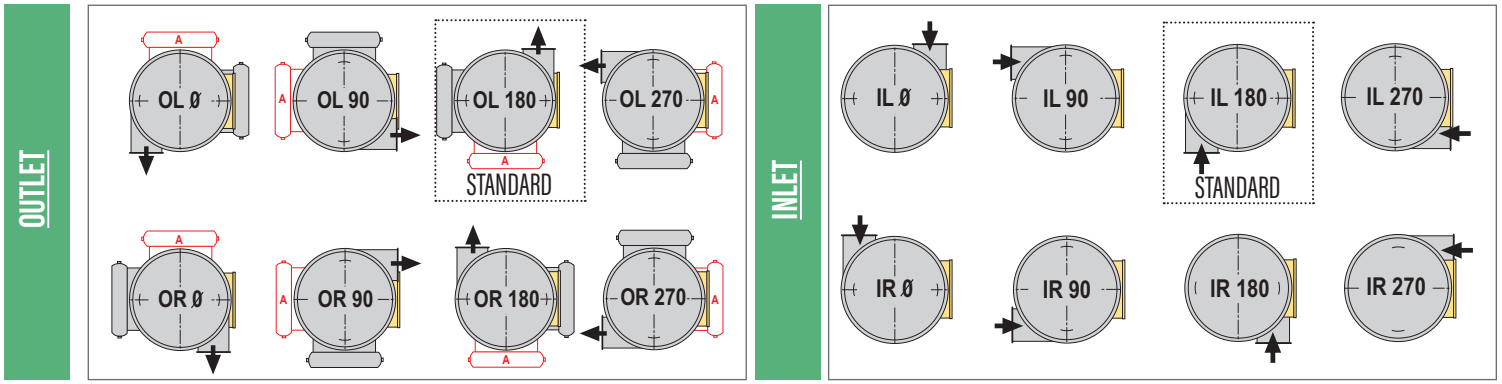
	Dust holding capacity	Filtering surface	Max flow rate (indicative)	Max operating pressure	Valve N°	Air tank volume	* Air volume per valve	Cartridges (N°-Ø-H-pleats)
	ft^3	sq.ft	cfm	psi		in^3	in^3	cfm
AIRALT 19	0.6	204	800	100	3x1"	790	5300	7-Ø5-27-2
AIRALT 24	0.6	258	1175	100	3x1"	790	5300	7-Ø5-39-2
AIRALT 33	1.94	355	1470	100	2x1"1/2	1342	13240	4-Ø12-27-5
AIRALT 40	1.94	430	1880	100	2x1"1/2	1342	13240	4-Ø12-27-6
AIRALT 51	1.94	549	2350	100	2x1"1/2	1342	13240	4-Ø12-39-5
AIRALT 64	1.94	688	2940	100	2x1"1/2	1342	13240	4-Ø12-39-6
AIRALT 81	4.41	870	3820	100	3x1"1/2	2074	13240	6-Ø12-39-5
AIRALT 101	4.41	1086	4700	100	3x1"1/2	2074	13240	6-Ø12-39-6
AIRALT 122	4.41	1313	2288	100	3x1"1/2	2074	13240	7-Ø12-39-6
AIRALT 149	4.41	1604	6765	100	3x1"1/2	2074	13240	9-Ø12-39-6
AIRALT 206	4.41	2218	9705	100	5x2"	5614	21175	16-Ø12-39-5
AIRALT 248	4.41	2670	11765	100	5x2"	5614	21175	16-Ø12-39-6
AIRALT 360	-	3865	16470	100	6x2"	7078	21175	24-Ø12-39-6
AIRALT 555	-	5970	16470	100	6x2"	7078	21175	37-Ø12-39-6
AIRALT 675	-	7265	16470	100	6x2"	7078	21175	45-Ø12-39-6

* With valve open 0,2 seconds, tank pressure 5 bar

AIRALT/M

TECHNICAL FEATURES

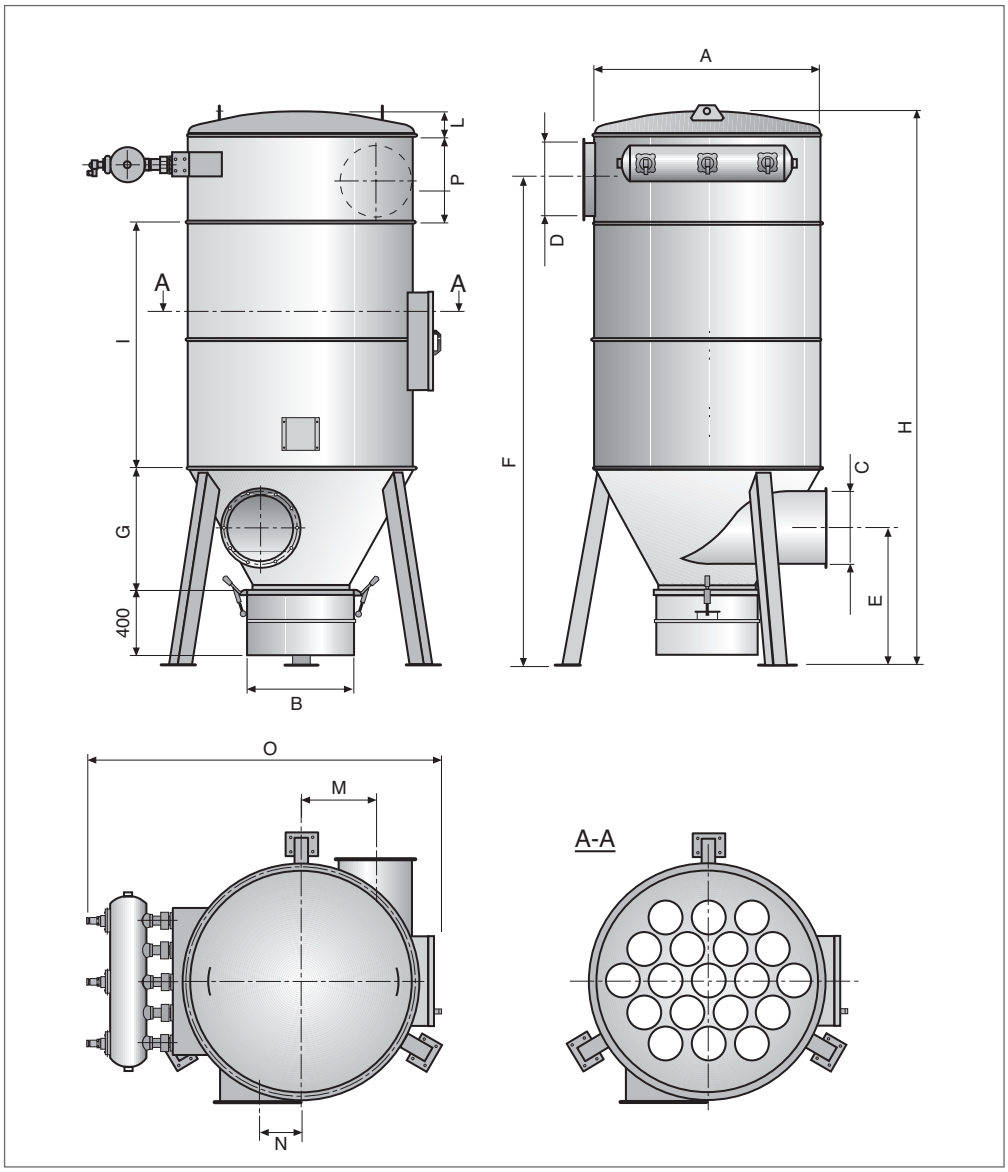
OUTLET (OUTLET) AND IONLET (INLET) SIDE refering to maintenance door position

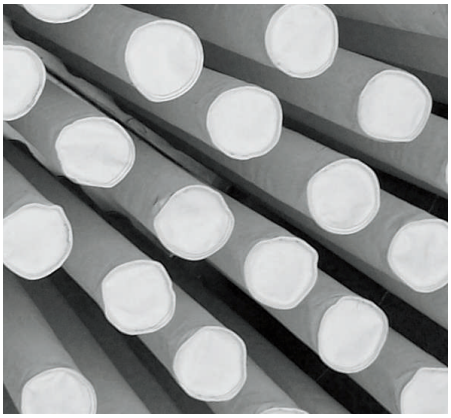


A = OPTIONAL tank position (on request)

= Inspection port

AIRALT/M 11-14-18-26-33-40-41-51-61-69-87-104

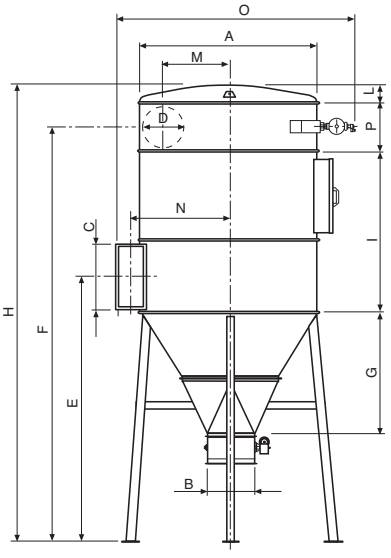




IFA/BGIA L-PES standard polyester sleeves

AIRALT/M 121-151-181-206-247-292-350

Models over 78" diameter



	DIMENSIONS (inches)													
	ØA	ØB	ØC	ØD	E	F	G	H	I	L	M	N	O	P
AIRALT/M 11/1.5	39	16	11	11	29	109	23	125	59	4	13	6	63	20
AIRALT/M 14/2.0	39	16	11	11	29	129	23	144	78	4	13	6	63	20
AIRALT/M 18/2.5	39	16	11	11	29	149	23	164	98	4	13	6	63	20
AIRALT/M 26/2.0	49	24	13	13	36	139	32	154	78	5	17	11	74	20
AIRALT/M 33/2.5	49	24	13	13	36	159	32	174	98	5	17	11	74	20
AIRALT/M 32/2.0	55	24	17	17	33	136	30	152	78	6	18	9	80	20
AIRALT/M 40/2,5	55	24	17	17	33	155	30	172	98	6	18	9	80	20
AIRALT/M 41/2.0	62	24	17	17	37	137	32	153	78	6	22	13	89	20
AIRALT/M 51/2.5	62	24	17	17	37	157	32	173	98	6	22	13	89	20
AIRALT/M 61/3.0	62	24	17	17	37	177	32	193	118	6	22	13	89	20
AIRALT/M 69/2.0	78	24	21	21	50	163	53	184	78	7	28	16	106	27
AIRALT/M 87/2.5	78	24	21	21	50	183	53	204	98	7	28	16	106	27
AIRALT/M 104/3.0	78	24	21	21	50	202	53	224	118	7	28	16	106	27
AIRALT/M 121/2.0	118	11 x 31	41 x 18	26	175	332	82	375	165	26	43	64	150	31
AIRALT/M 151/2.5	118	11 x 31	41 x 18	26	175	332	82	375	165	26	43	64	150	31
AIRALT/M 181/3.0	118	11 x 31	41 x 18	26	175	332	82	375	165	26	43	64	150	31
AIRALT/M 206/2.5	137	11 x 31	41 x 18	29	188	348	95	396	165	30	51	73	169	35
AIRALT/M 247/3.0	137	11 x 31	41 x 18	29	188	348	95	396	165	30	51	73	169	35
AIRALT/M 292/2.5	157	11 x 31	51 x 26	35	204	375	113	431	177	32	61	86	202	47
AIRALT/M 350/3.0	157	11 x 31	51 x 26	35	204	375	113	431	177	32	61	86	202	47

	Dust holding capacity	Filtering surface	Max flow rate (indicative)	Max operating pressure	Valve N°	Air tank volume	* Air volume per valve	Cartridges (N°-Ø- H)
	ft^3	sq.ft	cfm	psi		in^3	in^3	cfm
AIRALT/M 11/1.5	1.94	118	880	100	5x1"	1013	5300	19-Ø4-59
AIRALT/M 14/2.0	1.94	150	1100	100	5x1"	1013	5300	19-Ø4-78
AIRALT/M 18/2.5	1.94	194	1500	100	5x1"	1013	5300	19-Ø4-98
AIRALT/M 26/2.0	4.41	280	2000	100	7x1"	1350	5300	35-Ø4-78
AIRALT/M 33/2.5	4.41	355	2600	100	7x1"	1350	5300	35-Ø4-98
AIRALT/M 32/2.0	4.41	344	2500	100	7x1"	1350	5300	42-Ø4-78
AIRALT/M 40/2,5	4.41	430	3200	100	7x1"	1350	5300	42-Ø4-98
AIRALT/M 41/2.0	4.41	441	3200	100	9x1"	1685	5300	54-Ø4-78
AIRALT/M 51/2.5	4.41	549	3900	100	9x1"	1685	5300	54-Ø4-98
AIRALT/M 61/3.0	4.41	657	4700	100	9x1"	1685	5300	54-Ø4-118
AIRALT/M 69/2.0	4.41	743	5300	100	13x1"	2355	5300	92-Ø4-78
AIRALT/M 87/2.5	4.41	936	6650	100	13x1"	2355	5300	92-Ø4-98
AIRALT/M 104/3.0	4.41	1120	8000	100	13x1"	2355	5300	92-Ø4-118
AIRALT/M 121/2.0	-	1300	9200	100	19x1"	3393	5300	156-Ø4-78
AIRALT/M 151/2.5	-	1625	11500	100	19x1"	3393	5300	156-Ø4-98
AIRALT/M 181/3.0	-	1948	13800	100	19x1"	3393	5300	156-Ø4-118
AIRALT/M 206/2.5	-	2217	15700	100	21x1"	3660	5300	213-Ø4-98
AIRALT/M 247/3.0	-	2648	18800	100	21x1"	3660	5300	213-Ø4-118
AIRALT/M 292/2.5	-	3132	22200	100	27x1"	4700	5300	252-Ø4-98
AIRALT/M 350/3.0	-	3767	26800	100	27x1"	4700	5300	252-Ø4-118

* With valve open 0,2 seconds, tank pressure 5 bar

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TECNODRY

Dry painting booths

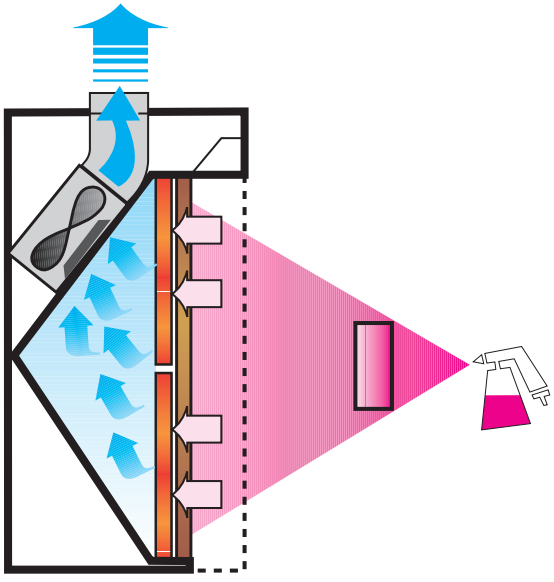
OVERVIEW

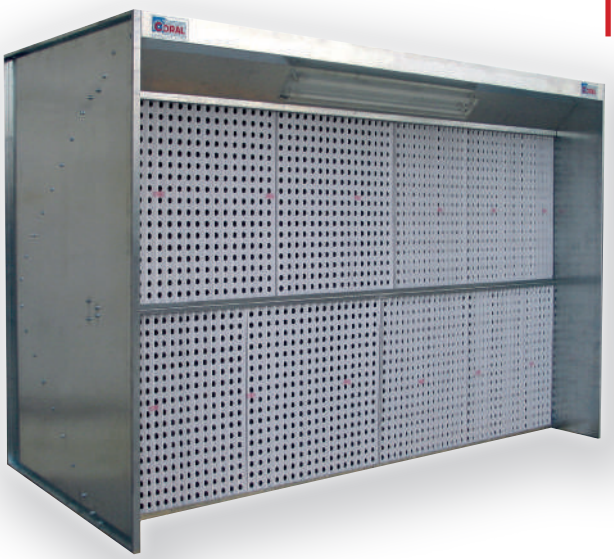
The Coral dry painting booths TECNODRY are designed to ensure versatility, modularity and efficiency. The TECNODRY is constructed of zinc-coated steel panels bolted together: the side panels and dividers are self supported.

The Coral TECNODRY booths are suitable for the continuous painting of large pieces. Ventilation is provided using our Coral high-performance fans that feature backward inclined spark proof impellers. The TECNODRY design can be customized to include extended walls and a roof, which optimize the capture speed at a distance of 3,3 feet from the extracting front. The TECNODRY is also supplied with lighting and dry filtration.
As an option, highly efficient glass fiber filtration can be added as a second stage of filtration.

WORKING PRINCIPLE

By means of the centrifugal fan mounted on the roof of the booth, a negative pressure is created and air is circulated through the filters. The air flow keeps the particles of paint suspended so that the filters can remove the solids without any escape in the work environment. The first stage of filters removes the larger particles of paint, an optional second stage of filtration made of a highly efficient glass fiber removes the finer particles. The purified air is then returned back into the workspace.
Alternatively, the filtered clean air can be discharge into the atmosphere through the installation of an expulsion chimney.





LEGEND

- Fan
- Extracted "over spray "
- Purified air
- Prefilter
- Filter (OPTIONAL)

PERFORMANCE

DIMENSIONS

	Delivery	Fan		Total height	Width	Depth	Working height
	c.f.m	n°	Hp	inches	feet	inches	inches
TECNODRY 2	4120	1	2	81	6.7	54/93*	77
TECNODRY 2,5	5885	1	3	84	8.4	54/93*	77
TECNODRY 3	5885	1	3	84	10	54/93*	77
TECNODRY 4	8240	2	2	81	13.3	54/93*	77
TECNODRY 5	11771	2	3	84	16.6	54/93*	77
TECNODRY 6	11771	2	3	84	19.9	54/93*	77

* With entended walls and roof (B version)

Innovative Air Solutions

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EURODRY

Dry painting booths

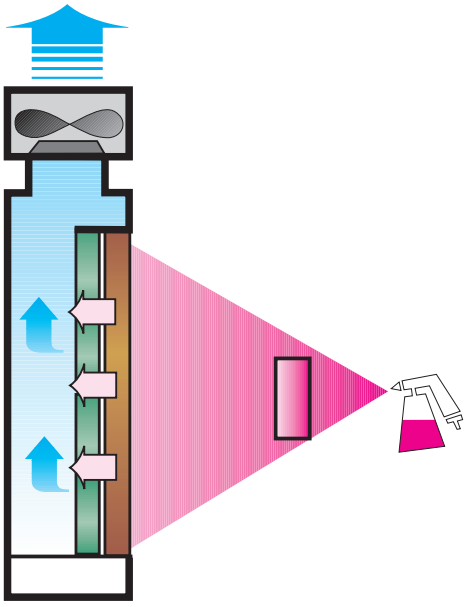
OVERVIEW

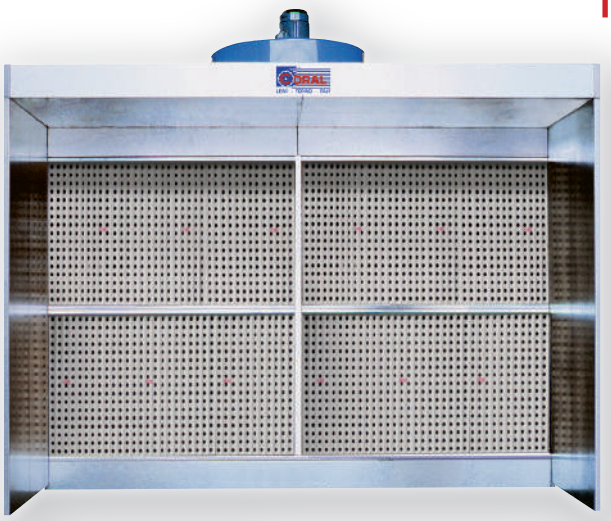
The Coral dry painting booths EURODRY are the ideal solutions for the continuous painting of large pieces. The EURODRY is constructed of zinc-coated steel panels bolted together: the side panels and dividers are self supported.

The EURODRY booths feature Coral's high quality, high-performance backward inclined spark proof fan that use less power and are capable of high-performance extraction. Also available with extended walls and a roof, they are produced in two heights. Also available ATEX COMPLIANT for potentially explosive applications.

WORKING PRINCIPLE

By means of the centrifugal fan mounted on the roof of the booth, a negative pressure is created and air is circulated through the filters. The air flow keeps the particles of paint suspended so that the filters can remove the solids without any escape in the work environment. The first stage filters remove the larger particles of paint, the second stage filters made of a glass fiber removes the finer particles. The purified air is returned back into the workspace.
Alternatively, the filtered clean air can be discharge into the atmosphere through the installation of an expulsion chimney.





LEGEND

Fan

Extracted "over spray "

Purified air

Prefilter

Filter

PERFORMANCE

DIMENSIONS

	Delivery	Fan		Total height	Width	Depth	Working height
	c.f.m	n°	Hp	inches	feet	inches	inches
EURODRY N 1,5	3530	1	2	115	5.2	31/70*	86
EURODRY N 2	4710	1	3	118	6.8	31/70*	86
EURODRY N 2,5	5885	1	3	118	8.4	31/70*	86
EURODRY N 3	7062	1	4	120	10.1	31/70*	86
EURODRY N 4	9417	1	5,5	120	13.3	31/70*	86
EURODRY N 5	11771	2	3	118	16.6	31/70*	86

* With entended walls and roof (B version)

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ZINCOVELO

Water veil painting booths

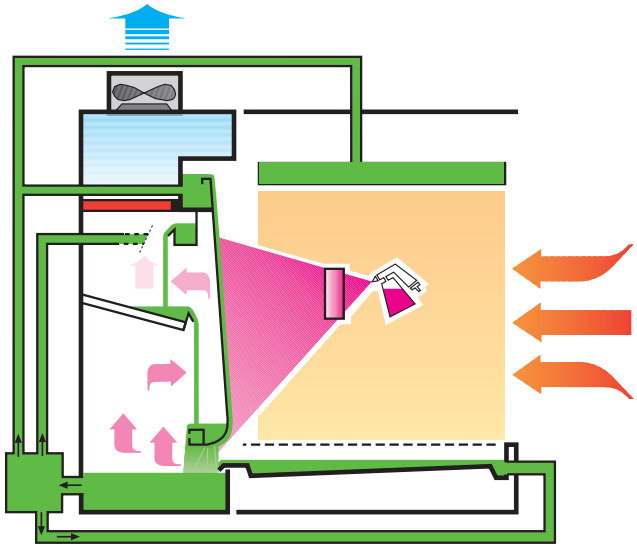
OVERVIEW

The Coral water curtain painting booths ZINCOVELO are designed to ensure versatility, modularity and efficiency. They are produced in six standard versions constructed in an extremely robust structure made from galvanized steel panels which make them compact, solid and built for many years of operations.

The Coral ZINCOVELO booths include large lower tanks with a grid platform. The models available are the ZPG, ZPGA, ZPGB and ZSP versions. Easy to maintain, they use intrinsically safe backward inclined fans that provide high-performance and low-noise. Optional versions can be supplied with post-filtration to allow for air recycling and cabin pressurizing on request.

WORKING PRINCIPLE

By means of the fan mounted on the roof of the booth, a negative pressure is created, the air flow moves from the extracting front to the exhaust plenum. The paint solids are removed as the airflow passes through a column of water falls in the booth.
Three stages of water along with physical stages of filtration removal and capture the paint pigments which are captured inside the collector tank. A submerged pump in the tank is used to pump the water back through a series of nozzles which, create the water barrier.
The pigments are initially removed by the front water curtain; subsequently, the residual part is forced to pass through other internal water curtains which removes most of the solid paint pigments. To ensure full solids removal, the air passes through a final dry stage of filtration. In the ZPG version, there are two additional water curtains set along the side walls of the booth to optimize the first filtering stage.



LEGEND

- Fan
- Extracted "over spray "
- Coconut fibre filter
- Purified air
- Drop separator
- Washing water
- Air inside the room

PERFORMANCE

DIMENSIONS

	Delivery	Fan		Pump		Total height	Width	Depth	Working height
	c.f.m	n°	Hp	n°	Hp	inches	feet	inches	inches
ZB 2	4355	1	3	1	0,75	126	6.8	45	96
ZB 3	6533	1	4	1	0,75	127	10	45	96
ZB 4	8710	1	5,5	1	1	128	13.4	45	96
ZB 5	10890	2	3	1	2	126	16.6	45	96
ZB 6	13007	2	4	2	0,75	127	19.9	45	96

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ICON

Modular filter unit for dust application

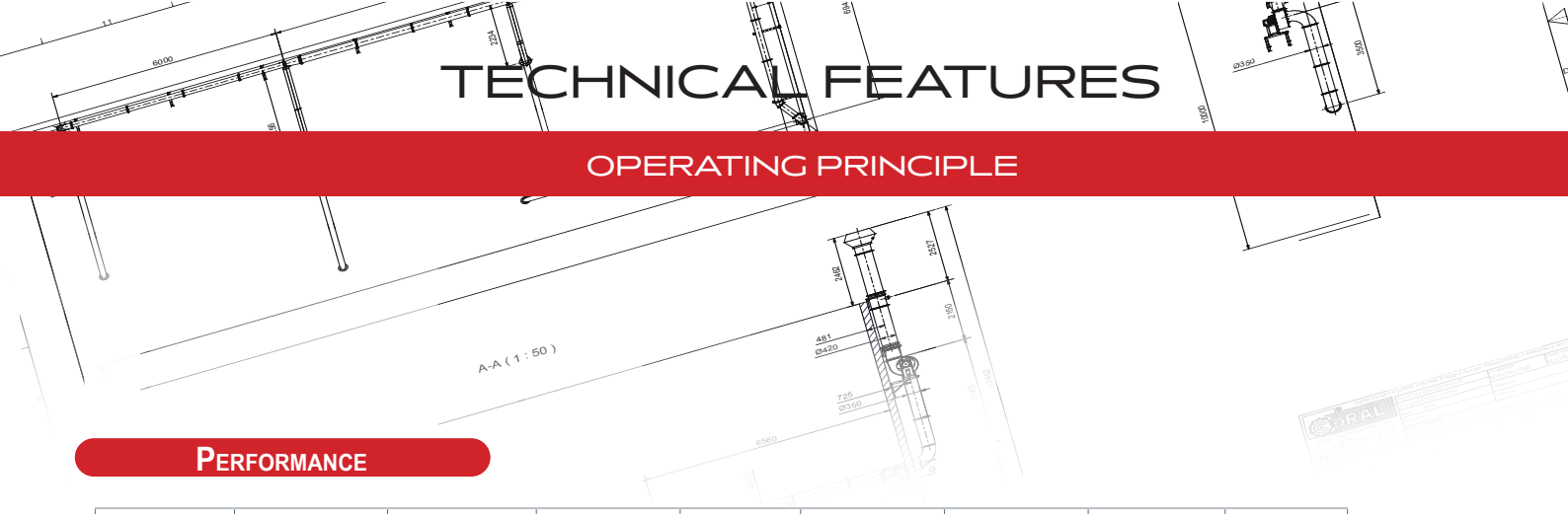
OVERVIEW

THE COMPACT DUST EXTRACTION AND FILTRATION UNIT MODEL ICON IS THE MOST FLEXIBLE, TECHNICAL AND PRACTICAL SOLUTION FOR DUST EXTRACTION, EQUIPPED WITH THE ADVANCED STAR BAG POLYESTER CLASS M FILTERS WITH DOUBLE **FILTER SURFACE AREA** AND VERY HIGH FILTRATION EFFICIENCY.

- INTEGRATED CENTRIFUGAL FAN
- QUICK, SIMPLE AND EASY INSTALLATION
- REDUCED INSTALLATION COSTS
- PLUG & PLAY SOLUTION
- QUICK AND EASY MAINTENANCE

TECHNICAL FEATURES

OPERATING PRINCIPLE



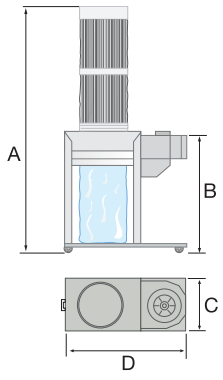
PERFORMANCE

Modell	Maximum Air Flow	Nominal Air Flow	Available Static inlet pressure	Power	Intake opening	Number of collecting bag	Filtering surface	Weight
	cfm	cfm	inH_2O	kW - HP	Ø inch	Ø 19,7 inch H 59 inch	sq.ft	lb
ICON 1C/3	1,471	1,295	4.7	2.2 - 3	7.00	1	51	172
ICON 2C/4	2,060	1,766	4.9	3 - 4	8.66	2	103	231
ICON 3C/5,5	2,648	2,354	4.5	4 - 5,5	10	3	155	297
ICON 4C/7,5	3,237	2,649	5.1	5,5 - 7,5	11	4	206	383
ICON C5/10	3,825	3,649	4.4	7,5 - 10	12.40	5	258	492

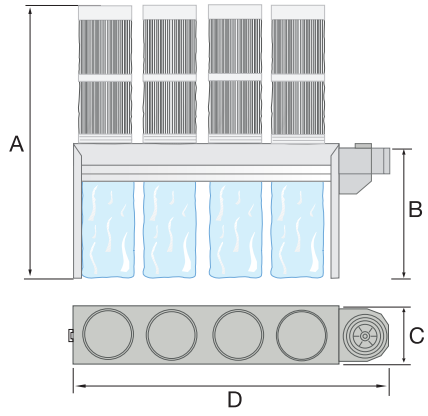
DIMENSIONS

	A	B	C	D
ICON 1C	107.9”	51.4”	27.5”	53.2”
ICON 2C	107.9”	51.4”	27.5”	68.9”
ICON 3C	103.6”	47.3”	27.5”	94.5”
ICON 4C	103.6”	47.3”	27.5”	118.2”
ICON 5C	103.6”	47.3”	27.5”	141.8”

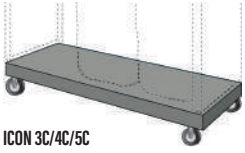
1C - 2C



3C - 4C - 5C



OPTIONAL



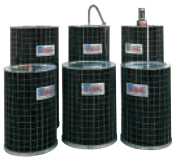
ICON 3C/4C/5C

WHEELED VERSION TOTAL PAITING

DEFLECTORS

SHUTTERS

FLEXIBLE HOSE



FIL CARTRIDGES

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ICON Pro

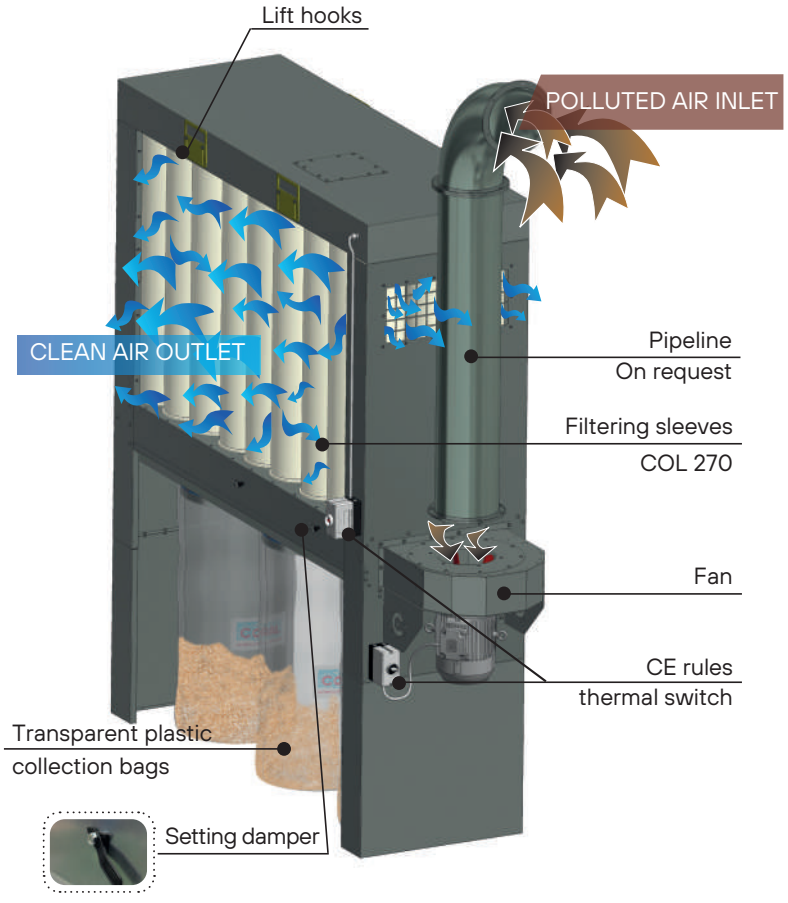
Modular filter unit for dust application

OVERVIEW

THE ICON PRO FILTER UNIT IS THE MOST AFFORDABLE, SIMPLE AND PRACTICAL SOLUTION WITH A LARGE FILTERING SURFACE FOR DUST EXTRACTION & EQUIPPED WITH SLEEVES AUTOMATIC CLEANING.

- INTEGRATED CENTRIFUGAL FAN
- QUICK, SIMPLE AND EASY INSTALLATION
- REDUCED INSTALLATION COSTS
- PLUG & PLAY SOLUTION
- QUICK AND EASY MAINTENANCE

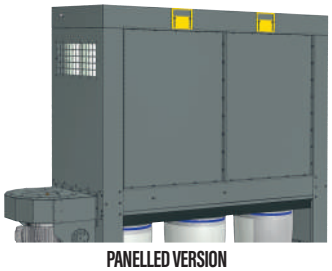
OPERATING PRINCIPLE



OPTIONAL

COL 270/AX
ANTISTATIC

CONTROL BOARD



PANELLED VERSION

TECHNICAL FEATURES

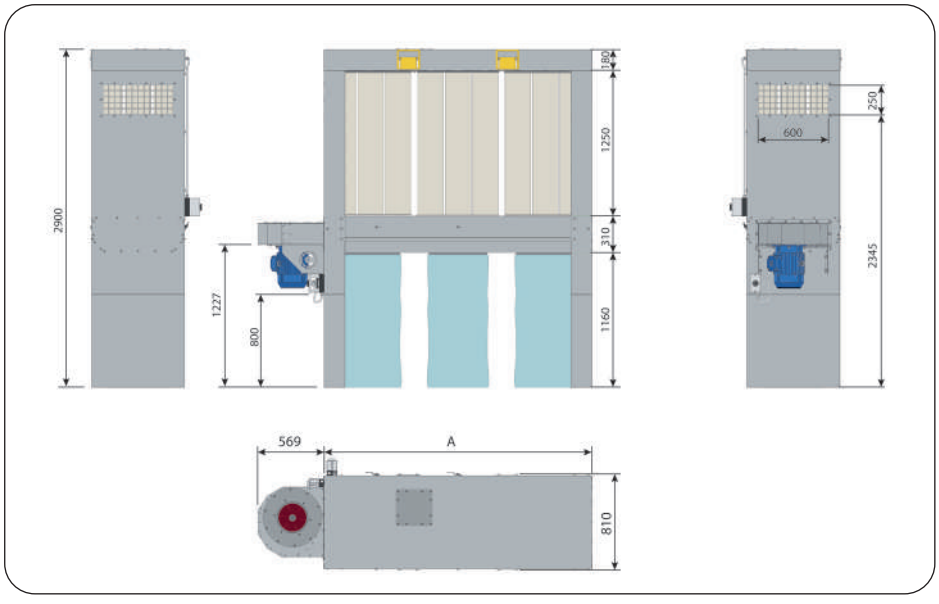
OPERATING PRINCIPLE

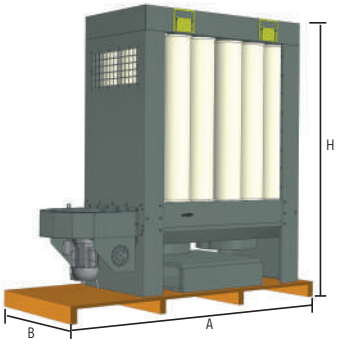
PERFORMANCE

Modello	Max air flow	Available static inlet pressure	Power	Ø intake opening	No of sleeves	Filtering Surface	Sleeve Ø 8,6' height	No of collecting bags Ø 20' H 50'	Weight	
	cfm	inH2O	kW-HP	inches		sqf	mm		lbs	lbs
									STANDARD	PANELLED
ICON PRO 18/5,5	2940	4,9	4 5,5	10	18	167	1250	2	518	588
ICON PRO 27/7,5	3550	5,3	5,5 7,5	11	27	250	1250	3	595	709

DIMENSIONS

	A
ICON PRO 18	59"
ICON PRO 27	90"



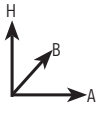


ASSEMBLED UNIT PACKAGING

FITOK

Overal dimensions AxBxH (inches)

Total weight (lbs)



			STANDARD	PANELLED
ICON PRO 18	90'x37'x86'	**ICON PRO 18 4kW**	570	641
ICON PRO 27	90'x37'x86'	**ICON PRO 27 5,5kW**	674	789
	29'x25'x29'	**FAN CASE**		

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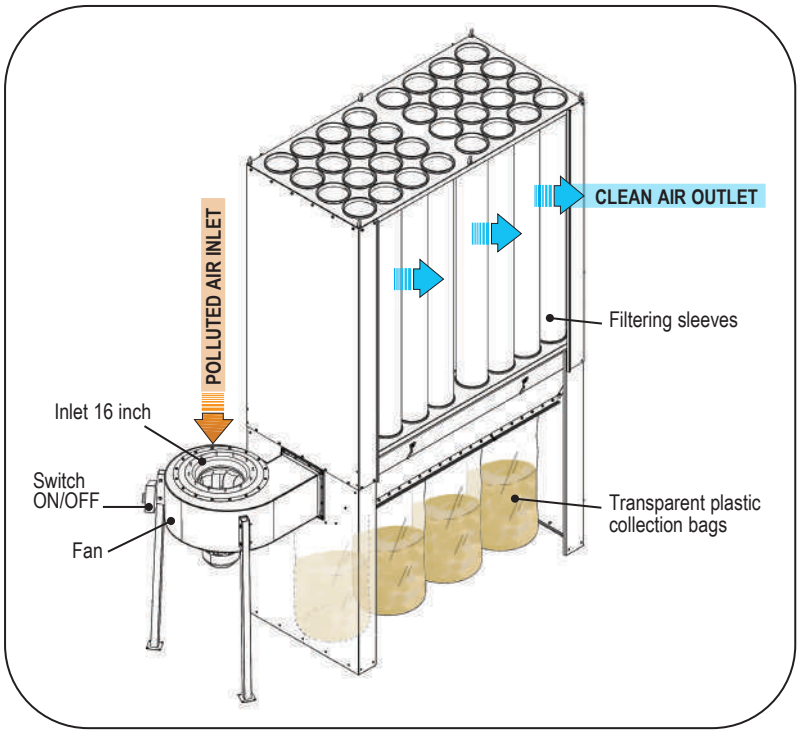
FM10 READY

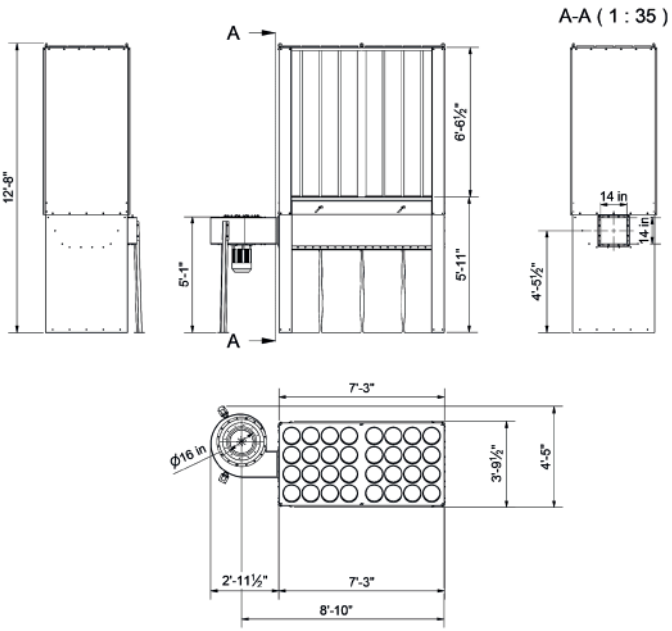
UL Certified modular filter unit for wood dust applications

Overview

The Coral FM10 READY modular filter unit is an economically priced and practical solution for the extraction of wood dust. The FM10 READY features a large filter surface area which allows the dust collection system to run for long periods of time before maintenance is required.

+ Specifically designed for the USA Market, with **UL Certified** motor, switch and filters.
+ **Improved Filtering Efficiency**, thanks to the large number of polyester felt filter sleeves.
+ Created to keep the **overall dimensions small** in relation to the filtering surface.
+ Delivered pre-assembled, **ready for operation** in just a few steps.





	FM10 READY
POWER	10 HP/ 7,5 KW
SUPPLY VOLTAGE	230 or 460 Volts 3ph
FAN ROTATION SPEED	1750 RPM
AVARAGE NOISE LEVEL	79 dBA
AIRFLOW CAPACITY	5,000 CFM
PRESSION	6 Inches WG
WEIGHT	793 lbs
NO. OF SLEEVES	32
FILTERING SURFACE	510 sq.ft
NO. OF COLLECTING BAGS	4
WASTE DUST COLLECTION BAGS CAPACITY	34 ft^3 total

Note

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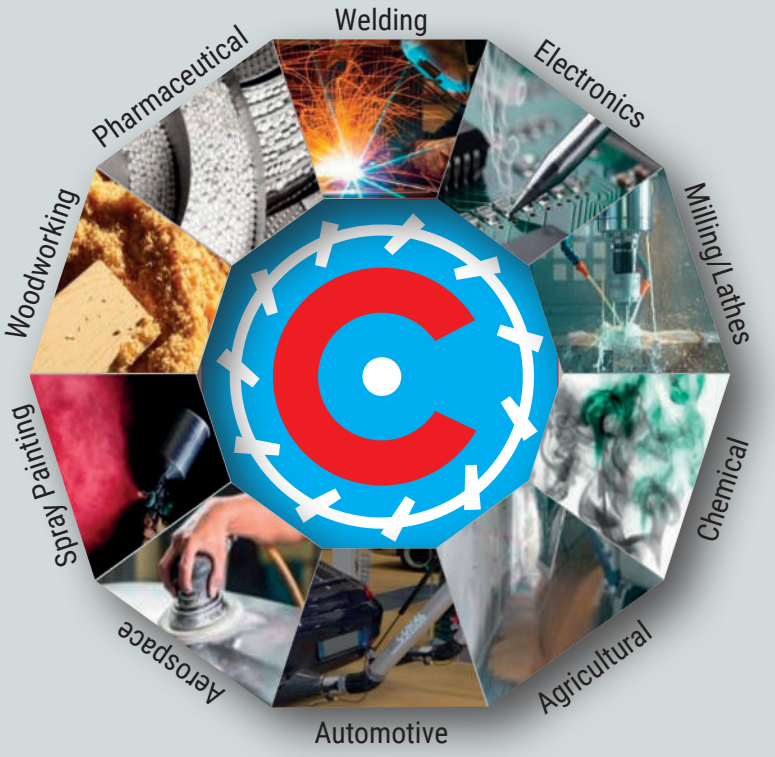

ONE Solution

CORAL®
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