



Filtronic Industries

For Pollution Free Environment..!

Mfg. in all types of in Plant Air Pollution Control Equipments.

FOR POLLUTION FREE ENVIEROMENT

In plant Air Pollution Control Equipments

**Sr.No. 112, Lane no. 27/6, ShivShakti Nagar, Paud Road, ,
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Authorized Distributor -Dynamic Industrial Corporation, Haryana

MANUFACTURER + SERVICE + SPARES PARTS

PRODUCTS

WE ARE MANUFACTURING

- **INDUSTRIAL ELECTROSTATIC PRECIPITATOR** ESP's
- **DUST COLLECTORS**
- **MIST COLLECTORS (WET / OIL)**
- **INDUSTRIAL VACUUM CLEANER**
- **WELDING FUME EXTRACTOR**
- **DOWN DRAFT TABLE DUST COLLECTOR**
- **METAL/ WOOD/ PLASTIC CHIPS COLLECTOR**
- **INDUSTRIAL SCRUBBERS**
- **FUME EXTRACTION ARM / MOVABLE ARM**
- **MACHINE ENCLOSER / CANOPY'S**

Electro Static Precipitator (ESP)

SUPERCLEANER



SUPERCLEANER IS a high efficiency, 2 stage Penny type Electrostatic Precipitator. As oil mist & smoke is drawn in the Precipitator which is following stage
 1st: MECHANICAL FILTER which is collect large particles which is laden in air. 2nd: IONIZER It is carry high electric charge to charge air (smoke) particles.
 3rd: COLLECTOR CELL It is carry both charge plates one is positive & other is negative which is collect the air (mist/smoke) particles. 4th: BLOWER It is given necessary air flow . 5th: HIGH VOLTAGE POWER PACK: for the precipitation process is provided by FILTRONIK INDUSTRIES Mfg. non-lethal power pack.

Many product mfg. processes generates mist, fens or smoke use for the application.

APPLICATION

- Oil Fume/ Smoke, * Gear Cutting, * Oil base high pressure grinding, *Induction Quenching / Hardening,* Cold Drawing,
- * Forging, Oil fume/mist and dry fumes of other metal working process.

FOR INPLANT POLLUTION CONTROL UNIT SPECIFICATION

MODAL-FEO	Normal Air Flow CFM	Std. Motor POWER	L	W	H
FEO – 40/60	400/600	0.5 HP	960/1110	445/540	740
FEO– 80/100 DP	800/1000	0.5 HP	1160	640/750	740
FEO– 120 DP	1200	1 HP	1245	750	740
FEO – 160 DP	1600	1 HP	1440	1385	740
FEO – 160 TP	1600	1HP	1760	1660	740
FEO– 200 DP	2000	2 HP 1 HP/	1210	1465	740
FEO– 200 TP	2000	2 HP 1 HP/	1760	1660	740



OIL MIST COLLECTOR/Electro Static Precipitator (ESP) Installation (Centralize System Provide) OIL / DRY fumes application



DUST COLLECTOR CARTRIDGE TYPE



NORMAL / PORTEBLE ↑
RANGE OF MODEL ↑

Capacity: From 300 CFM to 1500 CFM
Suction pressure: From 80mmWG to 400mmWG
Power: 0.75 kw to 2.2 kw @ 415 vac,3ph.
Max Unit Size L×W×H : 400 dia x 1100 to 910×910×1310



MINI ↑
CUSTOMIZE MODEL

100 TO 300 CFM
50 to 110 mmWG
0.37kw to 0.75 kw



HAVY DUTY/ STATINARY
RANGE OF MODEL ↑

Capacity: From 1500 CFM to 10000 CFM
Suction pressure: From 200mmWG to 1000mmWG
Power: 1.5 kw to 5.5 kw @ 415 vac,3ph
Max Unit Size L×W×H : 1210×1210×5010 to 1800x2000x5010

FOR INPLANT POLLUTION CONTROL

TYPICAL DUST COLLECTOR APPLICATIONS

- *BUFFING DUST
- *PHARMACEUTICALS DUST
- *CARBON DUST
- *TURNING DUST
- *METAL GRINDING DUST
- *FOUNDRIES INDUSTRIES
- *POWDER COATING DUST
- *DYESTUFF
- *MILLING DUST
- * TABLET M/C DUST
- * PAPER PRINTING DUST
- *WOOD / ACRELIC CUTTER DUST
- *FOOD PROCESS
- * FLOUR MILLS INDUSTRIES
- * SHORT BLASTING M/C
- LASER MARKING DUST
- *CAPACITOR POWEDER
- *TOOL ROOM ALL TYPES DUST

AND MANY OTHER CRITICAL PROSSES THAT GENERATES DUST

DUST COLLECTOR : All types of dry powders ALL TYPES DUST OF GRINDING AND BUFFING, PHARMA , CAPACITOR, TOOL & CUTTER M/C, PLASTIC DUST , AND MANY OTHER DRY DUST APPLICATION Centralize System Provide



CENTRIFUGAL MIST FILTER / COLLECTOR



Horizontal



Vertical

FM- The mist – collector operates on the principal of centrifugal impaction. Centrifugal blower located inside the drum generates the necessary suction to draw in the mist laden air from the source of generation.

The fine mist particles are force to colloid to get trapped & coalesce, Air is allowed to pass through the filter media over the drum or the impaction pads,

droplet size particles are then thrown out at high velocity by centrifugal force the drum inner wall or outer casing.

The collected liquid mist is continuously drained out pressure through by drain tube for reuse or disposal.

Many product mfg. processes generates mist, fens or muck use for the application.

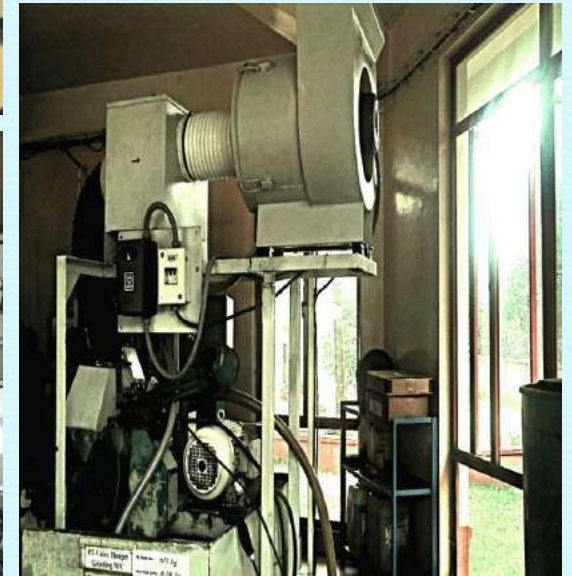
MODEL	AIR FLOW (CFM)	MOTOR (HP) 415 VAC
FM-40	400	1
FM-60	600	1
FM-80	800	1.5
FM-100	1000	2
FM-120	1200	3

TYPICAL MIST COLLECTOR APPLICATION

All types of coolant GRINDING , *AWH Grinder, *Fiber/Glass wool mist
OIL GRINDING *CNC GRINDING, * TOOL GRINDING * SURFACE GRINDING
AND MANY OTHER PROSESS GENERATES MIST

CENTRIFUGAL MIST FILTER / COLLECTOR

Coolant and water MIST base application



Industrial Vacuum Cleaner



(High pressure vacuum cleaner portable)

Centrifugal blower for generates high vacuum pressure suction, 2 stage of filter: 1st Ex. Collection filter & 2nd Bag filter.
(unit use on dry dust only) 24 Hr Running unit

Centrifugal blower generates necessary high vacuum suction in the 1st stage of filter: heavy dust particles laden in air are suck, trapped & collect in Extra collection filter , after that 2nd stage of filter: fine dust particles laden in air are trapped & collect in bag filter, 12 hours continuous duty.

For in Plant pollution control vacuum cleaner specification

In many other critical process that generates dust, use for that application

MODEL	AIR FLOW (PRESSURE WG.)	MOTOR
FI/VC-100	700	0.5 HP
FI/VC-200 TO 500	1500 TO 5000	1 HP TO 5 HP

WELDING FUME EXTRACTOR

MODEL	AIR FLOW (CFM)	MOTOR
FW-60	600	1.5 HP
FW-80	800	2 HP
FW-100	1000	3 HP

* MORE THAN 5 HP UNIT USE FOR **CENTRALIZE WELDING FUME EXTRACTION SYSTEMS**

- WE ARE MANUFACTURING MOVABLE ARM,
- CENTRALIZE SYSTEM PROVIDED.
- 415 VAC, 3 PH AND 230 VAC 1 PH, AVAILABLE.
- AS PER CUSTOMER REQUIRE WE MFG. OF EXTRACTION UNIT.
- AUTO AND MANUAL CLEANING AVAILABLE.



DOWN DRAFT TABLE DUST COLLECTOR

MODEL	AIR FLOW (CFM)	MOTOR
FTD-60	600	1.5 HP
FTD-80	800	2 HP
FTD-100	1000	3 HP

- DOWN DRFT TABLE USE MANY MORE GRINDING OTHER CLEANING PROCESS APPLICATION.
- WE MFG. CAPACITY AS PER YOUR REQUIREMENT
- 415 VAC 3 PH AND 230 VAC 1 PH
- CUSTOMIZE MFG.
- AUTO AND MANUAL CLEANING AVILABLE



Oil Dust/Wood/Plastic Chips Collector



**USE ALL TYPES OF OIL CHIPS/WOOD
DUST/PLASTIC HEAVY DUST
PARTICALS**

Mfg. As per customer requirement

MODEL	AIR FLOW (CFM)	MOTOR (HP)
FI/CD- 80	800	3
FI/CD-100	1000	5
FI/CD-150	1500	7.5

FUME EXTRACTION / SUCTION ARM

MFG. AS PER CUSTOMER REQUIREMENT.

- PORTABLE MOVABLE ARM
- USE APPLICATION ALL TYPES OF FUMES, POWDERS, DUST, MIST GENERATION.
- POLLUTED AIR EXHAUST SYSTEMS
- EASY TO USE
- LED FOCUS ATTACHED
- WALL MOUNTING (LENTH 5000 MM)
- COMPATATIVE PRICE

SR. NO	MODEL	SIZE (DIA x LENTH) In MM
1	FI-ARM 4/2M	110 X 2000
2	FI-ARM 6/2M	160 X 2000
3	FI-ARM 8/2M	200 X 2000

SR. NO	MODEL	SIZE (DIA X LENTH) In MM
1	FI-ARM 4/3M	110 X 3000
2	FI-ARM 6/3M	160 X 3000
3	FI-ARM 8/3M	200 X 3000



MACHINE ENCLOSURE / CANOPY

CUSTOMIZE HOOD AND CANOPIES

START TO END SOLUTION FOR ALL TYPES OF OIL FUME, MIST, POWDER, DUST



HOOD AND DUCT Modification work



SCRUBBER

MFG ALL TYPE OF WET/CHEMICAL SCRUBBERS INSTALLATION



HOOD AND DUCT CONSIDERATIONS:

THE EFFECTIVENESS OF ANY OIL MIST/SMOKE/ DUST COLLECTION SYSTEM IS DEPENDENT UPON CAPTURING THE CONTAMINANTS AT THEIR SOURCE AND CONVEYING THEM TO THE UNIT.

- The best approach is to capture the mist/smoke/dust right at the source of generation. This source capture is the ideal way to keep the contaminants from escaping throughout the work area . This benefits greater effectiveness and (CFM).
- To be optimum result the hood and design should not be oversimplified.
- In case open machines, tailor made exhaust hood can be positioned on the machine close to the work place/tools/cutter that can effectively exhaust the oil mist smoke / grind mist / dust.
- Where adequate hood or is provided on the machine, the mist can be exhausted through short duct work or flex hose to the unit.
- The rating of the unit depends neither on the amount of mist / smoke / dust to be collected or on just a high suction pick up hood but on the volume of air necessary to capture all of the mist / smoke / dust at the source of generation.
- The duct connecting the hood the unit should be as short as possible & of adequate cross section area, inclined toward the machine.

ALL UNIT DELIVERS CLEAN AIR, ADDITIONAL EXHAUST IS NOT REQUIRED

GUARANTEE

ALL type unit are guaranteed against any manufacturing defects in the part or workmanship for one full calendar year from the date of delivery. FILTRONIK INDUSTRIES shall repair or replace any defective parts free of cost during the warranty period.

SPECIALITY

**CUSTOMER REQUIRED MAINTENANCE & SPAERS ARE PROVIDED BY
FILTRONIK INDUSTRIES**

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