

Now you can have a
pollution free environment



We are an ISO 9001:2015 Company
Powertech Pollution Controls Pvt. Ltd.
Bangalore, India.

Company Profile

Powertech Pollution Controls Pvt Ltd was established in the year 1996 , for the design and manufacture of a wide range of air pollution control equipment , specifically Electrostatic Filters, for the capture and control of most types of fumes , mist , smoke and fine dust , generated on the shop floor , during the production process. Electrostatic filters are marketed under the brand name of Fumekiller® and Dustkiller® throughout India and abroad.

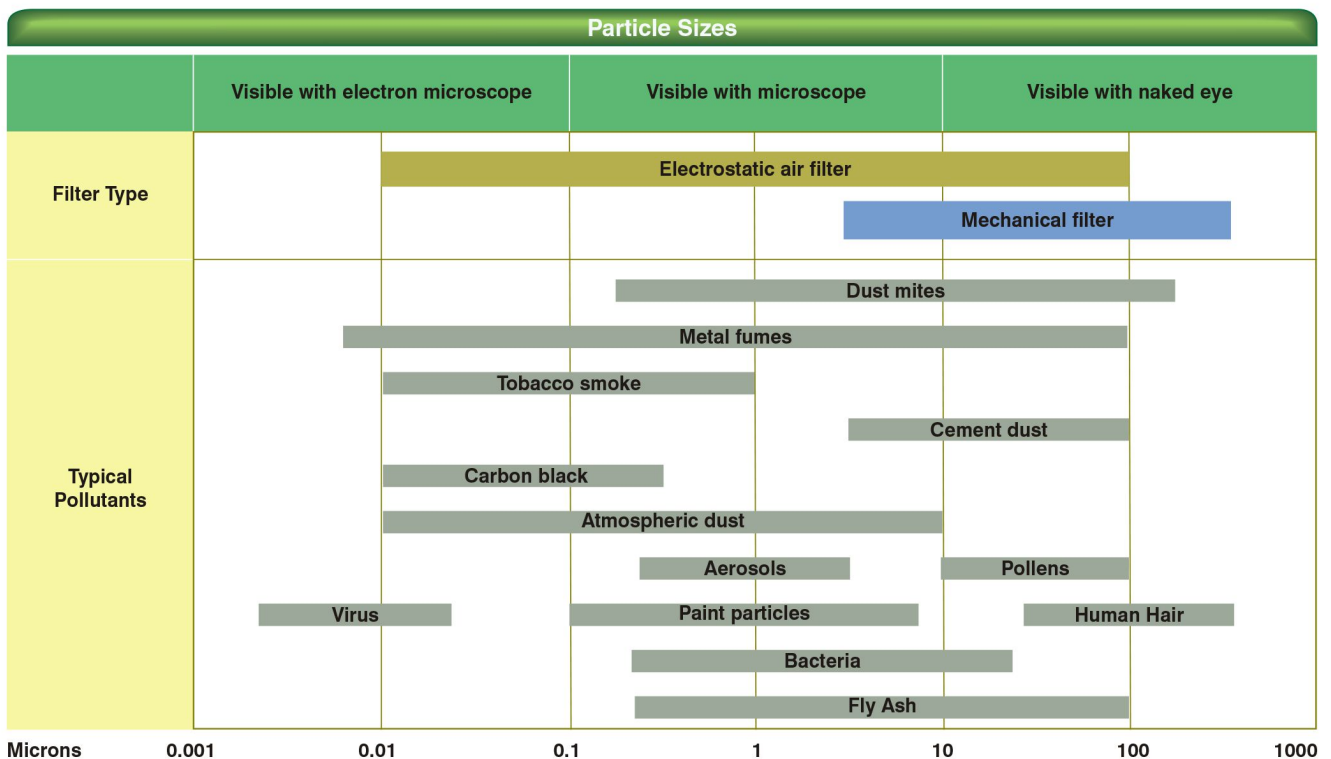
These systems are highly efficient (90% to 98%), use 40% less power, have very low maintenance, use permanent , many times re-usable filter media ,and can capture particulates down to 0.01 micron level (theoretical limit of 2-stage electrostatic filtration), and are ideal for the capture of fumes, smoke, oil/coolant mist and fine powders with the additional advantage of possible reuse of the collected oil/coolant or powder. These Filters may also be used for Clean Room applications of upto Class 1,00,000, and as efficient prefilters for higher class of Clean Rooms (where the life of expensive terminal HEPA filters can be extended by about 3 times).

A wide range of 2-stage Electrostatic filters are being used by many industry leaders, including Wipro Infrastructure Ltd, Toyota Kirloskar Motors , TVS Motor Co., Hindusthan Aeronautics Ltd, Bharat Electronics Ltd, Yuken India Ltd, Kennametal India Ltd, Maruti Suzuki India Ltd., Bhaba Atomic Research Centre, Automotive Axles Ltd , Vikram Sarabhai Space Centre , Delphi TVS Ltd , Reserve Bank of India , Titan Industries Ltd , Exide India Ltd , ABB Ltd , among many others.

These are typically used for the capture of fumes , smoke ,mist and fine dust from welding , CNC machining , quenching , hardening , heat treatment ,annealing , soldering , tinning , diesel gensets , curing ,boilers , furnaces , etc.

Our fume extraction systems have been approved by Agie Charmilles Technologies, Switzerland, for use with their Electro Discharge Machines in India , for the control of fumes. We also manufacture a range of unit dust collectors under the brand name of DustBag® which are used for the capture of most types of dry and mildly wet dust from cast iron machining , surface grinders , tool & cutter grinders, deburring , polishing , mixing , stripping , etc

The Managing Director - Mr. Philip Thomas, B.E. (Hons.) Electronics, B.E. (Hons.) Electrical, M.B.A has over a decade of Industrial experience in senior management positions . With his association with the Semiconductor industry, he initiated the design and manufacture of Electrostatic Filters using state-of-the-art technology. Our marketing team consists of engineers, who will undertake technical site study and suggest the optimal solution. The company has a team of dedicated representatives in place , throughout India, who will provide excellent application study and service backup, to solve most of your problems concerning airborne pollutants. Quality Control is an obsession through out the organisation and is evident in the list of our highly satisfied customers.



Extractor Arm

The Extractor Arm is a device which allows the user to position a suction hood to capture fumes or dust close the generation spot with complete ease and flexibility.

Features : This highly useful accessory may be used with the Fumekiller® and DustBag® units . Maintenance and running costs are low as all components are built for continuous , reliable , safe and efficient use. These systems contribute to a safer , healthier work environment where toxic airborne pollutants are removed. We provide excellent factory support and product expertise based on years of industrial process emission control.



The Extractor Arm consists of 2 ducts made of aluminium or stainless steel, connected by PVC flexible hoses and mounted on interconnected support rods with friction-loaded pivots. A suction hood is attached to one end. The other end is attached to a rotating hollow cylinder. The suction hood, ducts, hose and rotating cylinder form a passage for the fumes or dust. The entire arm is self balanced and articulated at 3 points. This allows the suction hood to be positioned by hand at any point with a reach of 2 meters (or 4 meters) to & fro and 2 meters (or 4 meters) up & down with complete ease & flexibility with minimum effort. The Extractor Arm can be fitted to most of our Fumekiller® models & Dustbag® models. The arm can also be fitted to overhead ducting to provide suction points close to the floor level for the capture of fumes or dust from pollution generation spots.

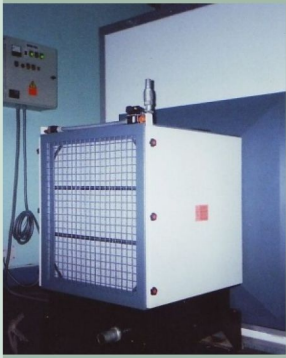
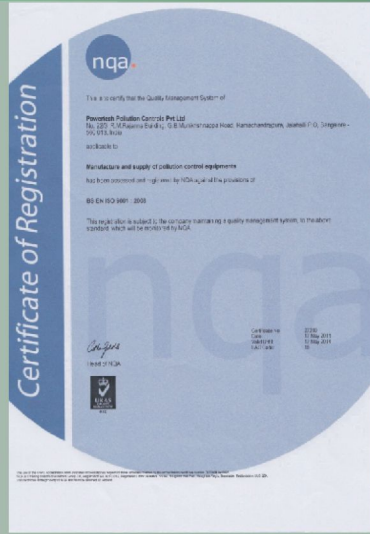
How it works : The Extractor Arm consists of elements of aluminium ducts joined by flexible hose, articulated at 3 fulcrum points. One end of the arm is fitted with a swivel fixture. The arm is self balanced using friction pads and a telescopic gas tube. The arm can be swivelled by hand through about 270 degrees and can be positioned easily within a nominal distance specified for each arm. With the Extractor Arm, fitted to the Fumekiller® or DustBag® the suction hood of the arm is to be positioned close to the fumes/dust generation spot. The fumes/dust will be sucked through the suction hood and will reach the Fumekiller® or DustBag® for further filtration.

Technical Specifications*

Models	FEA-200-2	FEA-200-3	FEA-200-4	FEA-250-2	FEA-250-3	Mini Arm
Air Flow Capacity	2000-2500 Cu mtrs/hr	2000-2500 Cu mtrs/hr	2000-2500 Cu mtrs/hr	3500-4000 Cu mtrs/hr	3500-4000 Cu mtrs/hr	250Cu mtrs/hr
Total reach (Approx.)	2 mtrs up, down 2 mtrs to, fro	3 mtrs up, down 3 mtrs to, fro	4 mtrs up, down 4 mtrs to, fro	2 mtrs up, down 2 mtrs to, fro	3 mtrs up, down 3 mtrs to, fro	0.75 mtrs. 250 degree swivel
Construction	Aluminium ducts 200Ø x2 nos. Interconnecting flexible PVC Hose. Telescopic gas tube damper Friction pads with disc spring for all pivots MS suction hood with handle	Aluminium ducts 200Ø x2 nos. Interconnecting flexible PVC Hose. Telescopic gas tube damper Friction pads with disc spring for all pivots	Aluminium ducts 200Ø x2 nos. Interconnecting flexible PVC Hose. Telescopic gas tube damper Friction pads with disc spring for all pivots	Aluminium ducts 250Ø x2 nos. Interconnecting flexible PVC Hose. Telescopic gas tube damper Friction pads with disc spring for all pivots	Aluminium ducts 250Ø x2 nos. Interconnecting flexible PVC Hose. Telescopic gas tube damper Friction pads with disc spring for all pivots	Segmented PVC sections press fitted together to form duct Swivel approx: 250 degree Held in position due to light weight of the duct sections and friction of joints PVC suction hood

* Due to continuous innovation, specifications are subject to change without notice.





A few of our esteemed customers:

- Agie Charmilles International S.A.
- Ashok Leyland Ltd.
- Automotive Axies Ltd.
- Bharat Electronics Ltd.
- Bhabha Atomic Research Center
- Brakes India Ltd.
- Delphi Automotive Systems Pvt. Ltd.
- Exide Industries Ltd.
- FCI OEN Connectors Ltd.
- Gabriel India Ltd.
- GH Induction India Pvt. Ltd.
- Greaves Cotton Ltd.
- Hindusthan Aeronautics Ltd.
- IFB Industries Ltd.
- Kennametal India Ltd.
- Lashmi Machine Works Ltd.
- Larsen & Toubro Ltd.
- Lucas TVS Ltd.
- Maruti Udyog Ltd.
- Reserve Bank of India
- Rane Engine Valves Ltd.
- Schneider Electric India Pvt. Ltd.
- Super Auto Forge Ltd.
- Suprajit Engineering Ltd.
- Titan Industries Ltd.
- Toyota Kirloskar Motors Ltd.
- Toyota Boshoku Automotive India (P) Ltd.
- TVS Motor Co. Ltd.
- Tyco Electronics Corporation India (P) Ltd.
- Wipro Infrastructure Ltd.
- among many others

Marketed by:



We are an ISO 9001:2015 Company

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