

Filter ON ESP Dry Scrubber

Healthy air.
Healthy profits.



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FILTERON

Healthy Air. Healthy Profits.

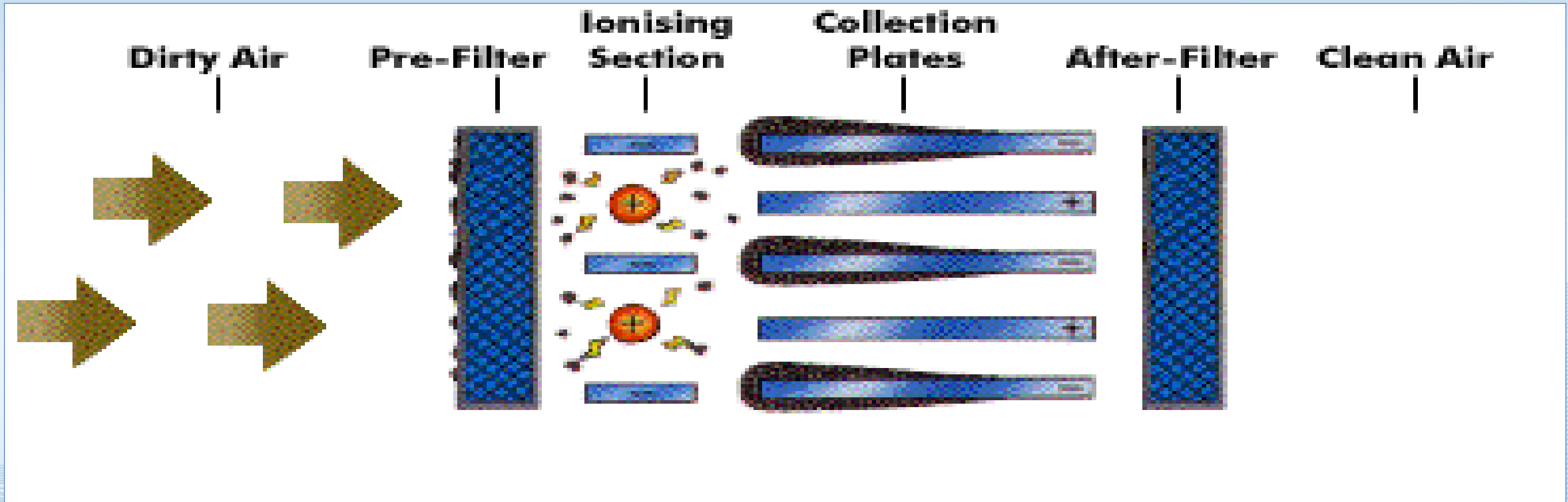
- Founded in 1983
- Pioneers in commercializing Electrostatic Air Filtration Technology in India since then
- First Company to receive ISO 9001:2015 with Design in this sector
- Only Company to offer complete customized product range with any air flow capacity in India
- Wide Range of proven applications right from ultra clean air requirements in Pharma & Electronics industries to Heavy Fumes Filtration in Fabrication Industry.
- With more than 7000 installations all over India

- Pioneering Work- Filter on has played instrumental role in introducing, indigenizing and commercializing Electrostatic Air Filtration technology in India.
- Engineered Systems- With Proper Air Volume & capacity calculations, Hoods & Ducting designs, Selection and optimization of filters & blowers etc. Filter on offers Optimized and Engineered products and Systems to client.
- Customized System- Wide Product Range & Engineering capabilities offers maximum Customization Systems suitable for specific requirements of Clients across industries & applications.
- Maximum Proven Applications- With more than 35 years of experience Filter on products and systems have been proven on very wide range of applications from Ultra clean air filtration to Heavy dust collection, from dry welding fumes to Oil Mist, from small Solder fumes to very large centralized fumes extraction plants for complete plant.

How ESP Used For Dry Scrubber?

How ESP is beneficial for Dry Scrubber?

- Filter On designs, manufacture and offers an highly efficient, engineered solution for reduction in Smoke, Grease, Odour from the extract of Kitchens and Restaurants through a Scrubber which operates on the principle of **electrostatic precipitation**. It pulls the air through the kitchen hoods and duct into a Dry Scrubber where the fumes are treated before they are exhausted or released into the atmosphere.
- Offers High Filtration Efficiency – keeps the exhaust clean & smoke-free.
- Zero usage of water & water pump during operations unlike Wet Scrubbers, which leads to huge savings in water & electricity.



Particles in Air are Ionized with High Voltage Corona discharge

Ionized Particles get attracted on opposite polarity electrode plates and are separated from air flow

Advantages:

Parameters	Advantages
Air Filtration Efficiency	<ul style="list-style-type: none"> • Ability of trapping the particles down to 0.001 micron. • 95+-2% Efficiency as per the gravimetric test for 0.5 micron & above particle size. • Meets MERV15 norms
Pressure Drop across filters	<ul style="list-style-type: none"> • It offers one of the lowest pressure drop. With Pre & After filter of wire-mesh & activated carbon type, maximum pressure drop is @8-10mm WC. • Low Pressure drop means saving in blower HP and • Ease of retro-fitment in existing HVAC system
Virtually Infinite Life	<ul style="list-style-type: none"> • Construction in Aluminium Electrode plates • Washable / cleanable & reusable for a long time(require periodic cleaning) • No cost of replacement of filters (life of filter-15-20 year) • Saves cost & Saves Environment

Our Dry Scrubber Range

Any Air Flow capacity can be built up with Combinations of standard units based on client's requirements

Single Unit from **1000 CMH to 96,000 CMH** with modular cells design





Sr.No.	Model	Air Flow Capacity CFM	Power Rating (Watts)	Overall Dimension
1	DS 2	1200-2000	50	810MM(L) X 620 MM(W) X 570 (MMH)
2	DS 4	2400-4000	50	1360MM(L) X 620MM(W) X 570MM(H)
3	DS 6	3600-6000	100	1875MM(L) X 620MM(W) X 570MM(H)
4	DS 8	4800-8000	100	2445MM(L) X 620MM(W) X 570MM (H)

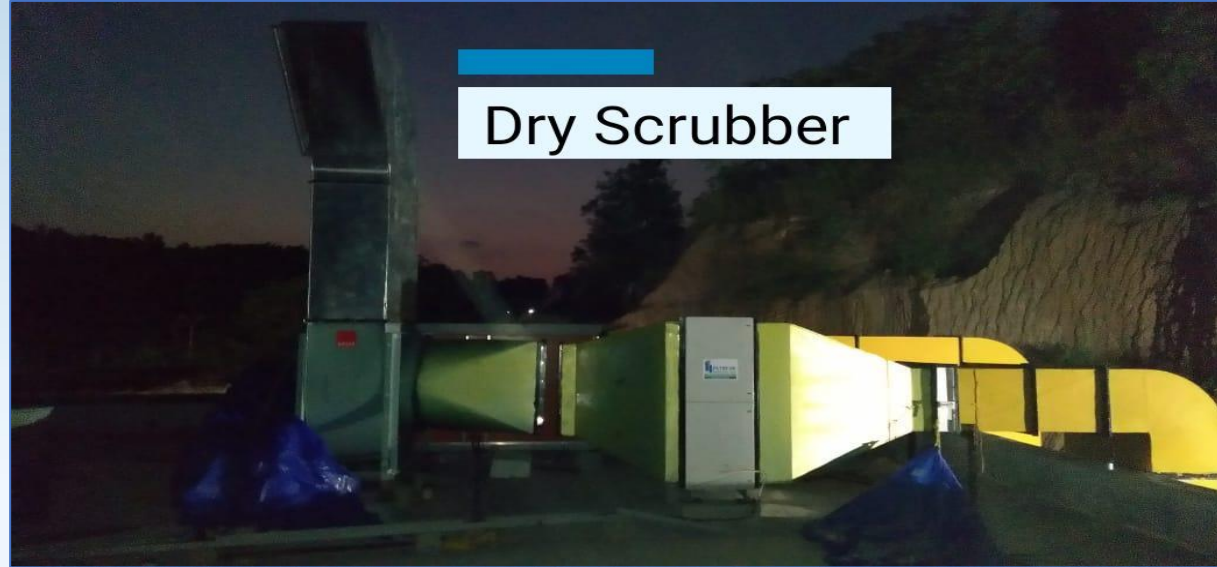
Note- Multiple Unit Can Be Joined Together For Increased Volume or Higher Efficiency

ODOUR CONTROL OPTION – UV Ozone lamp fitted after ESP Cell
Lamp Life : 10000 Hrs

Sr.No.	Client	End User	System Details
1.	AC Humidin- Delhi	All over India (North zone)	All type dry scrubber range Qty-45 Nos
2.	RG Incorporation- Vadodara	All over India (Gujarat)	All type dry scrubber range Qty-30Nos
3.	Urjas- Hyderabad	All over India (South Zone)	All type dry scrubber range Qty-15Nos
4.	Advantek Air Systems- Mumbai	All over India (West Zone)	All type dry scrubber range Qty-45 Nos

Sr. No.	Client	End User	System Details
5.	Oxyaire- Vashi Navi Mumbai	Taj Hotel	M03-20K, 8K With UV, (20000 CMH) Dry Scrubber, Qty 3No.
6.	Unique Engineering Pvt. Ltd. (Gurgaon)	Appu ghar Gurgaon	M03-16K, 20K, 28K With UV, (16000,20000,28000 CMH) Dry Scrubber, Qty 4No.
7.	Centech Engineers Pvt. Ltd. (Mumbai)	TCS Chennai	M03-28K, (28000 CMH) Dry Scrubbers, Qty 1No.
8.	Nutech Engineering Technologies Ltd.Pune	Reliance Hospital Mumbai	M03-7K,48K ,14K With UV, (7000 ,14000,48000 CMH) Dry Scrubber Qty 3 No.
9.	Vento Fab Engineers Pune	MCA Stadium Pune & GEA Processing Mumbai	M03-24K,8K (24000,8000CMH)Dry Scrubber Qty 2 No.

Sr. No.	Client	End User	System Details
		Season Mall Pune	
11.	Good Luck Tin Work ,Mumbai	Mumbai,Ghatkopar Hotel Site	M03-8K,12K,16K (8000,12000,16000 CMH) Dry Scrubber Qty 6 No.
12.	Air Cool Enterprises, Mumbai.	Mumbai Hotel Site	M03-8K,12K (8000,12000 CMH) Dry Scrubber Qty 3No.
13.	Reliance Air Control Bangalore	Prozone Mall, Coimbatore	M03-12K,16K (12000,16000 CMH) Dry scrubber Qty 2 No.
14.	Mahalaxmi Kitchen Equipment, Mumbai	Hotel Third Eye Café Palm Beach Galleria	M03-12K with UV (12000 CMH) Dry Scrubber Qty 1No.

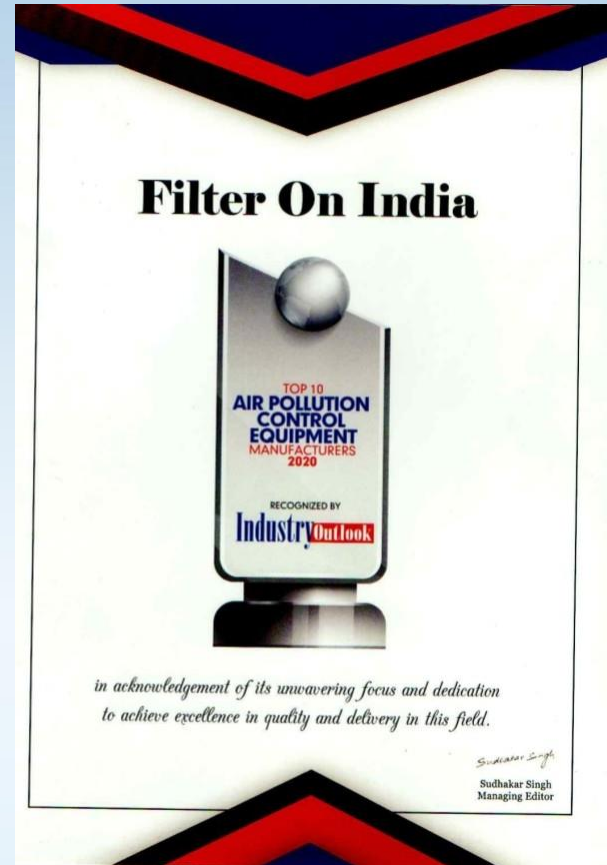


Visit Us:

Filter- On India Pvt. Ltd

Email:marketing@filter-on.com

Phone:7720088713,7720088723



Thank you!

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Corporate Office & Factory:
Filter-On (India) Pvt. Ltd.
1, Saiprasad Complex, S.78/1 Aura Ind. Cluster,
Shivane, PUNE 411 023 INDIA

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