

■ Paint over spraying filtration



■ OLD METHOD

Air pollution from Enamel & Wet paint spraying with water or solvent base

All enamel painting , wet paint spraying with solvent or water base always purified by “[wet scrubber](#) or [activated carbon absorber](#)”

Wet scrubber :

Old methods to purify this over spraying and odour makes many affected problems much more than intention to get rid of overspray and odour . These old methods make much waste water especially the TDS (Total Dissolved Solid) there are many solid from overspray be compounded and some dissolved in the water and reduced BOD (Biological Oxygen Demand) by some chemicals that need to control much and so expensive

Activated carbon absorber :

Of course the activated absorbents such as activated carbon can absorb odour but for overspray would blind on the micro pore of absorbent material and make it degenerated and get plugged , affect to lower flow rate and down the suction system very quickly

■ PERFECTED SOLUTION

Process & Environmental Advantages

- emission reduction of dry / liquid aerosols down to 0,1 mg/m³
- protection of down stream systems for thermal and/or adsorptive VOC removal
- high air circulation achievable at automated applications (reduction of fresh air ration < 20%)
- internal circulation of pre-coat material external waste treatment of saturated material
- waste water free process
- no chemicals for pacifying, disinfection and coagulation
- Cheep cost of pre-coating material
- No toxic chemical
- Low cost of maintenances

Painting dust application

- Filter unit for from 1000-100,000 m³/h or modular set
- automated sender- and receiver unit
- Pressurized paint application by compressed air gun
- PLC master control

■ Painting dust filtration



MODEL	AIR FLOW RATE (CMH)	ONE OPEN SIDE SPRAY BOOTH FACE AREA (Wx H =SQ.M)	BLOWER POWER (KW)	DIMENSION (MM)
RC Compact-HSL-2-900/18	500-800	0.8x0.9 = 0.72= 1 booth	2.2	1000X1500X2100
RC Compact-HSL-4-900/18	800-1350	0.8x0.9 = 0.72= 2 booth	2.2	1000X1500X2100
RC Compact-Delta2-6-750/9	1350-2050	0.8x0.9 = 0.72= 3 booth	3.75	1000X1500X2100

