

# Wet Scrubber

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### “Combat Air Pollution with Precision-Engineered Wet Scrubbers”

Zeco Wet Scrubbers are high-efficiency air purification systems engineered to remove airborne contaminants, including gases, vapors, and particulates, using advanced multi-stage scrubbing and mist elimination techniques. Ideal for industries that require reliable emission control, our systems deliver superior performance, minimal environmental impact, and compliance with the most stringent regulatory standards.

## Features

- Efficient Gas & Particle Removal - via contact between pollutants and scrubbing liquid.
- Multi-Stage Scrubbing System - with customizable configurations.
- Chemical Dosing Compatibility - for neutralizing acidic or alkaline gases.
- High-Efficiency Mist Eliminators (>98%) - to prevent water carryover.
- Recirculation System - with corrosion-resistant pumps and HDPE/SS piping.

## Benefits

- High Removal Efficiency across gases, vapors, and particulates.
- Versatile Pollutant Handling for VOCs, acid mists, and chemical fumes.
- Continuous Operation for 24/7 industrial environments.
- Reduced Water Consumption through integrated recirculation.
- Chemical Neutralization Capability ensuring safe emissions.

## Product Technical Specifications - Product Range

### 1. Airflow Capacity:

- 500 CFM to 60,000+ CFM

### 2. Filter Configuration:

- Pre-filter (G4), Carbon Filter (Optional)

### 3. Spray Nozzles:

- HDPE or SS anti-clog type

#### 4. Mist Eliminators:

- PP, FRP, PVC, G.I, or SS vane-type (>98% removal efficiency)

#### 5. Pump System:

- Centrifugal pumps designed as per flow rate and pressure head

## Product Construction Details

#### 1. Casing/Frame:

- Rigid, galvanized or powder-coated steel Stainless Steel, Aluminium
- Modular, double & single skin panel construction
- Extruded Aluminium Profile Frame Work (Thermal break & Non-Thermal break)

#### 2. Insulation:

- 25 mm to 50 mm thick insulation (Density-40 kg/m<sup>3</sup> (48 kg/m<sup>3</sup>, 64 kg/m<sup>3</sup>, 96 kg/m<sup>3</sup> - Optional) (PUF, Glasswool, Rockwool, PIR)
- Provides thermal insulation and acoustic insulation

#### 3. Base Frame:

- Heavy-duty steel or aluminum base
- Designed for floor mounting and vibration isolation

#### 4. Panels:

- Removable or hinged access doors
- Inner skin: galvanized steel (pre-coated or powder coated), stainless steel, aluminium
- Outer skin: pre-coated, powder-coated steel, stainless steel, aluminium

#### 5. Fan Section:

- EC or VFD-driven centrifugal fans
- Mounted on vibration-absorbing platforms
- Dynamically balanced for low-noise, high-efficiency airflow

#### 6. Filter Section:

- Pre-filter (G4) for dust removal
- Carbon Filter (Optional)

#### 7. Spray Chamber:

- Fitted with anti-clog spray nozzles, uniformly spaced to ensure even water or chemical distribution.

#### 8. Mist Eliminator Section:

- Vane-type eliminators made of PP, FRP, or PVC, G.I or SS to capture moisture droplets and prevent carryover.

#### 9. Recirculation System:

- Includes a corrosion-resistant pump, HDPE/SS piping, and a sump tank or reservoir for water reuse.

# Product Certifications

1. CE Certified : (EN ISO 12100:2010, EN 60204-1:2018)
2. ISO Certified : (ISO 9001:2015)

## Applications



Chemical Manufacturing



Pharmaceutical



Oil & Gas



Agrochemical & Fertilizer



Wastewater Treatment



Metal Finishing & Foundries

## Our Presence



## Sales & Support Offices

Ahmedabad | Bengaluru | Chennai | Delhi | Gurugram | Hyderabad | Jaipur | Kanpur | Kolkata | Mumbai | Pune

### Corporate Office

#### Gurugram

DLF Corporate Greens,  
Tower No. - 4, 12th Floor,  
Southern Peripheral Road,  
Sec - 74A, Gurugram -  
122004, Haryana

### Manufacturing Facilities

#### Haryana

O-1, O-5 and O-3/A,  
Old Industrial Area,  
Bahadurgarh-124507  
Haryana, India

#### Maharashtra

343 & 343/1/A,  
Village Lahe, Mumbai-  
Nashik Highway,  
Taluka Shahpur,  
Thane - 421603

#### Karnataka

Plot no. 124 to 127,  
3rd Phase, KIADB Industrial  
Area, Malur, Distt: Kolar,  
Karnataka - 563130

**Registered Office:** Office No. 105, First Floor, Padma Tower-I, Rajendra Place, New Delhi 110008



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