

Engineered Pollution Control Equipment & Systems

VOC abatement, dust collection and wastewater treatment equipment engineered around your process, airflow, load and emission target — from single units to complete turnkey systems.

RTO / TO / CO

Dust Collectors

Wastewater Treatment

Activated Carbon

After-sales Service

VOCs & Odor Control Equipment

Technology	Best suited for	Typical performance
RTO — Regenerative Thermal Oxidizer	Medium-to-high airflow VOC exhaust, continuous duty	Up to 99% destruction, up to 97% thermal recovery
TO — Thermal Oxidizer	High-concentration waste gas	High-temperature oxidation to CO ₂ and H ₂ O
CO — Catalytic Oxidizer	Medium-concentration, intermittent duty	Low-temperature catalytic oxidation, low energy
MW-UV — Microwave UV Oxidation	Low-concentration, high-volume malodorous gases (H ₂ S, mercaptans)	Odor abatement for wastewater, transfer stations, food
LTP — Low-Temperature Plasma	Low-concentration odor, wastewater & garbage deodorization	Fast start-up, simple operation
Oil & Gas Vapor Recovery	Tanker truck / railcar loading emissions	Gasoline & diesel vapor recovery

Activated Carbon

Coal-based, coconut-shell and honeycomb activated carbon for large-volume, low-concentration VOC and odor purification, or as pre-treatment / polishing for RTO and CO systems.

Dust Collection Equipment

Pulse-Jet Baghouse High- and low-temperature duty for silos, conveyors, crushers, screens, feed mills, boilers and kilns.	Plastic-Sintered Plate Collector Rigid cleanable media for sticky, abrasive or moisture-sensitive dust.
Cartridge Dust Collector Pleated cartridges for fine dry dust, woodworking and compact installations.	Silo Vent Filter & Accessories Point-source filtration plus screw conveyors, pulse valves, filter bags and components.

Wastewater Treatment Equipment

Integrated Systems Carbon steel, containerised and FRP units, 5–400 m ³ /d, with MBR options.	Lab & Hospital Wastewater Dedicated treatment units for laboratory and small hospital streams.
DAF & Sedimentation	Disinfection & Polishing

Dissolved air flotation and inclined-tube settling for physical-chemical pre-treatment.

Chlorine dioxide, sodium hypochlorite, ozone and UV disinfection.

Anaerobic Digestion

UASB / IC reactors for high-strength organic wastewater.

UF & Sludge Dewatering

Ultrafiltration systems and plate-and-frame filter presses.

Why Buyers Work With PollutionCtrl

RTO 95%+ heat recovery efficiency	RTO 99%+ destruction efficiency	0–110% operational load flexibility on installed systems	16 wastewater equipment lines with full specs
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We are an R&D, manufacturing, sales and service company focused on waste-gas treatment, dust collection and water treatment. Every system is engineered around your actual process data — airflow, composition, temperature, humidity, dust load and discharge target — not a standard catalogue box.

Reference projects include VOC treatment for petrochemical, pharmaceutical, painting and municipal odor applications, with systems designed for 8,000 annual operating hours and strict safety requirements.

What to Send Us for a Sizing Evaluation

Data point	Why it matters
Airflow (m³/h or cfm)	Determines equipment size and fan duty
Pollutant composition & concentration	Selects technology, media and safety features
Temperature, humidity, dust/mist	Affects heat recovery, condensation and filtration
Operating hours & emission limit	Sets design margins and compliance target

Request an evaluation

Send your project parameters and we will recommend a practical system and configuration — usually within one business day.

PollutionCtrl

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