



Ceramic Catalyst Filter Systems



For High NO_x Control 350°F to 700°F, Ultralow PM Levels

- One system for PM, NO_x, SO₂, HCl, dioxins, and mercury, or any combination
- Particle removal to below 0.001 grains/dscf
- For PM only, operating temperature 300°F to 1650°F
- For PM+NO_x, operating temperature 350°F to 700°F
- Up to 95% NO_x removal with catalyst filters and ammonia injection
- Over 90% SO₂, HCl, removal using dry sorbent injection

CCS® for Submicron Particulate PM10, PM2.5



Removes Particulate Down to 0.1 Micron and Below with Very High Efficiency, Also Ultrafine Particulate and Condensables

- Simultaneously removes HCl, HF, HNO₃, H₂SO₄, SO₂/SO₃, Cl₂, NH₃, H₂S, other soluble gases
- Low total energy use: less than 1.5" w.g. pressure drop
- Smoothly handles changes in flow volume; can be turned down over a wide range, typically 10:1 or better
- Easily accommodates changes in particle loading

Tri-NO_x® Multi-Chem® Scrubber Systems



For Any NO/NO₂ Ratio; Guaranteed Zero NO₂ Opacity at Stack

- 40-250,000+ CFM/hundreds of installations
- Non-catalytic system will not blind or poison.
- Concurrent scrubbing of SO₂, HCl, HF, HNO₃, Cl₂ and other residuals
- Polypropylene, PVC, 316L stainless steel, or fiberglass construction
- Can be integrated into particulate control technology if required
- Process instrumentation fully automated
- Inlet temperatures to 1100°F and above

Whirl/Wet® Dust Collector



For Soluble or Insoluble Particulate

- Medium-energy scrubber for 3 microns or larger
- 99% efficient over wide range of micron sizes
- Available in individual units constructed of mild steel, 304L and 316L stainless steel, and all-polypropylene (unique to industry); 100-50,000 CFM
- Low water use; low maintenance, no pumps or bags to clean

Tri-Flow Filter System



HEPA Level Performance with a MERV 16 Rating

- Efficiencies of 99.999% on 0.5 micron and larger particles (by weight)
- 2-3X the active filtration area, compared with similarly dimensioned filters
- Filter life 3-5X that of conventional bags or cartridges
- Low cost per cfm!

Tri-Flow Environmental Control Booth



Environmental Enclosures using Tri-Flow Filter Technology

- No hoods or ducting required.
- Tool-free filter access
- Tri-Flow Enclosures provide exceptional collection efficiency and high noise attenuation.

High Efficiency Fume Scrubbers

For HCl, HF, HNO₃, Cl₂, H₂S, Metal Finishing and Other Corrosive Applications



- Deep pack/high liquid recirculation rate units can achieve ppb level outputs
- Packed Bed Scrubbers with built-in mist elimination
- Crossflow Scrubbers: single or multiple stage

Fan/Separator®

For H₂SO₄ and Other Corrosive Fumes



- Packaged, stand-alone system
- Ideal for steel pickling plants or battery charging operations
- Low capital and operational costs – requires less than 10% of water used by competitive scrubbers and operates with 25% lower BHP requirement

Tri-Packs Tower Media



- Tri-Packs is the ultimate in random dump tower packing, providing maximum surface contact between gas and scrubbing liquid by facilitating continuous droplet formation throughout the packed bed.

Odor Control Scrubbers



For Food Processing, Industrial and Municipal Applications

- 35-500,000 CFM
- Wet scrubber process
- Zero odor at the stack

C/E-I Chrome Scrubber

99.5%+ Efficiency for Cr₆, Cr₃ Regardless of Loading



- All-mechanical pad system design does not use chemicals or generate waste.
- Capable of handling other fumes simultaneously

Custom-Fabricated Polypropylene Tanks

Lengths to 100 ft.



- For pickling, plating, etching, anodizing
- Also fume hoods, consoles
- Polypropylene, PVC, PVDF, stainless steel

Packed Bed Tower Scrubbers

For Gaseous Emissions



- NO₂, Cl₂, SO₂, also acid fumes, including H₂SO₄, HCl, HNO₃, and HF
- Can incorporate particulate control, gas quench, venturis, cartridge filters, carbon systems
- Combination systems for hot and cold gases



Since 1960

Tri-Mer
CORPORATION

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