Air Scrubber

CHEMICALS

CLEAN AIR. Cleaner Future.

CLEAN CHEMISTRY. Smarter Solutions.

GREEN FUTURE. Sustainable Results.

POWERFUL CHEMISTRY FOR CLEANER AIR AND A GREENER FUTURE.

Two-Stage Recirculating Packed Bed Wet Scrubber



SCRUBBER FORMULA

POWERFUL ODOR CONTROL | EFFECTIVE PERFORMANCE | ENVIRONMENTALLY RESPONSIBLE

PEROXIBASE II

SUPERIOR OXIDATION | ADVANCED CLEANING POWER | SAFER CHEMISTRY BETTER RESULTS

OXYCLARA AOP

MINERAL-OXYCHLORIDE

CLEAN AIR. CLEAN CHEMISTRY. GREEN FUTURE.

TRUSTED SOLUTIONS FOR INDUSTRY & MUNICIPAL APPLICATIONS



SCRUBBER FORMULA®

TWO-STAGE RECIRCULATING PACKED BED WET SCRUBBER SYSTEM

POWERFUL. SAFE. SUSTAINABLE. COST SAVING.

Scrubber Formula® is a highly concentrated, liquid odor control chemical specifically designed for recirculating packed bed wet scrubber systems to deliver superior malodor control and operational efficiency. Use as the sole scrubber chemical in both stages.

OCPE®
ODOR CONTROL PRODUCTS&EQUIPMENT

REPLACES:

- SODIUM HYDROXIDE (CAUSTIC SODA)
- SODIUM HYPOCHLORITE (BLEACH)
- CHLORINE DIOXIDE
- CHLORINE GAS
- ACIDS



HOW IT WORKS

Scrubber Formula® is metered and pumped into the acid washing port of each stage. The advanced formula neutralizes and captures foul air contaminants, controls odor-causing compounds, and supports a healthy microbial environment—delivering maximum performance and long-lasting results.

- **Superior Malodor Control** –100% removal of H_2S, ammonia, VOCs, and other tough odors
- **Eliminates Chlorinated By-Products**
- **No Excess Sodium in Discharge**
- **Reduces Scaling and Corrosion**
- **Lower Maintenance and Operating Costs**
- **Safe, Non-Toxic, Non-Hazardous, and Sewer Disposable**

CHEMICAL FEED SYSTEM

Chemical is metered and pumped into the acid washing port on each stage via 1/4" or 3/8" line using a peristaltic chemical metering pump.



Zero Odors 100% Odor Removal | Cost Savings 20%-60% | No Chlorinated By-Products | No Scaling No Corrosion | Low Maintenance High Efficiency | Safe, Non-Toxic Sewer Disposable | Green & Sustainable



55-GALLON DRUM

$2,250.00
EACH



275-GALLON IBC TOTE

$9,950.00
EACH

FORMULATED WITH:

- Hydrogen Sulfide Oxidizing Bacteria
- Gas Wetting surfactants and Silicone Defoamer
- Microbial Odor-controlling Consortia
- Zinc Ricinoleate
- Inclusion Clathrate Odor Encapsulator
- Trade Secret Plant-based odor control technologies. 90%+ odor removal.
- Phenyl-propanol
- Essential Oils, Plant Terpenes, Botanicals, and Extracts

OCPE®
ODOR CONTROL PRODUCTS&EQUIPMENT

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Email: sales@municipalodorcontrol.com
Web: www.municipalodorcontrol.com

AIR SCRUBBER

Two-Stage Recirculating Packed Bed Wet Scrubber

Peroxibase II™

• Clean Air. | Clean Chemistry. | Green Future.

OCPE® ODOR CONTROL PRODUCTS & EQUIPMENT



BENEFITS

- Eliminates Chlorinated By-Products.
- Reduces or Eliminates Excess Sodium to Deep Well Injection Sites.
- Does Not Create Scaling.
- Lowers Chemical Footprint.
- Cost Savings of 35–50% or more.
- Superior Odor Control.

FORMULATED WITH:

- 12–15% Hydrogen Peroxide
- Gas Wetting Surfactant
- Industrial Grade Peroxide Stable Deodorizer Comprised of Essential Oils and Plant Terpenes
- Silicone Defoamer



Premium ingredients work synergistically for maximum odor control and long-term performance.



275 GALLON IBC TOTE
$4,925.00 EACH
SOLE SOURCE PURCHASE

HOW PEROXIBASE ÏI CONTROLS HYDROGEN SULFIDE

Peroxibase II uses advanced oxidation chemistry to rapidly eliminate hydrogen sulfide (H_2S) in the scrubber water.

1. **ABSORPTION:** H_2S is absorbed from the contaminated air stream into the recirculating water in the first stage.
2. **OXIDATION:** Hydrogen peroxide in Peroxibase II quickly oxidizes dissolved H_2S.
3. **CONVERSION:** H_2S is converted to harmless sulfate, water, and hydrogen ions.

REACTION EQUATIONS

Direct Oxidation (Neutral/Acidic):

$$H_2S + H_2O_2 \rightarrow S^0 + 2H_2O.$$

Complete Oxidation (Alkaline):

$$H_2S + 4H_2O_2 \rightarrow SO_4^{2-} + 2H^+ + 4H_2O$$

HOW IT WORKS

Peroxibase II is metered and pumped into the acid washing port of each stage. The advanced formula neutralizes and captures foul air contaminants, controls odor-causing compounds, and supports a healthy microbial environment—delivering maximum performance and long-lasting results.

- **Superior Malodor Control** – 100% removal of H_2S, ammonia, VOCs, and other tough odors
- Eliminates Chlorinated By-Products
- No Excess Sodium in Discharge
- Reduces Scaling and Corrosion
- Lower Maintenance and Operating Costs
- Safe, Non-Toxic, and Sewer Disposable

CHEMICAL FEED SYSTEM

Chemical is metered and pumped into the acid washing port on each stage via 1/4" or 3/8" line using a peristaltic chemical metering pump.



- **Works at Lower ORP Levels** 200–600 millivolts
- **Reduces Water Consumption** Efficient chemistry requires less water for optimal performance
- **Works on Both Acidic and Alkaline Conditions** Effective across a wide pH range for maximum versatility



55-GALLON DRUM

$2,250.00 EACH

Zero Odors 100% Odor Removal | Cost Savings 35–50% or more | No Chlorinated By-Products | No Scaling No Corrosion | Low Maintenance High Efficiency | Safe, Non-Toxic Sewer Disposable | Green & Sustainable

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OxyClara AOP

MINERAL-OXYCHLORIDE

ROS TECHNOLOGY • ODOR & CORROSION CONTROL

OCP&E
ODOR CONTROL PRODUCTS & EQUIPMENT

ADVANCED OXIDATION ODOR CONTROL

Mineral-Oxychloride • Packed Bed Wet Scrubbers



HOW OXYCLARA WORKS

1. **ABSORB:** Hydrogen sulfide transfers from the air stream into the recirculating scrubber solution.
2. **OXIDIZE:** OxyClara chemically oxidizes dissolved sulfide to help control odor.
3. **CONTROL:** Metered feed maintains treatment as operating conditions change.

CHEMICAL FEED & CONTRIL



ORP sensor → controller → chemical metering pump

Set feed rate and control targets through site-specific testing.

APPLICATIONS

- Packed bed wet scrubbers
- RO degasifier scrubbers
- Lift stations & headworks

MUNICIPAL & INDUSTRIAL ODOR CONTROL

- Direct chemical oxidation
- Automated metered dosing
- Drum and tote supply
- Site-specific treatment optimization



55-GALLON DRUM

$1,897.50

EACH

$34.50 per gallon



275-GALLON TOTE

$9,487.50

EACH

$34.50 per gallon

HOW ADVANCED OXIDATION CONTROLS H_2S

OxyClara oxidizes dissolved hydrogen sulfide to reduce rotten-egg odor. Sulfide can convert to elemental sulfur or sulfate, depending on dosage, pH and treatment conditions.

OCP&E
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