

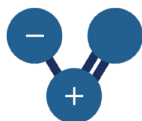
Gamma | Oxidizing Agent Destruction

Hydrogen peroxide removal is critical to protect water reuse assets or achieve discharge compliance. Gamma systems offer unrivaled oxidant destruction in wastewater streams, optimizing water reuse strategies and ensuring compliance for manufacturing including microelectronics. Deployed Gamma systems reduce peroxides and other oxidants from elevated concentrations >80g/L down to sub-ppm levels.

Gamma systems harness intelligent design and catalytic media to process peroxide into oxygen and/or water with no other byproducts to pollute or foul downstream processes. Gamma systems also process ozone, chlorine, and chloramine. ElectraLink® is incorporated to provide real time analytics and process controls.



Peroxide (H₂O₂)



Ozone (O₃)



Chlorine (Cl₂)



Chloramine (CL-NH₂)

Parameter	Specifications
Power	120 - 480 VAC, 1 - 3 Phase
Pressure	2 - 45 psig
Automation	Fully automated
Operation	Flow control
Data Monitoring	Flow, pressure, ORP, others
Integration	Agnostic to SCADA/BMS systems
System Flow Rate	0.1 gallons/hour to 1600 gallons/hour
H ₂ O ₂ Removal	~80 g/L remediated to <10 mg/L
H ₂ O ₂	~10 mg/L to <1 mg/L
Chlorine	~10 mg/L to <0.015 mg/L
Chloramines	~10 mg/L to <0.015 mg/L
Ozone	~100 mg/L to <0.015 mg/L
Water Recovery	100%
Waste Generation	None
Selectivity	up to 100%, depending on feed stream characteristics