

ARRADIANCE Ozone Generator



Molecular Innovation

The Arradiance Ozone Generator is designed to deliver over 14 wt/wt % O₃ process gas at < 1psia for high-purity ALD systems. Dosage, Gas flow, Power, and O₃ concentration level easily controlled and programmable via GEMFlow™ software.



- ◆ Low Cost of Ownership
- ◆ High-Purity, High-Concentration O₃ Process Gas
- ◆ Remote software control of all system functions
- ◆ Rapid initial setup (total installation & setup time < 15 min)
- ◆ O₃ concentration controllable directly in the GEMFlow™ recipe

Built-in safety features to monitor system status and move to a safe mode upon error detection. Emergency Off DB9 port supports EMO or other safety shutdown requirements

Ozone Generator Specifications

Compatibility	All GEMStar Systems
O ₃ Gas Concentration	14 - 17 wt/wt %
O ₃ Gas Delivery Flow	0 - 1,000 sccm (Adjustable)
O ₃ Gas Delivery Pressure	Vacuum - 1 psia
O ₃ Gas Exhaust Flow	50 sccm
Input Gas	Oxygen or N ₂ /O ₂ mix
Input Gas Pressure	25-300 psig
Gas Connection Ports	1/4" Swagelok VCR Fittings, Male
System Dimensions	11" H x 13" W x 24" D
System Weight	75 lb
Ozone Destruct Unit	YES - Included
Shell Material	304 SS
Install Time	< 15 min
Generator Startup time (from OFF to full O ₃ conc.)	< 2 min
Power Requirements	ARR-850730 120V AC 50/60HZ 6.0A
	ARR-850750 230V AC 50/60HZ 6.0A

Lowest cost of ownership on the market

- 50X less gas consumption than comparable O₃ systems
- Typical savings \$5,000++ per year in gas consumption alone*
- No Consumables or chemical disposal costs
- Auto OFF function ensures no accidental O₂ waste



*Based on 3 scfh consumption systems = ~20 ct. O₂/N₂ Cylinders/year, \$260/Cylinder