

16 g/hr ozone from oxygen, 8 g/hr ozone from dry air

16 gm/hr Ozone Generator

SR-16 Ozone Generator creates high concentration of ozone for water treatment or chemical synthesis applications.



Features

- efficient ozone production
- high ozone output (up to 16 gm/hr on O₂)
- no cooling water required
- simple operation
- CSA certified

Product ID: **SR-16**
 In Stock: **Yes**
 Price: **\$2595**

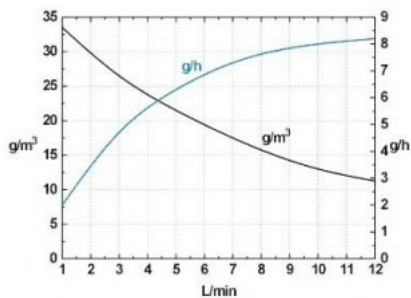
Options

Switch	10-Position Switch	\$150
220V	220V/50Hz Power Option	\$150

Specifications

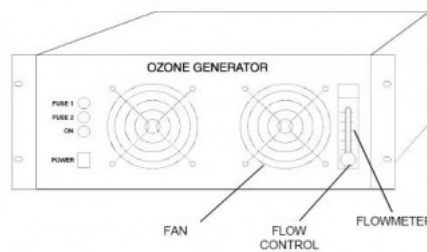
Ozone Generation: Corona discharge
 Process Gas: Dry air or oxygen, free of dust and oil.
 Pressure: ±5 psi.
 Cooling: Ambient air ±40°C, max. 85% R.H. - no air-flow through corona chambers required for cooling - no cooling water required
 Power: 100-120V, 50/60Hz, 220W.
 Output/Input: 1/4" stainless steel slip connection
 Warranty: one-year parts & labor
 Ozone Production: 8-g/h from dry air at 8 L/min dry air flow. Approximately 16-g/h from 8 lpm of oxygen feed. (1 L/min = 2 SCFH)
 Safety: Protected against 150% continuous overvoltage & shuts down when voltage drops below 100 V. Resumes ozone production when voltage is restored.
 Dimensions: 17-in x 14-in x 7-in (WxLxH) 431mm x 355mm x 177mm
 Weight: 23-lbs (7-kg)

SR-16 Performance Chart on Dry Air



The chart shows the output with dry air feed gas. Ozone production increases (blue line) and ozone concentration decreases (black line) as flowrate increases. The black line corresponds with the left axis and the blue line corresponds with the right axis.

SR Ozone Generator Components



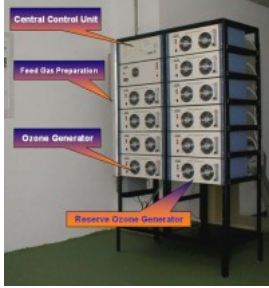
A diagram of the SR front panel shows the simplicity of the ozone generator. Flowrate is easily controlled with a flowmeter & flow control. Large cooling fans blow over 200-CFM of air across the corona chambers to ensure they stay cool even with no feed gas moving through the unit!

SR-16 Inlet & Outlet Connections



The feed gas inlet connection is 1/4" 316L stainless steel slip connection. The ozone outlet is also 1/4" 316L stainless steel slip. 1/4" ID hose slips right on.

Ozone Generators with Central Control Unit



9 ozone generators are independently generating different ozone concentrations to 9 separate areas. A central control unit allows quick viewing of the status of each unit as well as feed gas dewpoint status & ambient relative humidity.

Air Dryers on the opposite side remove moisture and ensure a clean feed gas going into each unit for consistent ozone output for many years.

A reserve ozone generator functions as backup if a quick replacement is ever needed.