

# Generates Ozone Concentrations up to 14%

## Rent this High Concentration Ozone Generator

The High Concentration HC-30 Ozone Generator is available for short or long term rental for your ozone related project. Whether you want to see if ozone will work for your application without committing to a purchase, or just fulfilling a short term need, this unit may be the perfect solution.

This unit produces ultra-high ozone concentrations (>14%) on an air cooled chassis. High ozone concentrations are needed for chemical synthesis and R&D applications to prevent the sample from drying out.

We can ship this unit anywhere in the US, Mexico, or Canada for rental needs. Reduced rental rates are also available for longer period of times, call for details.



### Features

- Reduced rates for longer term rentals available
- Cost effective ozone generator rental
- Only oxygen and electrical power is required for operation
- High Concentration: 6-14% - Ideal for chemical synthesis & laboratory research
- Low O2 Requirement: 1-6 lpm – saves on size of O2 concentrator and/or reduces O2 bottle replacement
- Only 14-in x 14-in x 5.7-in! - saves valuable lab bench space
- Inject ozone directly into a pressurized water line - no venturi required

Product ID: **HC-30 Rental**  
 Stock: **Yes**

### Specifications

Rental Terms:	Rental period starts when unit arrives, and ends when it is shipped back. The shipping time does not count against the rental period.
Availability:	We have 1 HC-30 Ozone Generator for rent. Please call to ensure availability or to schedule a delivery date.
Shipping Method:	System ships via UPS, Fed-Ex, or USPS in a heavy duty cardboard box.
Return Shipping:	HC-30 is shipped in a sturdy box, with all reusable shipping materials. Simply repackage the HC-30 and ship back via and standard parcel service.
Shipping Cost:	Please use the calculate shipping option on the top of this page.
Shipping Weight:	30 lbs

### [b]Product Specifications[/b]

Ozone production	30 gm/hr at 6 lpm O2 flow
Feedgas Requirements	Only oxygen - 90% minimum concentration (0.05 - 6 lpm)
Operating Pressure	5-50 PSI
Input Control Signal	4 – 20 mA standard, 0-10 V optional - controls output from 0-100%
Power consumption @ 100% output	400 Watts
Power Requirements	120V/60Hz 4-Amp - 220V/50hz versions available
Air cooling flow	106 CFM
Chassis Construction	304 Stainless Steel (SS) with SS rivets
External inlet/outlet connections	1/4-in Swagelok
Inner Tubing & Connections	PTFE & 304 SS Construction

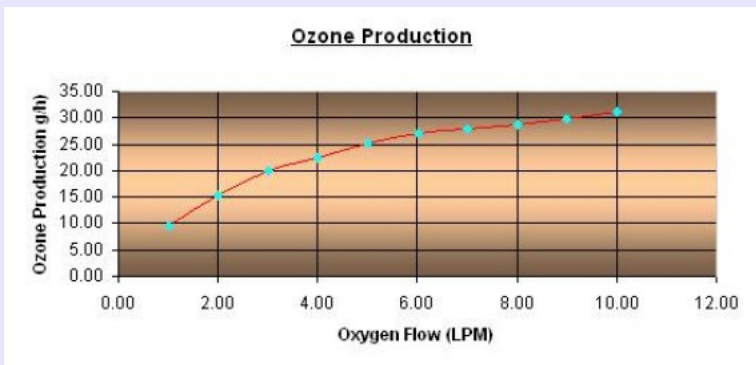
Warranty: 1-year  
 Weight: 27-lbs (12.3-kg)

## HC-30 Performance

#	OXYGEN FLOW (SLPM) 90-92%	GAS PRESS. (psig)	CURRENT POT POSIT.	OZONE CONC. (g/Nm <sup>3</sup> )	OZONE PRODUCTION (g/h)	OZONE CONC. (%W-W)	COMMENT
1	1.00	20.00	70.00	175.80	9.44	11.82	
2	2.00	20.00	80.00	142.30	15.40	9.64	
3	3.00	20.00	80.00	121.80	19.86	8.29	
4	4.00	20.00	90.00	103.10	22.51	7.05	
5	5.00	20.00	90.00	92.10	25.20	6.31	
6	6.00	20.00	100.00	82.10	27.02	5.64	
7	7.00	20.00	100.00	72.20	27.78	4.97	
8	8.00	20.00	100.00	65.30	28.76	4.50	
9	9.00	20.00	100.00	59.90	29.72	4.13	
10	10.00	20.00	100.00	56.70	31.28	3.92	

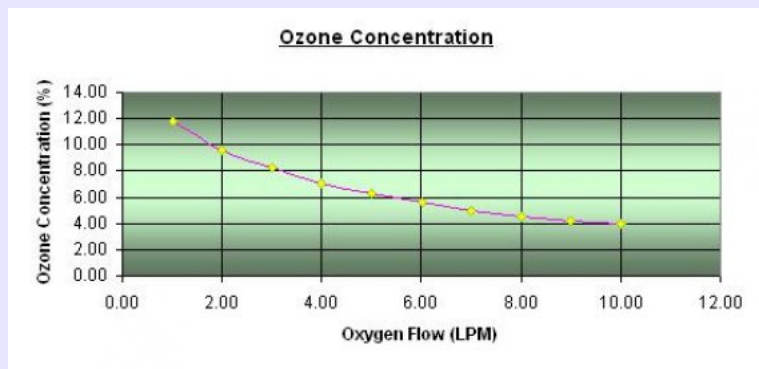
Performance chart shows the relation of the oxygen flow to concentration and ozone output.

## HC--30 Production Graph



Graph shows the ozone production in g/hr of the HC-30. The oxygen flow rate is shown on the bottom in Liters/Minute

## HC-30 Concentration Graph



This graph shows the concentration of the ozone in relation to the oxygen flow. The HC-30 is capable of over 14% by wt. ozone.