

OZOMATIC Modular HC

The OZOMATIC series Modular 4 HC, 8 HC and 16 HC are small air-cooled plate ozone generators for oxygen as the feed gas. The dielectric is plain ceramic. The discharge electrodes are made of tungsten.

The ozone generators are very compact. Maximum power consumption is about 95 W, 175 W and 350 W. Maximum obtainable ozone concentration exceeds 250 g/Nm³. Power settings via potentiometer.

The Ozomatic HC series can be operated under laboratory as well as industrial conditions. Direct upscaling to large oxygen fed ozone generators qualifies the Ozomatic HC for ozone application tests.

Ozomatic also offers complete laboratory equipment for this purpose.



OZOMATIC Ozone Generator Modular HC

Technical Data OZOMATIC	Modular 4 HC	Modular 8 HC	Modular 16 HC
line voltage [V]	230 AC	230 AC	230 AC
line frequency [Hz]	50/60	50/60	50/60
power consumption [W]	95	175	350
ambient temperature	5° - 35°C	5° - 35°C	5° - 35°C
feed gas	oxygen	oxygen	oxygen
flow rate [l/min]	0.1 - 1	0.2 - 4	0.4 - 8
nominal ozone production [g/h] (typical at 20°C ambient temperature and 0,5 bar operating pressure)	4	8	16
nominal concentration [g/Nm ³]	100	100	100
max. concentration [g/Nm ³]	> 250	> 250	> 250
operating pressure	0,5 bar (g)	0,5 bar (g)	0,5 bar (g)
max. pressure	1 bar (g)	1 bar (g)	1 bar (g)
cooling	air	air	air
dimensions (w x h x d) [mm]	600 x 600 x 200	600 x 600 x 200	760 x 760 x 300
weight [kg], approx.	35	40	70
control range	5 - 100%	5 - 100%	5 - 100%
controls	PSA oxygen generator circulation pump		
components (standard)	pressure gauge / pressure regulator flowmeter with needle valve pot. free contact solenoid valve		
components (option)	PSA oxygen generator ozone injection with pump / injector measurement techniques residual ozone destructor stainless steel quality		