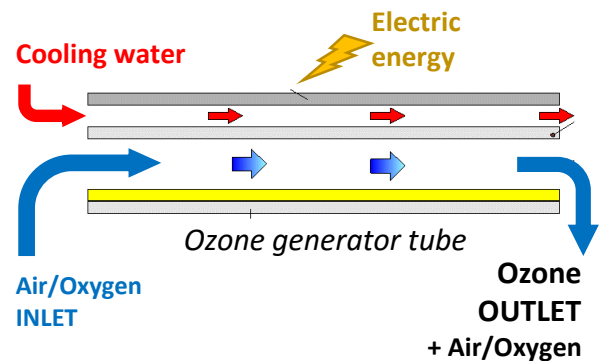


GEO Series - OZONE GENERATOR

Ozone generator model GEO is the most advanced technology dedicated to high concentration ozone generation with oxygen or dry air feeding.

The ozone is generated using a dehydrated gas that contains oxygen, which is transformed through an electric discharge created between two electrodes. The discharge causes the dissociation of some of the oxygen molecules necessary for the formation of ozone.



The standard equipment of these machines are:

- Light line voltage, light of stop inverter, light thermal inverter protection;
- Gas inlet flow and pressure regulator;
- Operation and suction barometer
- Emergency button , electric line switch;
- Automatic safety valve on the supply line;
- Inverter local potentiometer local or 4-20mA contact (on request)

Provided with **REGULATOR** production ozone inverter

Suitable for a **CONTINUOUS USE** :

- Water cooling (drinking water at $T < 20^{\circ}\text{C}$)
- Automatic safety valve on the supply line

Gas feed inlet:

- Compressed air (oil-free and @ 7 bar) ;
- Oxygen (> 97 % O₂)



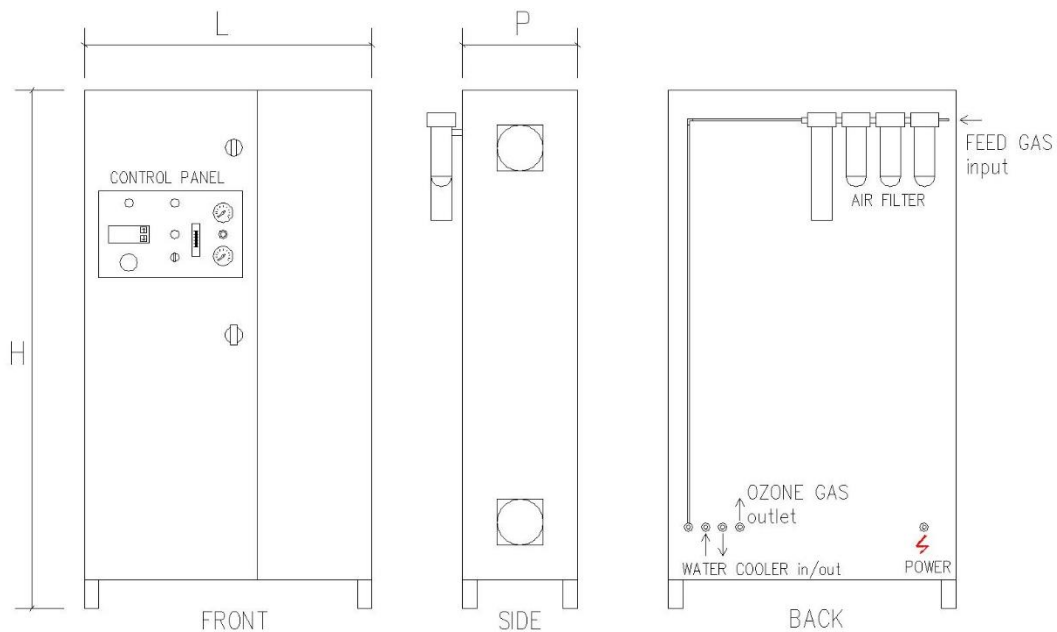
The standard air filter equipment:

- 3 micro filter oil-screamer (5 μm , 0.3 μm e 0.01 μm)
- 1 membrane air dryer



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GEO Series – Model and specifications



FEED GAS = Compressed Air (1)	Unit	GEO 25	GEO 50	GEO 100	GEO 200
Max. Ozone Production	(g/h)	25	50	100	200
Normal Compressed air consumption	(l/min)	17	34	68	136

FEED GAS = Oxygen (2)	Unit	GEO 25	GEO 50	GEO 100	GEO 200
Max. Ozone Production	(g/h)	31 - 50	62 - 100	124 - 200	248 - 400
Oxygen consumption (Min-Max)	(l/min)	5 - 14	10 - 28	20 - 56	40 - 112

Technical Specifications	Unit	GEO 25	GEO 50	GEO 100	GEO 200
Electrical supply	(V - Hz)	230V-50Hz (230V-60Hz on request)			
Power consumption	(KW ± 2%)	0,75	1,50	3,00	6,00
Dimensions - L X P X H	(mm)	1.000 x 400 x 1.700		1.000 x 700 x 1.600	
Weight	(Kg)	120	130	200	350
Gas connection		FEED GAS inlet 1/4" - OZONE outlet GAS inlet 1/4"			
Cooling water connection	inlet-outlet	1/4"		1/2"	
Cooling water consumption	(l/h)	80	120	210	500

(1) Compressed air feed: P min = 7-8 bar, oil-free and air temperature <40°C (using air filter equipment)

(2) Oxygen feed: P = 1-1,5 bar; oxygen purify > 90%; dew point <- 65°C at atmospheric pressure (not using air filter equipment)

-Cooling water characteristics: Potable water; Chlorides: < 100 [mg]/l; Temperature <20 °C



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