

OZONE GENERATOR



DISINFECTION

1. Bottled Water Industry.
2. Processed Water
3. Cooling Tower Recycling
4. Swimming Pool Recycling
5. Water Storage Tanks
6. Sea Water Desalination



B.O.D. & C.O.D. REMOVAL IN INDUSTRIAL

WASTEWATER/EFFLUENT WATER

1. Textile Effluent, Tannery Effluent, Oil & Gas Industry, Pharmaceutical Industry, Paper & Pulp Industry
2. Wastewater treatment in House Hold application
3. Municipal Wastewater Treatment.
4. Breweries & Distillery effluent.
5. Fish & Hatcheries

COLOUR REMOVAL

1. Colour Removal in Textile Dye Effluent.
2. Paint Industries
3. Heavy Metal Oxidation



OZONE GENERATION

OZONE is the most powerful commercial oxidant in the World. It has been used primarily as for Waste water disinfections and malodorous off-gases from waste water treatment plants. Ozone must be generated on site for immediate use, this is best done through an ozone generator. The advantage of ozone for commercially treating waste water is that it destroys bacteria, inhibits algae growth and reduces scaling. It has a faster reaction rate than chemicals and only oxidation not chlorination takes place.

The oxygen gas or air from the preparatory system or oxygen concentrator is pass through a narrow gap or annulus are bordered on one side by a cool stainless steel grand electrode and on the other side by a dielectric electrode surfaced with an electrical conductor.

An alternating current of high voltage is connected to the dielectric electrode, producing a high voltage field across the gap which results in corona discharge. The dielectric is necessary to prevent the micro discharges from becoming arcs , which would rapidly destroy the electrode surfaces.



TECHNICAL FEATURES

1 - 50 Kg / hour Ozone Generator with air source (Large type 1 - 50 Kg/hour)

Type	Ozone Capacity	Feed Gas Flow	Ozone Concentration	Cooling Water Flow	Power Consumption	Dimension	Weight
	Kg/h	Nm3/h	Wt%	m3/h	kWh/KgO2	L X B X H mm	Tons
SCCI-OZ-2-1Kg	1	26-39	2-3	3-4	14-17	2100x900x1800	1.4
SCCI-OZ-2-2Kg	2	52-77	2-3	6-8	14-17	2000x1800x1800	2.1
SCCI-OZ-2-3Kg	3	77-115	2-3	9-12	14-17	2400x2100x1900	2.7
SCCI-OZ-2-4Kg	4	105-155	2-3	12-16	14-17	3000x2100x1900	3.5
SCCI-OZ-2-5Kg	5	130-195	2-3	15-20	14-17	3000x2400x2120	4.6
SCCI-OZ-2-6Kg	6	155-230	2-3	18-24	14-17	3000x2600x2120	5.4
SCCI-OZ-2-8Kg	8	205-310	2-3	24-32	14-17	3600x2700x2120	7.8
SCCI-OZ-2-10Kg	10	260-390	2-3	30-40	14-17	3600x2800x2120	9.1
SCCI-OZ-2-15Kg	15	390-580	2-3	45-60	14-17	4800x3200x2500	11.8
SCCI-OZ-2-20Kg	20	515-775	2-3	60-80	14-17	4800x3600x2600	14.5
SCCI-OZ-2-25Kg	25	645-970	2-3	80-100	14-17	4800x4000x2700	18
SCCI-OZ-2-30Kg	30	775-1160	2-3	100-120	14-17	6000x4000x2700	21
SCCI-OZ-2-40Kg	40	1030-1550	2-3	120-160	14-17	6000x4400x2800	24
SCCI-OZ-2-50Kg	50	1290-1935	2-3	150-200	14-17	7200x4800x2900	28

1 - 100 Kg/h Ozone Generator with Oxygen Source (large type 1 - 100 Kg/h)

Type	Ozone Capacity	Feed Gas Flow	Ozone Concentration	Cooling Water Flow	Power Consumption	Dimension	Weight
	Kg/h	Nm3/h	Wt%	m3/h	kWh/KgO2	L X B X H mm	Tons
SCCI-OZ-2-1Kg	1	7-10	7-10	1.5-2	7-10	1400x800x1700	0.9
SCCI-OZ-2-2Kg	2	14-20	7-10	3-4	7-10	2100x900x1800	1.5
SCCI-OZ-2-3Kg	3	20-29	7-10	5-6	7-10	2400x1600x1900	2
SCCI-OZ-2-4Kg	4	27-39	7-10	6-8	7-10	2400x2100x1900	2.5
SCCI-OZ-2-5Kg	5	34-49	7-10	8-10	7-10	3000x2000x1900	2.7
SCCI-OZ-2-6Kg	6	41-59	7-10	10-12	7-10	3000x2000x2120	3.1
SCCI-OZ-2-8Kg	8	54-78	7-10	13-16	7-10	3000/3600 x 2300 x 2120	4.2
SCCI-OZ-2-10Kg	10	68-98	7-10	17-20	7-10	3000/3600x2500x2120	4.9
SCCI-OZ-2-15Kg	15	100-145	7-10	25-30	7-10	3600/4200 x 2700 x 2120	7.8
SCCI-OZ-2-20Kg	20	135-195	7-10	30-40	7-10	3600/4800 x 2800 x 2120	9.4
SCCI-OZ-2-30Kg	30	205-295	7-10	50-60	7-10	4800x3300x2500	12.5
SCCI-OZ-2-40Kg	40	270-390	7-10	60-80	7-10	4800x3600x2600	16
SCCI-OZ-2-50Kg	50	340-490	7-10	80-100	7-10	6000x3800x2700	20
SCCI-OZ-2-60Kg	60	405-585	7-10	100-120	7-10	6000x4200x2800	23
SCCI-OZ-2-80Kg	80	540-780	7-10	130-160	7-10	7200x4500x2800	27
SCCI-OZ-2-100Kg	100	675-975	7-10	150-200	7-10	7200x4800x3000	31



CANADIAN CRYSTALLINE WATER INDIA LTD

No. 7, Paarivakkam Road, Leelavathy Nagar, Senneerkuppam, Chennai - 600 056, India

Ph : +91-44-28362461 - 71, Fax : +91-44-2836 2470, Toll Free : 1800 425 20000

E-mail : info@canadiancrystalline.com | Website : www.canadiancrystalline.com