

Technical Specification:

Model no.	:	Air Cooled - IOS/SWP - 02 ; 04 ; 07 ; 10 ; 15 - CA Water Cooled - IOS/SWP - 15 ; 25 ; 35 ; 40 ; 50 ; 65 ; 75 ; 95 110 ; 135 ; 155 ; 170 - CW
Make	:	Chemtronics®
Feed gas	:	Pure dry oxygen
MOC of ozone cell	:	SS 316 / Ceramic / PTFE / Quartz / Enamelled
Cell cooling	:	Air Cooled – Internally & Externally forced air cooled Water cooled – internally & externally water cooled
Power supply	:	Switch Mode Power Supply (SMPS)
Power amplifier	:	MOSFET / IGBT Technology
EHT	:	Ferrite Based forced air cooled
Dielectric	:	Precision Enamelled / Ceramic / Quartz
Enclosure – MOC	:	Carbon Steel
Enclosure –Finish	:	RAL7035, structure powder coating
Indicator	:	Power + Standby + Ozone ON
Variable control	:	25 % - 100 % (Internal)
Service indicator	:	Non resettable hour meter
Operating temperature	:	20°C – 35°C
Specified life	:	20,000 Working Hrs
Mounting/Installation	:	Floor
Line voltage	:	230 v ac /50 Hz(180 -250 v) I phase
Operation	:	Automatic



Sensors:

Standard ▶

- Cooling water flow sensor : Magnetic

Optional ▶

- ORP controller : Digital online
- Oxygen humidity sensor : Digital online
- Oxygen purity meter : Digital online
- Dissolved ozone monitor : Digital online
- Oxygen gas flow sensor : Magnetic / Optical flow switch

Protection & Safety:

Power Board Protection ▶

- Line voltage surge and spike
- Delayed soft start & soft off
- Over temperature & protection
- Over current
- Under voltage
- Over voltage
- High voltage short circuit
- High Voltage open circuit

Accessories:

Standard ▶

- Oxygen tubing : MOC – Polyurethane [PU] - 03 meter
- Ozone tubing : MOC – Polypropylene [PP] - 03 meter

Enclosure ▶

- UL certified & CE marked
- Electrical & Electronics - IP 54
- Ozone cell – IP 65

Back Flow Preventor

Optional ▶

- Enclosure : Stainless Steel - Grade 304
- Pump : Stainless Steel - Grade 316
- Cooling system : Cooling Tower / Water Chillier



Commercial Grade – Air Cooled – Oxygen Feed

Model No.	Ozone [G/hr]	Swimming Pool Volume [m ³]				Oxygen Flow [Nm ³ /hr]	Ozone Mass Tr. Tank {Ltrs.} Optional	Side Stream Pump [m ³ /hr]	Ventury [Inch]	Dimension (LxWxH) [m]	Power [Kw]
		0.2 ppm	0.3 ppm	0.4 ppm	0.5 ppm						
IOS/SWP-02 C	1.5 - 2.5	12	8	6	5	-	-	-	1.0	1.0 x 0.5 x 1.0	0.6
IOS/SWP-04 C	2.5 - 3.5	17	12	9	7	0.3	-	-	1.0	1.0 x 0.5 x 1.0	0.7
IOS/SWP-07 C	5.0 - 7.0	35	23	17	14	0.3	-	-	1.0	1.0 x 0.5 x 1.0	0.7
IOS/SWP-10 C	8.0 - 10.0	50	33	25	20	0.3	-	-	1.0	1.0 x 0.5 x 1.0	0.9
IOS/SWP-15 C	10.0 - 13.0	65	43	32	26	0.3	-	-	1.0	1.0 x 0.5 x 1.0	0.9

Commercial Grade - Water Cooled – Oxygen Feed

IOS/SWP-15 C	12.0 - 16.0	75	50	38	30	0.3	55	2.0	1.0	2.0 x 1.0 x 1.0	1.2
IOS/SWP-20 C	16.0 - 20.0	100	67	50	40	0.3	55	2.0	1.0	2.0 x 1.0 x 1.0	1.5
IOS/SWP-25 C	20.0 - 25.0	125	83	63	50	0.3	55	2.0	1.0	2.0 x 1.0 x 1.0	1.5
IOS/SWP-35 C	30.0 - 35.0	175	120	88	70	0.3	55	2.0	1.0	2.0 x 1.0 x 1.0	1.5
IOS/SWP-40 C	32.0 - 38.0	190	127	95	76	0.3	55	2.0	1.0	2.0 x 1.0 x 1.0	2.0
IOS/SWP-50 C	40.0 - 5.0	250	167	125	100	0.6	125	4.0	1.0	2.5 x 1.0 x 1.0	2.5
IOS/SWP-65 C	55.0 - 65.0	325	220	162	130	0.6	125	4.0	1.0	2.5 x 1.0 x 1.0	2.8
IOS/SWP-75 C	70.0 - 75.0	375	250	187	150	0.6	125	4.0	1.0	2.5 x 1.0 x 1.0	3.3
IOS/SWP-95 C	80.0 - 95.0	475	320	237	190	0.9	235	8.0	1.5	2.5 x 1.2 x 2.0	4.3
IOS/SWP-110 C	100.0 - 110.0	550	367	275	220	0.9	235	8.0	1.5	2.5 x 1.2 x 2.0	4.5
IOS/SWP-135 C	120.0 - 135.0	675	450	338	270	1.2	235	12.0	1.5	2.5 x 1.2 x 2.0	5.7
IOS/SWP-155 C	145.0 - 155.0	775	515	390	310	1.5	300	4.0 X 2	1.5 X 2	3.0 x 1.5 x 2.0	6.4
IOS/SWP-170 C	160.0 - 170.0	850	567	425	340	1.8	300	4.0 X 2	1.5 X 2	3.0 x 1.5 x 2.0	6.8

- Specification is subject to change for improvement without prior notice. - Picture may differ from actual supplied product.

Scope of Supply:

- Ozone Generator - IP 65 + IP 54 [CE + UL enclosure] : 01 no.
- Oxygen concentrator - Industrial Grade : 01 - 06 nos.
- Ozone Mass Transfer Tank - Stainless Steel 316 : 01 no. [In select models]
- Ozone Mixing Pump [Sea water/Ozone compatible] : 01 - 02 nos.
- Ventury - Stainless Steel - Grade 316 | PVDF [KYNER] : 01 - 02 nos.
- Static Mixture - Stainless Steel - Grade 316 : 01 - 02 nos.
- Anti-oxidant ozone tubing - PP / PTFE : 05 meters.
- Oxygen Tubing - PU : 05 meters.
- Non Return Valve - Stainless Steel - Grade 316 : 01 no.
- Back Flow Preventer - SS 304 + Anti Oxidant : 01 no.
- Skid - Stainless Steel - SS 304 : 01 no.
- Un-dissolved Ozone Vent : 01 no. [In select models]
- Un-dissolved Ozone Destruct : 01 no. [In select models]
- Ozone Cell Cooling System : 01no.
- Control Panel - IP 65 - CE + UL : 01no.