

Technical Specification:

Model no.	: Air Cooled - IOS/WW - 05 ; 07 ; 10 ; 12 ; 15 ; 20 Water Cooled – IOS/WW - 25 ; 30 ; 35 ; 40 ; 55 ; 70 ; 80 ; 90 ; 100 ; 120 ; 140 ; 160 ; 180 - W
Make	: Chemtronics [®]
Feed gas	: Pure dry oxygen
MOC of ozone cell	: SS 316 / Ceramic / PTFE
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 Technology
EHT	: Ferrite based forced air cooled
Dielectric	: Precision enamelled
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 – 40°C
Specified life	: 20,000 Working Hrs ⁴
Mounting/Installation	: Floor
Line voltage	: 220 v ac /50 Hz(200 -230 v) I phase
Operation	: Automatic



Sensors:

Standard ▶

- Cooling Water Sensor : Magnetic
- ORP controller : Digital online

Optional ▶

- Oxygen humidity sensor : Digital online
- Oxygen purity meter : Digital online
- Dissolved ozone monitor : Digital online
- Oxygen gas 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

Enclosure ▶

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

Accessories:

Standard ▶

- Oxygen tubing : MOC – Polyurethane - 03 meter
- Ozone tubing : MOC – Polypropylene - 03 meter

Optional ▶

- Enclosure : SS – 304
- Pump : SS – 316
- Cooling system : Water chillers

Air Cooled

Model No.	Ozone [G/hr]	Waste Water Flow [m3/hr]							Oxygen Flow [LPH]	Side Stream Pump [m3/hr]	Ventury [Inch]	Dimension (LxWxH) [m]	Net Weight [Kg]	Power [Kw]
		STP - TT			8.0 ppm	10.0 ppm	15.0 ppm	20.0 ppm						
		2.0 ppm	3.5 ppm	4.0 ppm										
IOS/WW-05 S*	3-5	2.5	1.4	1.3	0.6	0.5	-	-	300	3.0	3/4	0.6 x 0.6 x 1.5	90	1.1
IOS/WW-07 S*	4-7	3.5	2.0	1.8	0.9	0.7	0.5	-	300	3.0	3/4	0.6 x 0.6 x 1.6	95	1.2
IOS/WW-10 S*	8-10	5.0	2.9	2.5	1.3	1.0	0.7	0.5	300	3.0	3/4	0.6 x 0.6 x 1.7	100	1.4
IOS/WW-12 S*	10-12	6.0	3.4	3.0	1.5	1.2	0.8	0.6	300	3.0	3/4	0.6 x 0.6 x 1.8	110	1.5
IOS/WW-15 S*	12-15	7.5	4.3	3.8	1.9	1.5	1.0	0.8	600	4.0	3/4	0.8 x 0.6 x 1.5	130	1.6
IOS/WW-20 S*	18-20	10.0	5.7	5.0	2.5	2.0	1.3	1.0	600	4.0	3/4	0.8 x 0.6 x 1.5	130	1.8

Water Cooled

IOS/WW-25 S	25-28	12.5	7.1	6.3	3.1	2.5	1.7	1.3	300	3.0	3/4	0.8 x 0.6 x 1.5	120	1.3
IOS/WW-30 S	25-32	15.0	8.6	7.5	3.8	3.0	2.0	1.5	300	3.0	3/4	1.0 x 0.8 x 1.5	130	1.5
IOS/WW-35 S	30-35	17.5	10.0	8.8	4.4	3.5	2.3	1.8	600	4.0	1	2.0 x 0.8 x 1.5	170	1.9
IOS/WW-40 S	35-40	20.0	11.4	10.0	5.0	4.0	2.7	2.0	300	3.0	3/4	1.0 x 0.8 x 1.5	140	1.8
IOS/WW-55 S	45-55	27.5	15.7	13.8	6.9	5.5	3.7	2.8	600	4.0	1	2.0 x 0.8 x 1.5	190	2.2
IOS/WW-70 S	60-70	35.0	20.0	17.5	8.8	7.0	4.7	3.5	600	4.0	1	2.0 x 0.8 x 1.5	230	2.2
IOS/WW-80 S	72-84	40.0	22.9	20.0	10.0	8.0	5.3	4.0	900	6.0	1 1/2	2.5 x 0.8 x 1.5	270	3.3
IOS/WW-90 S	85-90	45.0	25.7	22.5	11.3	9.0	6.0	4.5	1200	8.0	1 1/2	2.5 x 0.8 x 1.5	275	4.1
IOS/WW-100 S	90-100	50.0	28.6	25.0	12.5	10.0	6.7	5.0	900	6.0	1 1/2	2.5 x 0.8 x 1.5	280	4.1
IOS/WW-120 S	100-120	60.0	34.3	30.0	15.0	12.0	8.0	6.0	1200	8.0	1 1/2	3.0 x 0.8 x 1.5	320	4.9
IOS/WW-140 S	120-140	70.0	40.0	35.0	17.5	14.0	9.3	7.0	1200	8.0	1 1/2	3.0 x 0.8 x 2.0	330	5.1
IOS/WW-160 S	150-160	80.0	45.7	40.0	20.0	16.0	10.7	8.0	1500	10.0	2	3.5 x 0.8 x 2.0	350	5.3
IOS/WW-180 S	175-180	90.0	51.4	45.0	22.5	18.0	12.0	9.0	1800	12.0	2	3.5 x 0.8 x 1.5	370	6.1

Scope of Supply:

○ Ozone Generator - IP 65 + IP 54 [CE+UL enclosure]	: 01 no.	○ Oxygen Tubing - PU	: 02 meters
○ Oxygen concentrator - Medical Grade	: 01-06 nos.	○ Back Flow Preventer - SS 304/PVC	: 01 no.
○ Ozone Mixing Pump SS-304 / SS-316	: 01 no.	○ Skid - Stainless Steel - SS 304	: 01 no.
○ Ventury - PVDF [KYNER]	: 01 no.	○ Ozone Cell Cooling System	: 01 no.
○ Static Mixture - SS 316 / C-PVC	: 01 no.	○ Control Panel - IP 65 - CE+UL	: 01 no.
○ Anti-oxidant ozone tubing - PP / PTFE	: 03 meters		



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