

# Integrated Mobile Ozone Washer

IMOW/LC series

## Technical Specifications :

Model No.	:	IMOW/LC - 2, 3, 6
Make	:	Chemtronics <sup>®</sup> (Made in India)
Feed Gas	:	Dust & moisture free ambient air
Oxygen	:	Built in
Air Compressor	:	In built oil free
MOC – Enclosure	:	SS -304
MOC of Ozone Cell	:	SS 316 / Ceramic / PTFE
Cell Cooling	:	Forced Air Cooled - Internally & Externally
Power supply	:	Switch mode power supply
Power Amplifier	:	MOSFET Technology
Driver board protection	:	Over heat / Over current / Over voltage
EHT	:	Ferrite Based Air Cooled
Enclosure – Protection	:	Electrical & Electronics - IP 54
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	:	Trolley
Line Voltage	:	230 V ac ; 1 phase ; 50 Hz
Feed Water Pressure	:	2.0 kg/cm <sup>2</sup> (min.) – 3.0 kg/cm <sup>2</sup> (max.)
Feed Water Flow	:	3.0 m <sup>3</sup> /hr (min.) – 5.0 m <sup>3</sup> /hr (max.)



## Key Components :

- Air Cooled Ozone Generator
- Pressure Swing Adsorption Oxygen concentrator
- Oil Free Air Compressor
- Ozone Gas & Water mixing pump
- Built in SS-316, Ozone mixing tank
- Undissolved Ozone + Oxygen vent
- Heated Catalytic Ozone Destruct
- Four Pivoting 125 mm Thermoplastic wheels, with two brake wheels
- Online Oxidation Reduction Potential [ORP] controller
- Digital Programmable Timer Operation
- Stainless Steel 304 grade Enclosure with 25 mm Frame

## Features :

- Micro-bubble generator of 20-30 micron
- Ozone gas to water mixing efficiency of 95%
- No un-dissolved ozone leakage in working environment
- 5% dissolved ozone gas segregation from product water
- Un dissolved ozone converted to oxygen, before release.
- 100% safety for user & operator
- Optional ambient ozone leakage sensor & controller for safety
- Rich 2.0 to 2.5 ppm dissolved ozone for instant disinfection
- Pesticides oxidation in very short time
- ETP friendly waste water
- Unused residual ozone, naturally degrades to oxygen
- Stainless steel SS-304 Construction
- Mobility on 125 mm, thermoplastic pivoted wheel with two break wheels.
- Online ORP monitoring

## Advantages Of Ozone Washing :

- Ozone washing is environmental friendly.
- Ozone quickly oxidizes all pesticides & Insecticides.
- Ozone is a very strong disinfectant, destroys bacteria & viruses.
- Unused ozone naturally degrades to harmless oxygen.
- Ozone has GRAS approval by FDA & USDA, for direct contact.
- Disinfectant by-products [DBPs] are harmless.
- Post ozonation, disinfectant rinsing is not required.
- Ozone is generated on site at point of use.
- No storage, handling or transportation involved.
- Ordering & inventory control is not required.

## Working Condition :

- Batch process cleaning
- Online flume washing
- Ozone Soaking
- Ozone rich water to washer

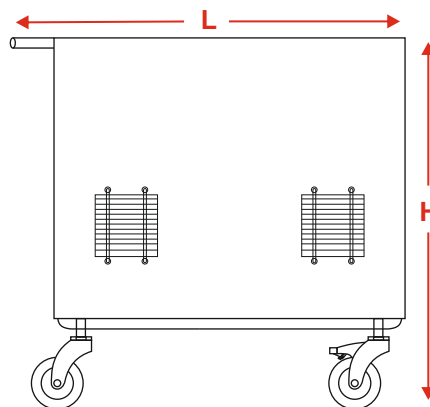
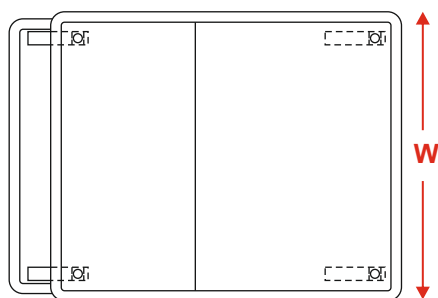
## Applications :

- Fruits & Vegetable Ozone Washing
- Fruits & Vegetable Pesticide Removal
- Dish Washer
- Floor Furniture & Surface Cleaning
- Equipment & vessels sanitation
- Clean In Place [CIP]
- Air Disinfection [Air Ozonation]
- AHU & Duct Cleaning
- Raw Water Ozonation
- Product Water Ozonation
- Ozonated Drinking Water
- Ozone Ice Making
- Ozone Laundry

## Industry Use :

- Hotels, Resorts & Restaurants
- Hospitals
- Hostels, Universities
- Religious Places – Mega Kitchens
- Army, Police, Civil Services
- Railways, Airports, Malls
- Food processing
- Packed Food Processing
- Ready to eat food manufacturing
- Package Drinking & Beverage
- Offices & Factory pantries

## Construction :



### IOW / LC Model Series :

Model No.	Ozone Dose (g/m <sup>3</sup> )	Feed Flow (m <sup>3</sup> /hr)	Net Weight (Kg)	Power (KW)	Dimensions in mm		
					(L)	(W)	(H)
IOW / LC - 2	2.0	2.0	80	1.2	1100	700	900
IOS / LC - 3	2.2	3.0	90	1.5	1100	700	900
IOS / LC - 6	1.9	6.0	125	2.2	1200	800	1000

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