

DISINFECTION 09/16

AQUA OZONE EQUIPMENT CTO-50, 100, 150 & 200

The CTO-30W, 40W and 60W are cabinet, water-cooled, corona discharge type ozone generators specifically designed for industrial applications. The system incorporates water-cooled quartz glass, stainless steel ozone cell, solid state high frequency power supplies, PSA oxygen concentration modules, manual adjusting & function indicating control panel, grey epoxy powder coated mild steel cabinet with mounting legs and with the key functions of ozone ON/OFF, 4-20 ma remote controls & ozone safe interlock. These systems can be fed by customer supplied tank type oil-less compressor or multi small oil-less air compressor supplies by us. These ozone generators produce ozone in 50g/hr, 100g/hr, 150g/hr and 200g/hr.



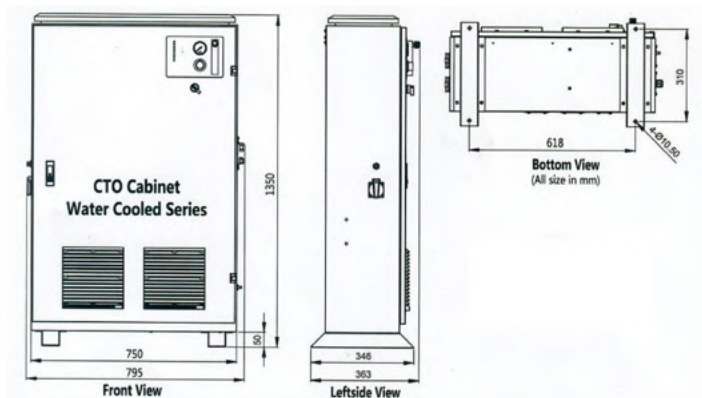
✓ Technical features

- Corona Discharge (CD)
- Integrated PSA module(s)
- Ozone ON/Off remote control
- 40-20ma Ozone remote control
- Modular design, water cooled
- Floor mounted cabinet
- 3-in-1 gas feed pneumatic device
- Optional anti backflow water solenoid valve

Benefits:

- Clear, clean water
- Complete sanitation
- Superior oxidation
- No harmful by-products
- Zero or reduced chlorine usage
- Neutral PH water value

📏 Dimensions



🔍 Models

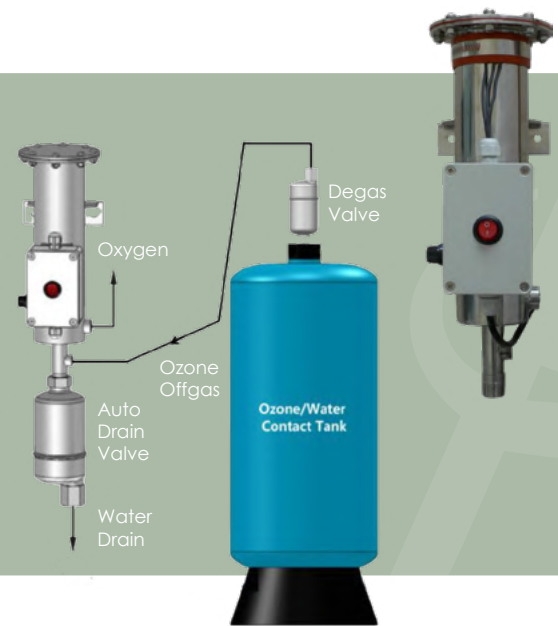
PRODUCT CODE	CTO-50 W	CTO-100 W	CTO-150 W	CTO-200 W
OZONE OUTPUT	50 g/hr	100 g/hr	150 g/hr	200 g/hr
OZONE OUTPUT FLOW	7.5L/min	10L/min	15L/min	20L/min
OZONE OUTPUT PRESSURE	0.4 bar (6 psi)	0.4 bar (6 psi)	0.4 bar (6 psi)	0.4 bar (6 psi)
COMPRESSED AIR REQUIREMENT (FLOW @ PRESSURE)	120 LPM @ 2 bar	120 LPM @ 2 bar	240 LPM @ 2 bar	240 LPM @ 2 bar
POWER REQUIREMENT (SINGLE PHASE)	120/240V 60/50Hz- 500 W	120/240V 60/50Hz-950 W	120/240V 60/50Hz-1450 W	120/240V 60/50Hz -1800 W
OZONE OUTPUT ON/OFF REMOTE CONTROL	Yes	Yes	Yes	Yes
OZONE OUTPUT 4-20MA REMOTE CONTROL	Yes	Yes	Yes	Yes
PACKING	1	1	1	1
VOLUME	0.75 m ³	0.75 m ³	0.75 m ³	0.75 m ³

* Does not include the oil-less compressor's power consumption.

DISINFECTION 09/17

OZONE DESTRUCTOR

The OD-3 is wall-mountable, thermal-catalytic method, specifically designed for the destruction of ozone oil-gas vent from contacting vessel. The unit incorporates a stainless steel housing, high efficiency manganese/copper catalyst, silicon rubber heating band and fuse protected switch box with power cord. The featured micro-thermal heating design ensures water vapor does not condense on catalyst to extend catalyst service life. The unit is capable of the destruction of gas up to 3 SCFM with 99.9% efficiency



Technical features

- Pressure drop: less than 1 PSI
- Destruction efficiency: 99.9%
- Power required: 25 watts, 120V/60Hz or 240V/50Hz
- Catalyst reaction type
- Constructed of AISI-304 stainless steel
- Integrated heater band
- Highly efficient destruction of ozone
- Wall mountable



Models

PRODUCT CODE	FLOW RATE m³/Hr	DIMENSIONS	WEIGHT kg	VOLUME m³
OD-3	5.1	105 X 325 X 150 mm	2.2	0.025



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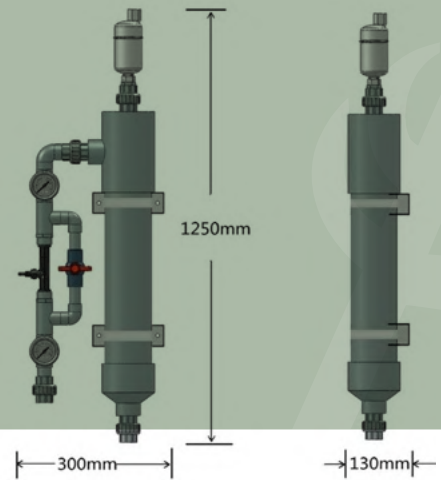
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DISINFECTION 09/18

OZONE MIXING DEGAS VESSEL

The ozone mixing degas vessels (MDV) are designed in properly size and as simple as possible. The MDV-I and II have been developed to supply a high mass transfer of ozone to the processed water. An injector manifold incorporated into the vessel, draws the ozone (O₃) from the generators and mixes it with the water stream. The vessel then provides additional mixing, contact time and degassing of excess ozone, from the water, prior to the point of use. The MDV series are ozone/chlorine compatible, PVC plastic construction and includes a venturi injector, bypass valve, pressure gauges, Stainless steel degassing valve and wall mounting brackets.



Technical features

- High mass transfer
- Enhanced contact time
- Degassing excess ozone
- Equipped with pressure gauges
- Ozone/chlorine compatible
- Wall mountable

Application:

- Swimming pool
- Water feature and park
- Aquarium and aqua animal
- Bottled water plant
- CIP cleaning
- Dairy farm
- Processing water treatment



Models

PRODUCT CODE	FLOW RATE m ³ /H	SUCTION FLOW m ³ /H	CONNECTION mm	TEMPERATURE max	WEIGHT kg	VOLUME m ³
MDV-1	1.5-3.0	0.9	25/32	45°C	13.5	0.025
MDV-11	3.0-5.0	1.5	32/40	45°C	13.5	0.025



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DISINFECTION 09/13

AQUA OZONE EQUIPMENT POP-LI/MI/HI/I/II

Aqua pop UV Series are wall mountable, air cooled, very ultraviolet (VUV) radiation type, ozone generator units, specifically designed for swimming pool applications. The system incorporates VUV type Ozone generator(s), vacuum trigger box, PVDF check valve, venturi injector and manifold. The ozone contacting vessel and degas valve are optional. These packages are capable of producing ozone in 0.5g/hr, 1.0g/hr, 1.5g/hr, 2g/hr & 4g/hr.



VACUUM
TRIGGER BOX



INJECTOR
MANIFOLD



OZONE
GENERATOR

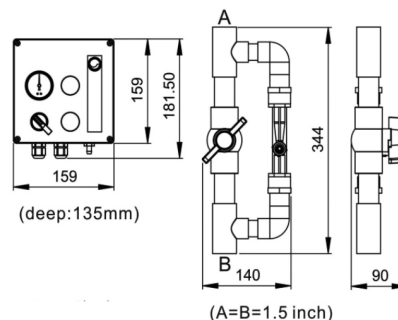
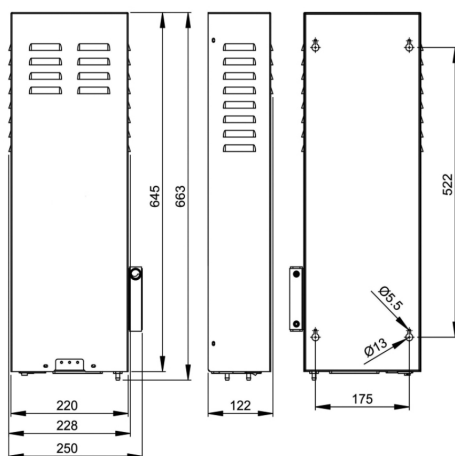
✓ Technical features

- Very ultraviolet (VUV) radiation
- Aluminium UV bulb housing
- UV bulb life: 10,000 hours
- Universal voltage electronic ballast(s)
- UV bulb failure indicator(s)
- Equipped with Venturi manifold
- Equipped with vacuum trigger box

Benefits:

- Clean, clear water
- Complete sanitation
- Superior oxidation
- No harmful by-products
- Zero or reduced chlorine usage
- Neutral pH water value

📏 Dimensions



🔍 Models

CODE	POP-LI	POP-MI	POP-HI	POP I	POP II
OZONE OUTPUT	g/hr 0.5	g/hr 1.0	g/hr 1.5	g/hr 2	g/hr 4
* MATCHED POOL VOLUME	Upto 45 m ³	Upto 90 m ³	Upto 135 m ³	Upto 180 m ³	Upto 360 m ³
.EQUIPPED GENERATOR QTY	One	One	One	One	Two
VENTURI MANIFOLD	Inlet & Outlet	Inlet & Outlet	Inlet & Outlet	Inlet & Outlet	Inlet & Outlet
CONNECTION SIZE	50mm/"2.0	50mm/"2.0	50mm/"2.0	50mm/"2.0	50mm/"2.0
** POWER REQUIREMENT (SINGLE PHASE)	120/240V 60/50Hz -65 W	120/240V 60/50Hz -85 W	120/240V 60/50Hz -130 W	120/240V 60/50Hz -550 W	120/240V 60/50Hz -650 W
OPTIONAL WATER BOOST PUMP REQUIREMENT	m ³ @ 30 m 2 Water Head	m ³ @ 30 m Water 2 Head	m ³ @ 30 m Water 2 Head	m ³ @ 30 m Head 2	m ³ @ 30 m Head 2
LAMP(S) REPLACEABLE	Yes	Yes	Yes	Yes	Yes
WEIGHT NET/GROSS	kg 12/17	kg 12/17	kg 13/18	kg 13/18	kg 22/32
PACKING	1	1	1	1	1
VOLUME	m ³ 0.025	m ³ 0.025	m ³ 0.025	m ³ 0.025	m ³ 0.025

* For indoor commercial pools with a standard bather load and using chlorine as a secondary sanitizer only. ** Does not include the power consumption of the ozone booster water pump.

DISINFECTION 09/14

AQUA OZONE EQUIPMENT POP III & IV

The POP-III and POP-IV are wall-mountable, air-cooled, CD type, ozone generators, specifically designed for swimming pool applications. The system incorporates an internal PSA oxygen module, with key functions of a vacuum triggered system On/Off control and ozone safe interlock, external oil-less compressor, water backflow prevention device and venturi injector manifold.

The ozone contacting vessel, degas valve and ORP controller are optional. Both systems are capable of producing ozone in 10g/hr and 20g/hr.



Injector Manifold



Auto Drain Valve



Ozone Generator

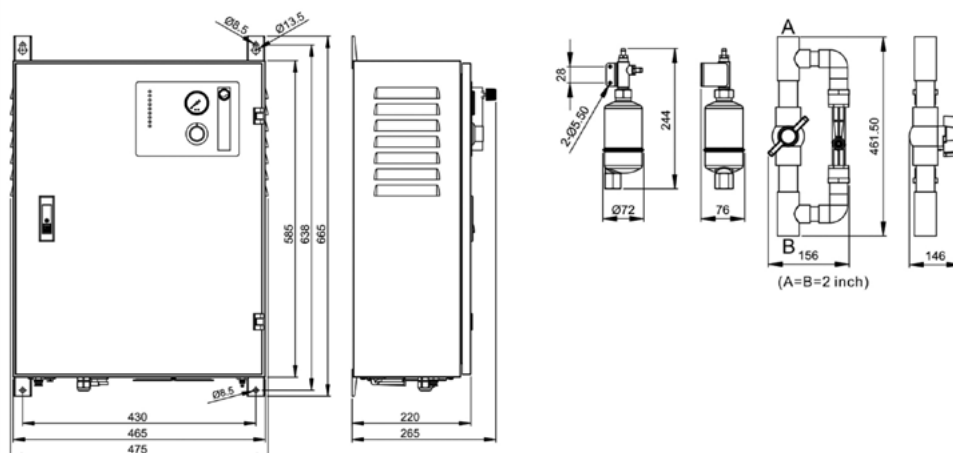
✓ Technical features

- Corona Discharge (CD)
- Integrated PSA module
- External oil-less compressor
- Automatic vacuum trigger
- Ozone ON/OFF control
- 4-20 ma Ozone control
- Venturi injector manifold
- Auto drain valve

Benefits:

- Clear, clean water
- Complete sanitation
- Superior oxidation
- No harmful by-products
- Zero or reduced chlorine usage
- Neutral PH water value

📏 Dimensions



🔍 Models

PRODUCT CODE	POP-III	POP-IV
OZONE OUTPUT	10 g/hr	20 g/hr
MATCHED POOL VOLUME *	Upto 450 m ³	Upto 900 m ³
EQUIPPED COMPRESSOR QTY. (FLOW @ PRESSURE)	One (60 LPM @ 2 bar)	One (60 LPM @ 2 bar)
VENTURI MANIFOLD CONNECTION SIZE	Inlet & Outlet: 1" / 32 mm	Inlet & Outlet: 1" / 32 mm
POWER REQUIREMENT ** (SINGLE PHASE)	120/240V 60/50Hz -450 W	120/240V 60/50Hz -550 W
OPTIONAL WATER BOOST PUMP REQUIREMENT	2 m ³ @ 30 m Head	2 m ³ @ 30 m Head
ORP CONTROLLED	Option	Option
WEIGHT NET/GROSS	24/30 kg	28/34 kg
EXTERNAL OIL-LESS COMPRESSOR WEIGHT NET/GROSS	11.5/13.5 kg	11.5/13.5 kg
PACKING	1	1
VOLUME	0.1 m ³	0.1 m ³

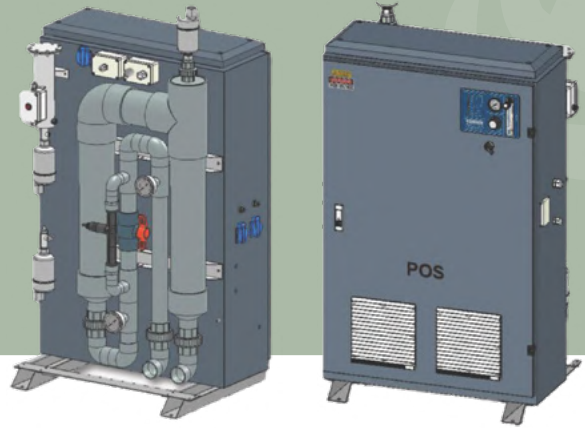
* For indoor commercial pools with a standard bather load and using chlorine as a secondary sanitizer only. ** Does not include the power consumption of the ozone booster water pump.

DISINFECTION 09/15

AQUA OZONE EQUIPMENT POS

The POS series are turn-key, skid-mounted, air-cooled, VUV or CD type ozone/water contacting systems specifically designed for swimming pool applications. The system incorporates complete VUV or CD type, ozone generator, oil-less compressor(s), system operation and function indicator control panel, ozone injector with bypass valve, water backflow prevention device, PVC contacting vessel with degas valve, grey epoxy powder coated mild steel cabinet with stainless steel mounting base and with the key functions of a vacuum triggered system On/Off control & ozone safe interlock both for VUV & CD type, ORP controlled ozone output auto adjusting only for CD type.

The water booster pump, ORP controller and ozone destructor are optional. POS in VUV type, produces ozone in 4g/hr, 6g/hr and 8g/hr; POS in CD type, produces ozone in 10g/hr, 20g/hr, 30g/hr and 40g/hr.



✓ Technical features

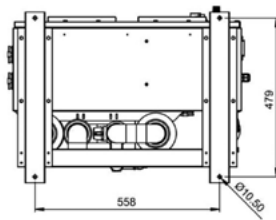
- Corona Discharge (CD) or Very UV (VUV) radiation
- Integrated PSA Module(s)
- Combined contacting vessel
- Degas and auto drain valves
- Equipped with oil-less compressor(s)
- Automatic controller
- Optional Ozone booster pump
- Optional ORP controller
- Optional Ozone destructor

Benefits:

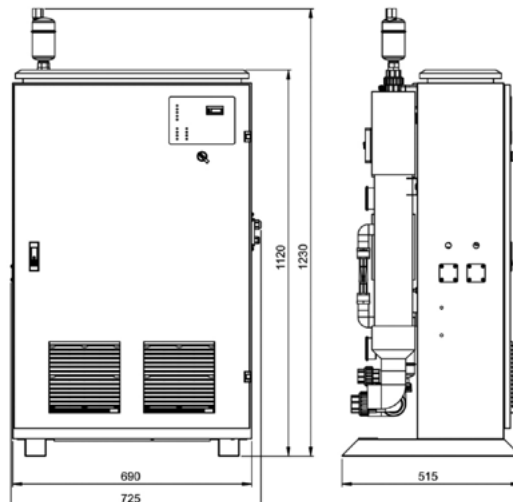
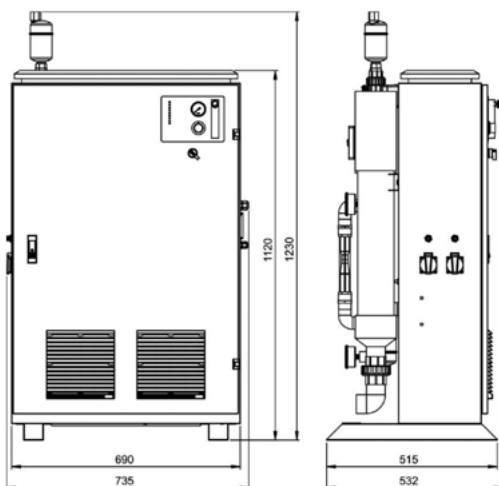
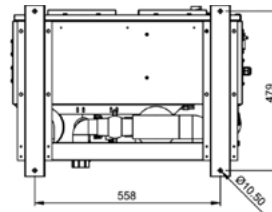
- Clear, clean water
- Complete sanitation
- Superior oxidation
- No harmful by-products
- Zero or reduced chlorine usage
- Neutral PH water

📏 Dimensions

UV-TYPE:



CD-TYPE:



Models (UV-TYPE)

PRODUCT CODE	POS-4UV	POS-6UV	POS-8UV
OZONE OUTPUT	4 g/hr	6 g/hr	8 g/hr
MATCHED POOL VOLUME *	Upto 360 m ³	Upto 540 m ³	Upto 720 m ³
EQUIPPED COMPRESSOR QTY. (FLOW @ PRESSURE)	One (20 LPM @ 0.05 bar)	Two (20 LPM @ 0.05 bar)	Two (20 LPM @ 0.05 bar)
WATER CONNECTION SIZE	Inlet: 1.5"/ 50 mm Outlet: 1.5"/ 50 mm	Inlet: 1.5"/ 50 mm Outlet: 1.5"/ 50 mm	Inlet: 1.5"/ 50 mm Outlet: 1.5"/ 50 mm
POWER REQUIREMENT ** (SINGLE PHASE)	120/240V 60/50Hz -450 W	120/240V 60/50Hz -550 W	120/240V 60/50Hz -650 W
OPTIONAL WATER BOOST PUMP REQUIREMENT	2 m ³ @ 30 m Head	2 m ³ @ 30 m Head	2 m ³ @ 30 m Head
OPTIONAL ORP CONTROLLED	n/a	n/a	n/a
WEIGHT NET/GROSS	80/100 kg	80/100 kg	80/100 kg
PACKING	1	1	1
VOLUME	0.65 m ³	0.65 m ³	0.65 m ³

* For indoor commercial pools with a standard bather load and using chlorine as a secondary sanitizer only. ** Does not include the power consumption of the ozone booster water pump.

Models (CD-TYPE)

PRODUCT CODE	POS-10	POS-20	POS-30	POS-40
OZONE OUTPUT	10 g/hr	20 g/hr	30 g/hr	40 g/hr
MATCHED POOL VOLUME*	Upto 450 m ³	Upto 900 m ³	Upto 1350 m ³	Upto 1800 m ³
EQUIPPED COMPRESSOR QTY. (FLOW @ PRESSURE)	One (60 LPM @ 2 bar)	One (60 LPM @ 2 bar)	Two (120 LPM @ 2 bar)	Two (120 LPM @ 2 bar)
WATER CONNECTION SIZE	Inlet: 1.5"/ 50 mm Outlet: 1.5"/ 50 mm	Inlet: 1.5"/ 50 mm Outlet: 1.5"/ 50 mm	Inlet: 1.5"/ 50 mm Outlet: 1.5"/ 50 mm	Inlet: 1.5"/ 50 mm Outlet: 1.5"/ 50 mm
POWER REQUIREMENT** (SINGLE PHASE)	120/240V 60/50Hz -450 W	120/240V 60/50Hz -600 W	120/240V 60/50Hz -1050 W	120/240V 60/50Hz -1200 W
OPTIONAL WATER BOOST PUMP REQUIREMENT	2 m ³ @ 30 m Head	2 m ³ @ 30 m Head	2 m ³ @ 30 m Head	2 m ³ @ 30 m Head
ORP CONTROLLED	Option	Option	Option	Option
WEIGHT NET/GROSS	95/115 kg	95/115 kg	95/115 kg	95/115 kg
OIL-LESS COMPRESSOR WEIGHT NET/GROSS	12.5/15 kg	12.5/15 kg	12.5/15 kg	12.5/15 kg
PACKING	1	1	1	1
VOLUME	0.65 m ³	0.65 m ³	0.65 m ³	0.65 m ³

* For indoor hotel pool with middle bather load & chlorine as secondary sanitizer only. ** Not include ozone boost water pump's power consumption.