

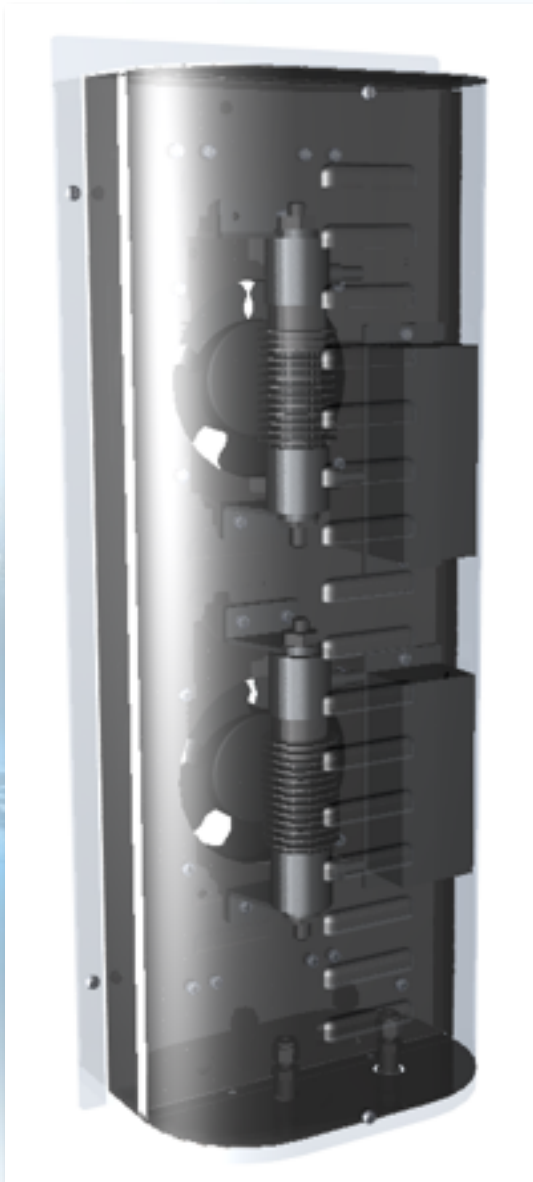


wassertec
Ozone Systems



CD Aqua 2013

The Wassertec CD Aqua is a simple yet rugged and reliable Corona Discharge type ozone generator for small water treatment applications.



Rugged Construction Proven Reliability

CD Aqua has been designed for continuous operation in domestic and light commercial applications with minimal maintenance.

All components are of high quality and chosen for their durability and resistance to ozone.

The stainless steel housing features a cover that allows the unit to be mounted outdoors in moderately sheltered environments (away from direct sunlight/rainfall)

CD Aqua has 3 ozone outputs depending on the type of feed gas used:

Ambient Air	1.8 Gr/Hr
Dry Air	3.1 Gr/Hr
Oxygen (95%)	8.0 Gr/Hr



HIGH QUALITY OZONE MODULES

CD Aqua has 2 ozone tubes with solid state high voltage power supplies.

The ozone tubes are fully ozone resistant, being constructed from Sintered Alumina ceramic, Stainless Steel and Teflon. There are absolutely no glass or nylon parts.



MAZZEI INJECTORS

Ozone from the CD Aqua must be dosed into water using a venturi injector. We only supply the Mazzei brand of injectors. These are made from Kynar (PVDF) and are extremely efficient, achieving ozone dissolution in water of between 70-90% depending on pressure & temperature.

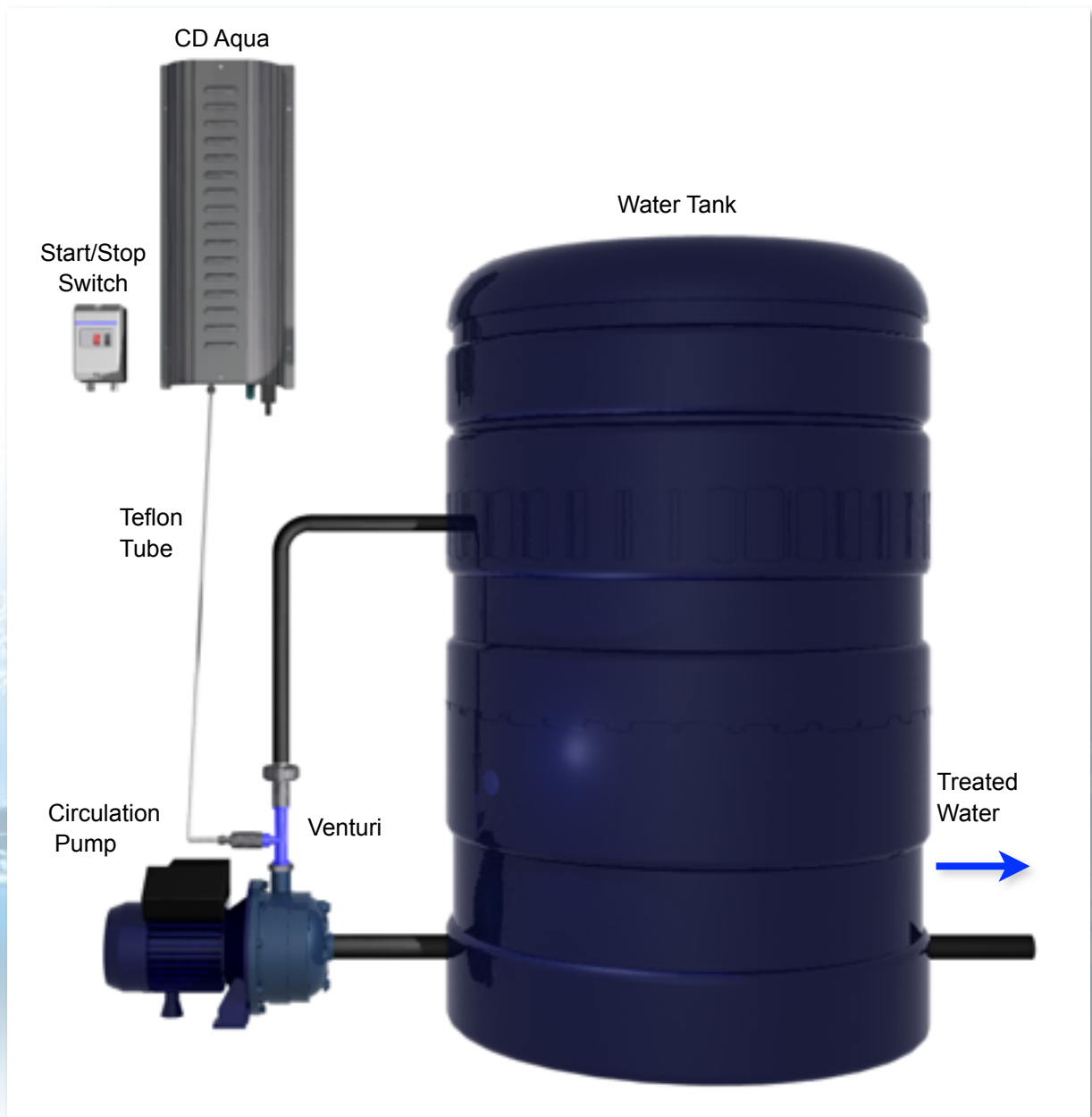


EBARA WATER PUMPS

CD Aqua systems are supplied with Ebara stainless steel water pumps.

These work well with the venturi injectors and have excellent ozone compatibility. They are suitable for both domestic and commercial use.

The CD Aqua System



The CD Aqua can be supplied as an individual ozone generator or as part of a system which offers a complete water disinfection solution.

The system comprises of the following components:

- Cd Aqua Ozone Generator
- Stainless Steel water pump
- Venturi Injector for dosing ozone
- System start/stop circuit breaker
- Air filter
- Ozone resistant teflon tubing
- ozone resistant non-return valve

Installation

The system is typically installed as shown in the diagram above.

Water to be treated is stored in a tank (up to 10,000 litres). The pump circulates water in the tank through the venturi. In doing so the venturi creates a vacuum which draws ozone into the water. Ozone disinfects and decontaminates the water.

The water can then be pumped to its point of use, preferably via a filter.

CD Aqua System Variations

CD Aqua with Oxygen

Any Ozone generator will make 4 times as much Ozone if Oxygen is used as a feed gas instead of air.

Furthermore the Ozone will be up to eight times more concentrated, and as a result far more soluble in water.

By combining a CD Aqua with our Wassertec OX5 Oxygen generator and a small oil-less compressor high concentration Ozone can be produced.

This is ideally suited to applications such as the disinfection of treated water for bottling.



Water Tank Control System

This is a further variation for applications where drinking water is distributed from a water tank.

The system features a tank level controller, solenoid valve and timer, all in a water resistant housing.

Ozone is dosed for a user determined number of hours per day. This will depend on the size of the tank, consumption and water quality.

The tank of treated water will then drain to a low level before re-filling and the ozone will run whenever the tank is filling so as to ensure that the water in the tank is disinfected at all times.



Specifications

OZONE GENERATOR	SPECIFICATION
Size (mm)	655h x 255w x 150d
Weight	8Kg
Power	230v, 50Hz, 365w. Must be Earthed
Enclosure	304 Stainless steel, laser cut
Ozone Modules	2 x 3.5 gramme/hour ozone modules with short circuit resistant power supplies.
Ozone Cell Construction	316 stainless steel electrode, Teflon end caps, Alumina Ceramic dielectric, Silicone o-rings
Ozone output from ambient air at 20°C with 65% humidity.	1.8 Grammes/Hour at 10 litres/minute flow rate
Ozone output from dry air at 20°C with -40°C dew point	3.1 Grammes/Hour at 10 litres/minute flow rate
Ozone output from Oxygen at 95% purity	8.0 Grammes/Hour at 4 litres/minute flow rate
Optional Equipment	Wassertec Oxygen Concentrator Oxygen Flowmeter Oil-less compressor Water Tank Controller
Mounting Options	Wall mounted
Environmental Requirements	Sheltered environment, no direct rain or sunlight. Max ambient temperature 40°C Well ventilated area

Contact Us

If you are interested in discussing a project with us or would like some more information please get in touch.

Our friendly team are ready to assist you

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