OZONFILT® OZVa from ProMinent. Or:
Powerful and Compact.

ALL CLEAR

ALL ROUND INNOVATION.
ALL ROUND PERFORMANCE.

1.0 Our latest design development has already proved successful in practice: The OZONFILT® OZVa sets new standards in ozone production by harnessing the potential of microprocessor control.

2.0 A high ozone output of up to 5 g/h is achieved using a newly developed, safe, and high performance ozone generating process – with a very attractive cost of ownership ratio.

3.0 Operating safety is improved by a microprocessor controller which operates all system functions and monitoring, for both manual or automatic control of ozone levels.

4.0 Keeping you in the picture: an integrated display shows current ozone levels, allowing function monitoring at a glance and optimised minimal dosing – of 0.15 to 5 g/h.

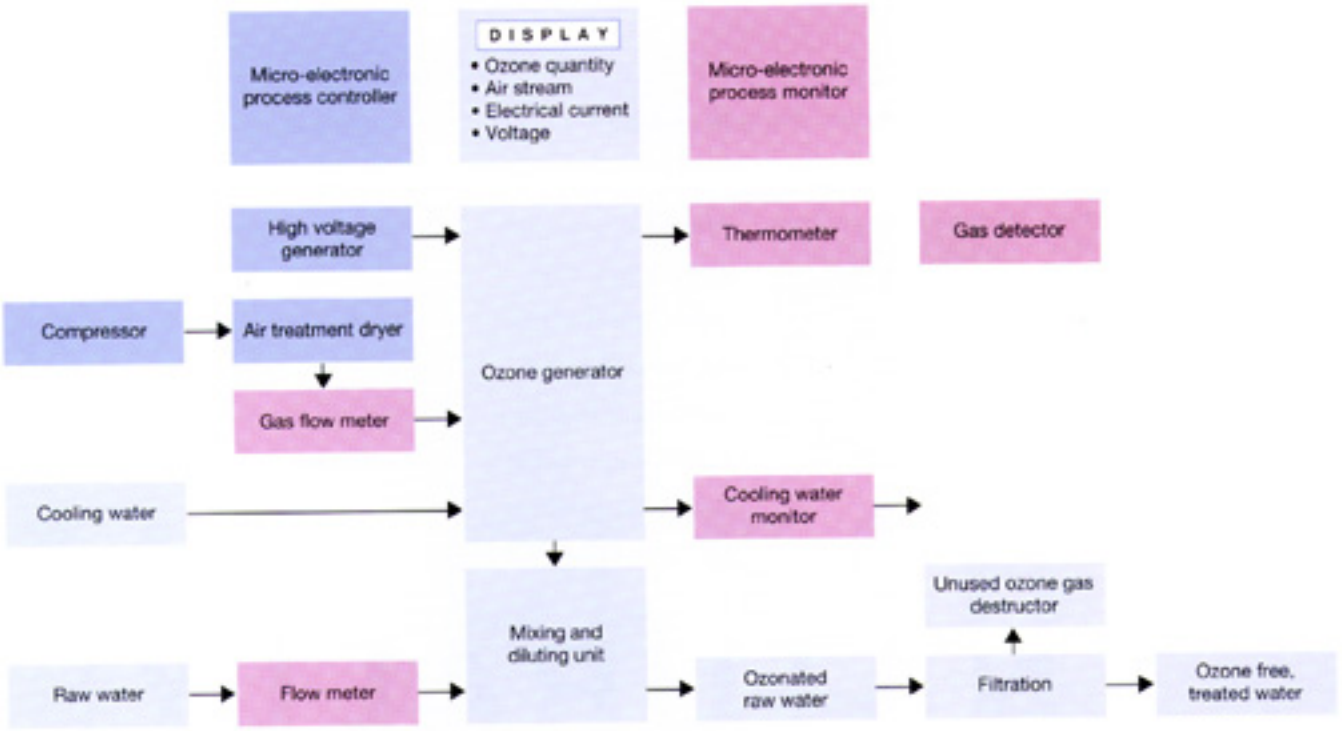


Figure: Flow diagram of water treatment system incorporating OZONFILT® OZVa

TRANSPARENCY: THE TECHNICAL DETAILS IN BRIEF

The OZONFILT® OZVa is a highly developed compact ozone generating system producing 0 - 5 g ozone/h. Micro-electronic control and monitoring means that it is safer in operation. It is simple to operate, and fully featured. It has an integrated mixing assembly and requires no booster pump. The highly effective mixing assembly has been specifically designed to optimise ozone dilution in water. A comprehensive range of accessories: everything from a compressor to an unused ozone destructor, is included with the system.

REVEALING

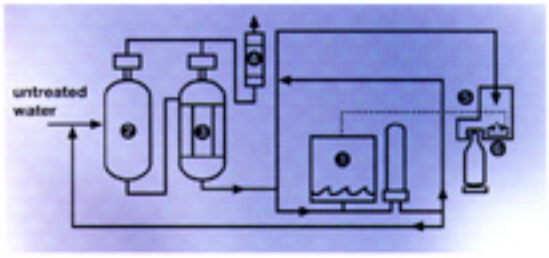
OZONFILT® OZVa	The OZONFILT® OZVa is fitted with a state of the art micro-electronic controller and a digital display showing the following parameters: ozone capacity, air stream, temperature, primary current and primary voltage.
Ozone capacity	0.15 - 5 g/h, set manually or externally via 0/4-20 mA signal
Flow volume in by-pass	0.5 - 2.8 m³/h and/or 2.8 - 5 m³/h (please specify with order)
Pres. fluctuation in by-pass	0.2 - 2 bar
By-pass connector	32 DN
Water temperature	< 35 °C
Cooling water requirements	Water, max. 30 °C, 10 l/h
Pneumatic connection	Compressed air supply, oil-free, approx. 6-8 bar, 400 l/h
Electrical connection	230 V / 50-60 Hz / 2 A or 115 V / 50-60 Hz / 2 A
Current uptake, typical	0.9 A (230 V), 1.8 A (115 V)
Weight	70 kg
Dimensions	Length 1210 mm, height 1300 mm, breadth 300 mm
Enclosure rating	IP 43
Safety standard	TÜV GS certificate "safety tested" (pending)
Max. ambient temperature	35 °C (40 °C at cooling water temperature of < 25 °C)
Ambient humidity	85 % non-condensing
Accessories	Quiet, robust compressor Gas detector Unused ozone gas destructor Downstream filter with bleed valve

In action: Ozone for clean car wash bays and appetising drinks

Too valuable not to use again: OZONFILT® OZVa cleans water used in car washing systems

CLEAR CASES!

Cost and environmental concerns are both good reasons for recycling water in car wash systems. The danger, though, is that the water becomes a breeding ground for micro-organisms over time, and begins to smell foul. The OZONFILT® OZVa system can effect a rapid remedy to this situation. Firstly, ozone is a very strong disinfectant, and secondly, it breaks down after use into oxygen, leaving no harmful legacy for the environment. OZONFILT® OZVa treats water with ozone to prevent the bacterial proliferation which otherwise causes the water to smell. Precipitation and flocculation of remaining water contaminants make filtration more effective and assist in the break down of emulsions. Ozone works throughout the whole system - filter media are protected, blockages prevented and servicing intervals increased. All this, from a process which uses no chemicals, and which causes no harm to the environment. The drinks industry makes even higher demands on the microbiological standards of rinsing water. Virtually all micro-organisms must be safely and reliably removed. Ozone is used in the bottle rinsing process to guarantee safe micro-biological conditions. Ozone also serves to remove iron and manganese from bottled water. After ozone treatment the water is filtered through activated carbon which eliminates the oxidised iron and manganese and the unused ozone. To guarantee protection against micro-organisms during the bottling process, ozone may be added again after filtration. The ozone breaks down in a few minutes. The only by-product is oxygen.



Bottling water using the OZONFILT® OZVa

1. OZONFILT® OZVa
2. Reaction tank
3. Activated carbon
4. Unused ozone destructor
5. Filler
6. Contact/4-20 mA

Mineral water: Iron and manganese removal using ozone

FROM DESIGN TO MAINTENANCE:
SERVICING AND CARE FROM PROMINENT

When you opt for an OZONFILT® OZVa you are also opting for all-round ozone experience

When we were designing the OZONFILT® OZVa system we took care from the start that "simple" meant exactly that. Using ozone safely places high demands on the technology - and so you 'll find that the OZONFILT® OZVa is simple to install, simple to commission, simple to operate and simple to maintain. Our specialists are always available, from the moment you decide to incorporate ozone into your water treatment system. They are always happy to offer their expert advice - anywhere in the world. In the unlikely event that things aren't working as they should, we make sure replacement parts arrive quickly. In other words: you can count on us - on ProMinent, on our service team and on the OZONFILT® OZVa system.

NATURALLY!

The OZONFILT® OZVa system is also an integral element in our compact Dulcoclear water system.

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