



BONO ZON® FROM PROMINENT. OR:  
ELECTRONICS MEAN EXTRA CLARITY.

# VISIONS



ProMinent®



## THE ELECTRONICS MAKE IT POSSIBLE: SMALL SYSTEM: BIG PERFORMANCE.

The advances offered by our new Bono Zon® ozone generating system can be summed up in a few words: a significantly increased ozone generating capacity, even greater operating safety, and all

this in a highly compact unit. At the same time we prove that higher performance doesn't have to come at a higher price. More precisely: the ozone generating capacity now ranges from 40 to 720 g

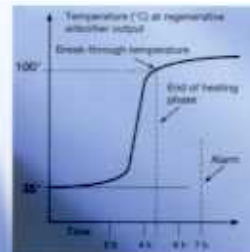
easily wall-mounted control cabinet also takes up a minimum of space. The ozone capacity can be controlled manually or automatically - for example via the DULCOTEST® ozone sensor or via a 0/4-

example: under partial load, an electronic monitor compares the ratio of voltage to current. Should the ratio constant vary, the system is shut down. The alternating regeneration of the two adsorbers

# INSIGHT

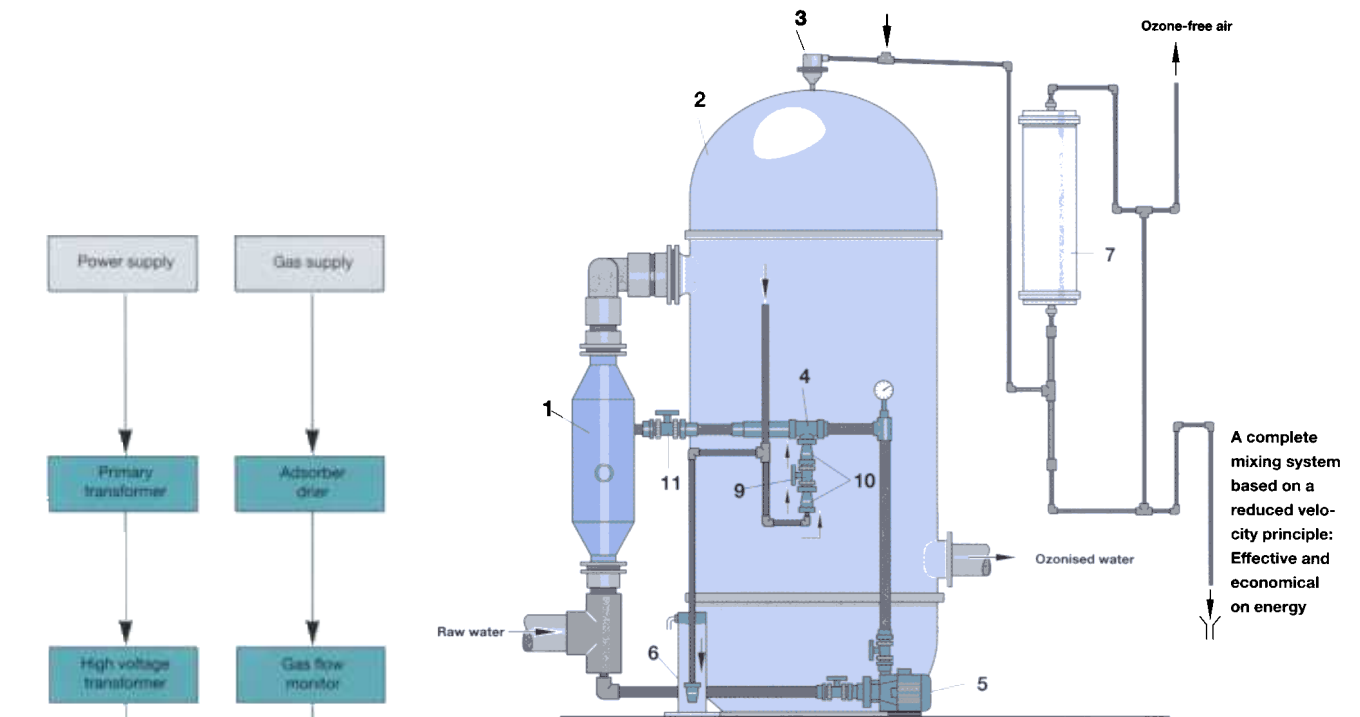
O<sub>3</sub>/h. The increase in capacity is the reason why the system is so compact - our new systems can achieve double capacity in half the space. The

20 mA signal. Bono Zon® systems prioritise two major features: safety and ease of operation. They run under negative pressure; a system which ensures that there is never any danger of ozone leakage. A pre-programmed controller monitors electronically all system functions and parameters. Any operating errors are displayed on the control panel so that any remedial action can be taken. Should any risk occur, the system shuts down. For

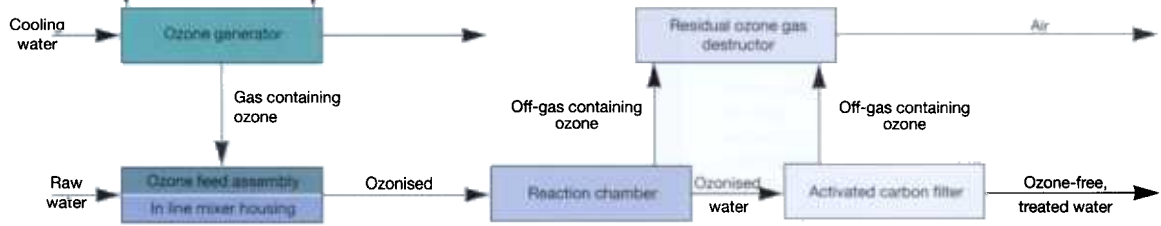


Significant energy savings via optimised drier regeneration period

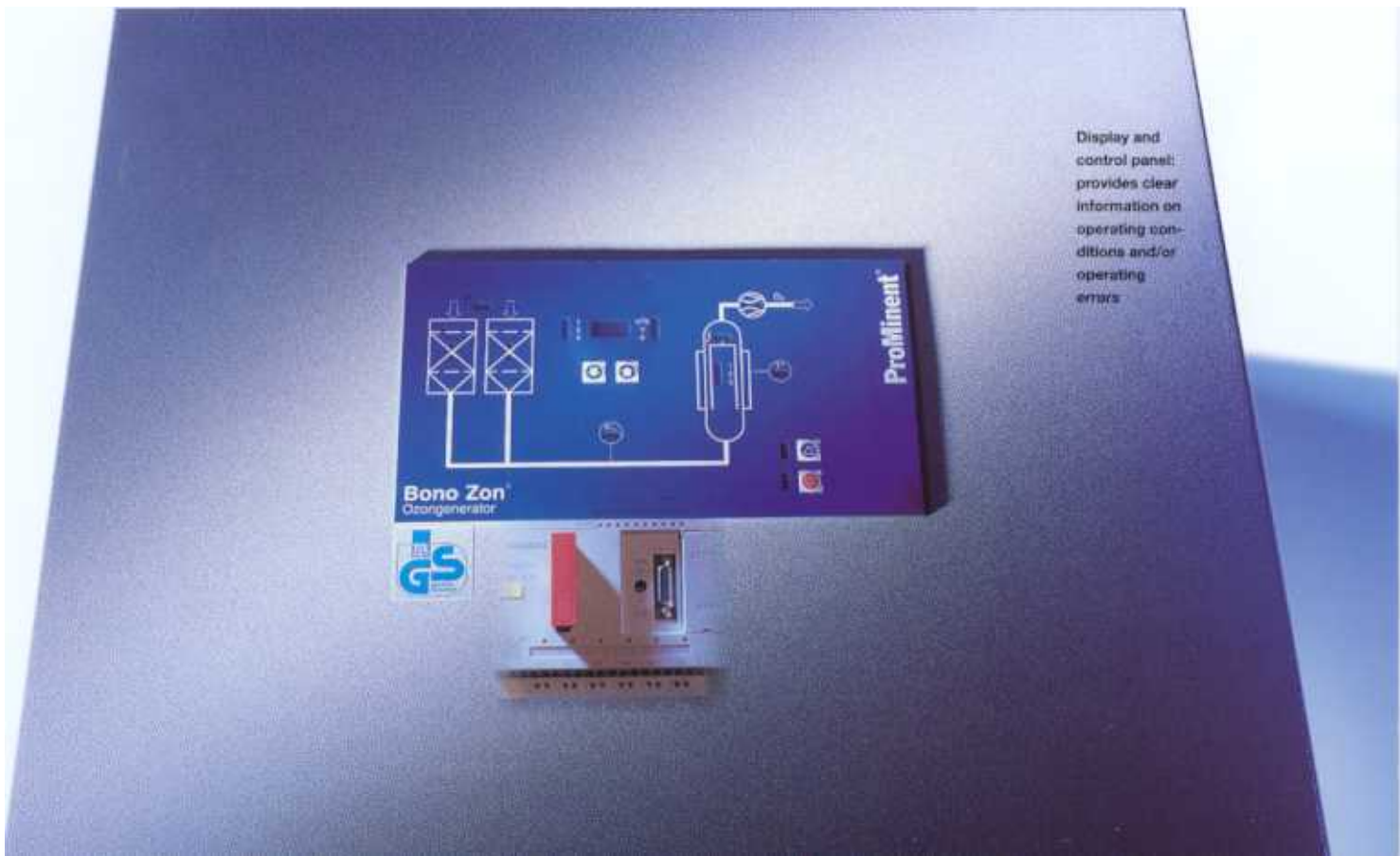
is also electronically controlled and heating is controlled via a thermostat. The heater switches off as soon as the break-through temperature is reached. This serves both to protect the ozone generator, and save on energy costs.



1= In-line mixer housing, 2 = Reaction container, 3 = Vent valve, 4 = Injector, 5 = Booster pump, 6 and 10 = Ozone-resistant fittings to prevent back flow to ozone compartment, 7 = Residual ozone gas destructor, 9 and 11 = Regulating valve



A complete mixing system based on a reduced velocity principle: Effective and economical on energy





The Bono Zon® series offers you choice from a high performance range of systems for a wide variety of end uses. The table below gives the capacity data for the BONA ozone generators

the planning stage, and to help you decide on any additional system components needed for your particular operational requirements. We will supply you with a purpose-designed injector and

drier system can serve two, three or four ozone generators. This type of system reduces investment and increases commercial effectiveness.

# OVERVIEW

used in the systems.

corresponding booster pump to ensure an opti-

Before it can be effective, ozone has to be dissolved in water. We will be happy to give advice on this at

mum ozone dissolving system. We can also design and supply multi-cycle systems. A shared

Type	Ozone capacity (g ozone/h)*	Number of ozone generators	Cooling water requirement (m <sup>3</sup> /h)	Air requirement (m <sup>3</sup> /h)	Width (mm)	Height (mm)	Depth (mm)
BONa 1B	40	1	0.06	2	800	1950	500
BONa 1A	80	1	0.08	4	800	1950	500
BONa 2C	120	2	0.12	6	1600	1950	500
BONa 2A	160	2	0.24	8	1600	1950	500
BONa 3A	240	3	0.32	12	2000	1950	500
BONa 4A	320	4	0.36	16	2400	2200	600
BONa 5A	400	5	0.40	20	2400	2200	600
BONa 6A	480	6	0.48	24	2800	2200	600
BONa 7A	560	7	0.56	28	3200	2200	600
BONa 8A	640	8	0.64	32	3400	2200	600
BONa 9A	720	9	0.72	36	3400	2200	600

\* measured in accordance with DIN at a concentration of 20 g ozone/cubic meter gas under norm conditions



**EXTENDED APPLICATION RANGE. OR:  
IT'S ALL GETTING CLEARER WITH BONO ZON®**



Improved technology - lots of new improvements: Bono Zon® generators have everything going for them, and this is reflected in their wide application range. Witness our ozone generators which are cur-

Ozone is used in the treatment of potable water to remove organic and inorganic contaminants, thereby preventing undesirable by-products from reaching the consumer. In the drinks industry, ozo-

ment of cooling water to prevent the proliferation of micro-organisms in the system. Subjecting cooling water to gentle microbiocidal ozone treatment means there is no need to add chemicals containing



Greater swimming pleasure - water without the odour of chlorine. Treatment with Bono Zon®

# OUTLOOK



Bono Zon® in the drinks industry: for sterile, crystal clear water

ne is used to remove iron and manganese from table water. In bottling it gives micro-biological protection.

chlorine or bromide. This reduces the AOX emissions as well as minimising the quantity of waste water.

ozone water treatment gives clear water, enabling visitors to view animals and fish underwater.

rently performing well in very varied situations around the world. This means that we put our full experience and expertise at your service, as demonstrated by these examples of ozone's many uses.

In both public and private indoor swimming pools ozone does away with the unpleasant chlorine smell. Treating swimming pool water with ozone effectively destroys bacteria and viruses.

In car wash installations it makes sense to reduce the consumption of fresh water by recycling used water back into the system. Ozone is used here to eliminate odour and remove contaminants.

These systems also prevent environmentally sensitive creatures from being subjected to harmful chlorine concentrations.

Ozone is used in the treat-

In zoo aquaria and pools,



Circulating water systems: economical treatment of car wash water systems



A clearer view for the Zoo's visitors and residents - Bono Zon® shows who's who



**ON EVERY CONTINENT PROMINENT IS THERE WHEN YOU NEED IT.  
OUR WORLD WIDE SERVICE.**

Not a Bono Zon® "component", but a highlight which you'll certainly learn about whenever you install our systems is our world wide service. At all times, on every continent, ProMinent®'s product -

range and service department is there when you need it. We offer our advice and comprehensive expertise in the field of ozone applications from the initial design onwards.

If ever things aren't working as they should, we can supply you with replacement parts in a very short time. You can carry on without disruption either to industry or business. You can rely on

# FORESIGHT

**Expertise, experience and ProMinent service: the deciding factors for the new Bono Zon® systems**



The first steps are especially important. Every application has individual requirements. We are happy to put the experience of our teams operating world-wide at your service.

ProMinent, our service and the Bono Zon® systems. All round reliable performance, easy to operate and practical, the latest electronics, excellent cost of ownership ratio - choose Bono Zon®, choose comprehensive ozone expertise.



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