



DR. HÄNSLER **OZONOSAN**

## Products | Ozonosan alpha plus



The Ozonosan alpha plus with its continuous and accurate measurement of a controlled  $O_3$  supply is ideally adapted for the whole treatment range.

The Ozonosan alpha plus supplies the broad concentration range from 1  $\mu\text{g/ml}$  up to > 100  $\mu\text{g/ml}$ , which corresponds to 0.05 - 5 volume % ozone.

And the Ozonosan alpha plus produces ozonized water, automatically with optimum ozone dose and optimum saturation level.

With its controlled volume flow, controlled hightech pump units and high charge, autoregenerative catalyser system, the alpha plus is the ideal prerequisite for effective local ozone treatment.

Apart from local ozone applications (disinfection, wound healing) systemic therapy in the form of major ozone infusion via the patient's own blood or rectal insufflation are the methods of choice, not only because they make use of the antiinflammatory and circulation-enhancing effect of  $O_3$  (activation of intracellular antioxidants, NO induction) but because they also counteract hypoxaemia (improvement of oxygen supply).

- Concentration range: 1 µg/ml to > 100 µg/ml corresponding to 0,05 - 5 Vol % ozone, measured continuously
- Water ozonizer with optimum ozone dose
- 3 different gas flows, adjustable hightech pump
- Highly efficient catalyzer system, auto regenerative as absolute prerequisite for an effective topical ozone treatment

#### Recommended concentrations and applications\*

**10 - 30 µg/ml** - for all forms of systemic treatment in accordance with the „low dose concept“

**80 - 100 µg/ml** - locally, where rapid wound healing is required

**15 - 25 µg/ml** - locally, for progressive wound healing

**100 - 130 µg/ml** - for the production of ozonized water

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#### Technical data

	Alpha Plus	Photonik	Boardcase
<b>Configuration</b>	Floor mounted appliance, movable	Tabletop unit, compact and shapely	Portable and mobile, in a trolley case
<b>Mode of operation</b>	Normobaric infusion technology. Patient is not connected to device during treatment		
<b>Concentration range</b> [µg/ml]	2 - >100 continuously adjustable	2 - 75 continuously adjustable	2 - 50 continuously adjustable
<b>Photometric measurement</b>	Continuous ozone measurement with automatic calibration, shown by the Display		
<b>Gas flow</b> [l/min]	1 - 3 - 6 depends on concentration range	1 - 8 continuously variable, flowmeter integrated	1-12 continuously variable
<b>Operating pressure</b>	0,5 bar		
<b>Ozone supply outlet</b>	3 way safety valve for continuous ozone outlet, syringe filling and removal of residual ozone		
<b>Catalyzer</b>	Powerful and steam resistant. Exchangeable by operator without any tools		
<b>Suction pump</b>	Integrated powerful and effective ozone suction pump, continuously variable between 0 and 0,8 bar		
<b>Preparation of ozonized water</b>	Integrated. 3 liter reservoir, 1 liter preparation	Ozonosan WOG (optional accessory) (REF 1030)	
<b>Dimensions</b> [mm]	850 x 450 x 450	550 x 200 x 375	550 x 190 x 400
<b>Weight</b> [kg]	38	20	17,5 with internal oxygen cylinder

<b>Electrical data</b>	230VAC, 50cycles, 1.2 A; Protective Class I, Type B
<b>Classification</b>	II a according to EU directive for medical devices MDD 93/42/EWG
<b>Marking</b>	CE 0123
<b>Guarantee</b>	2 years. Ozone generating tubes and catalyzer 5 year