

# MicroGap Ozone Driver



## Features

- Dual-cell output with balanced power distribution.
- Per-cell live monitoring: voltage, current, power (with interlock logic)
- High ignition voltage enables startup over wide gas pressure ranges.
- Wide control range: 9–100% with full-range soft start.
- Long cable length supported between power unit and ozone generator
- Single and 19 inch rack versions available
- Programmable peak voltage: Prevents ozone cell damage
- **Modbus** control, **Bluetooth** monitor (IOS and Android) optional
- Very wide input voltage range
- High efficiency, High PF and Low input current THD

## Applications

- Water treatment (drinking, waste, cooling, pools)
- Industrial applications (food, beverage, pharmaceutical, cosmetics, pulp and paper bleaching, textile)
- Air and Gas Treatment (Odor control, VOC)

## Ordering information

Description	Part number	Packaging
MicroGap Ozone Power Supply	*****	1pcs/box

## Input

Input voltage	230Vac $\pm 10\%$ or 400/440/480Vac $\pm 10\%$
Input current	9A max. at 230Vac 5A max. at 400Vac
Input frequency	50/60 Hz $\pm 3$ Hz
Inrush current	7.5 A max. at 528 Vac
Power Factor	> 0.98
Current THD	< 5% typ.
Standby power	< 5W

## Output

Total output power	150 - 1700W
Number of ozone cells	1* or 2
Output voltage	1 - 7kV <sub>p</sub>
Output current per cell	5A <sub>rms</sub> max.
Power control	9 - 100% softstart
Power accuracy	$\pm 5\%$
Frequency	35 - 80kHz (sinusoidal)
Load capacity per cell	2-5nF (Adjustable on request)

\* Both outputs can be connected in parallel

## Miscellaneous

Efficiency	> 91%
Protections	overload, over-voltage, over-current, short circuit, temperature
Cable length	10m max.
Cooling	forced air cooling
Operating conditions	0°C - +55°C / 32°F to 131°F 25 - 95% non-condensing
Storage conditions	-25°C to +70°C / -13°F to 158°F 20 - 95% non-condensing
Approvals	CE / cUL / FCC47 part18 Designed for compliance - testing pending
Weight	Driver: 7,3kg / 16.1 lb Z-Match Module: t.b.d.
Dimensions driver	395 x 244 x 87 mm 15.6 x 9.61 x 3.43 inch
Dimensions Z-Match Module	t.b.d. mm t.b.d. inch
Connector types	Input: Phoenix PC 5/ 3-G-7,62 Output: t.b.d. Modbus control: Modular Jack RJ45

Specifications subject to change without notice RH20250717