

# 91002

Dual output generator up to 2 x 12 kW



## A milestone in corona generator technology

In combination with a SOFTAL corona or plasma station the 91002 series generator provides functionalization and optimal adhesion on the surface of your products.

This milestone in generator technology offers a variety of advantages for the daily routine in production, which we know, through long experience, will really count at the end of the day.

## Product features

### Two individually controlled outputs

Modular design with two separate control groups each with complete inverter module.

### Straightforward service

The inverter modules are all identical and therefore easily exchangeable without the necessity of a service visit.

### Intuitive operation

The generator has as standard a colour touch screen with intuitive operator guidance. This operator interface provides maximum process control. The generator may also be controlled with analog interface or Fieldbus as options.

### Remote maintenance

A digital interface allows SOFTAL service to connect to the generator and access diagnostic and operation memories. Expensive service visits can be minimised without compromising service quality.

*Adhesion guaranteed!*

# Generator 91002, dual output generator up to 2 x 12 kW

## Technical features

- 12 kW inverter modules mounted on cold plates (number dependent on power and application).
- Intuitive operator guidance with colour TFT touch screen, which may be password protected as required.
- Operator menu in various languages.
- Output power control in Watts, with two separate controllable outputs.
  - Symmetric control (e.g. 50% - 50%).
  - Asymmetric control (e.g. 30% - 70%)
  - Individual separate control
- IGBT power output stage short circuit protected.
- Greater than 95% efficiency of the output stage of the generator through operation at resonant frequency.
- Stable control of the output power using feedback control system.
- Early detection and warning of deviation from standard (voltage, current, temperature).
- Operation and diagnostic memories stored in real time.
- Monitoring of output power module temperature (°C or °F).
- Alarm output (230V, 500mA or potential free).
- Treater roll rotation monitor with selectable minimum corona start/stop speed.

## Optionen

**Software:** Controlled Corona Power factor (CCP), Duty Cycle Regulation (DCR), Soft Corona Start (SCS), Skip Corona Treatment (SCT), LookBack, Remote maintenance.

**Hardware:** Remote control, ozone extraction fan connection, audible or visual alarm, autotransformer for special voltages, cabinet cooling system.

## Technical data

<b>Treatment power</b>	2 x 2 kW to 2x 12 kW
<b>Output frequency</b>	15 – 30 kHz
<b>Mains voltage</b>	3 x 380 – 460V, 50/60 Hz
<b>Protection</b>	IP43
<b>Dimensions (WxHxD)</b>	600 x 2200 x 600 mm
<b>Weight</b>	approx. 200 - 220 kg
<b>Colour</b>	RAL7035, light grey, textured
<b>Environment temperature</b>	max. 40°C (without optional cooling system)
<b>Optional remote control</b>	- TFT colour touch screen - Analog interface (FS04) - Fieldbus (CANbus, Profibus, ProfiNET, Device Net, Control-Net, Ethernet IP)



Improved dyeing



No more wet chemicals



Low operating cost



Improved adhesion



High wettability



Custom-engineered solutions



SOFTAL Quality



Environmentally friendly process



Uninterrupted operation