91001

25 – 48 kW Generator

A Milestone in Corona Generator Technology

In combination with a SOFTAL corona or plasma station the 91001 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

Modular Construction
with assemblies utilising up to four complete 12 kW inverter modules.

Straightforward service
The inverter modules are all identical and therefore easily exchangable 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!

SOFTAL
CORONA & PLASMA

Generator 91001, 25 – 48 kW

Technical features

- 12 kW inverter modules mounted on cold plates (number dependent on generator 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.

- 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 memorie 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.

Options

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

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

Technical data

Treatment power	max. 48 kW
Output frequency	15 – 35 kHz
Mains voltage	3 x 380 – 460V, 50/60 Hz
Protection	IP43
Dimensions (WxHxD)	800 x 2200 x 600 mm
Weight	approx. 310 kg
Colour	RAL7035, light grey, textured
Environment temperature	max. 40 °C (without optional cooling system)
Optiona remote control	- 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

SOFTAL
CORONA & PLASMA