

Humid Environments

Options



SOFTAL Solutions for humid environmental conditions

Reliable operation in humid environments has long been one of the key advantages of SOFTAL equipment. The mainstay of our success is an integrated approach to mechanical and electrical engineering which is a standard feature on SOFTAL systems. Under some extreme environmental conditions, additional measures may have to be taken to ensure maximum uptime of the equipment. SOFTAL solutions for humid environments feature optional packages for new systems as well as upgrades to existing equipment allowing the customer to adapt the SOFTAL equipment to local requirements.

Product features

Soft Corona Start

Easy and reliable start-up of the corona treatment even where high condensation levels on the high voltage parts occur.

Controlled Stop Flap

When the equipment is turned off, condensation of back flowing humid air inside the corona electrode is avoided.

Heated Air Start-up

Maintaining the electrode temperature above condensation point before corona start.

Heated High Voltage Insulators

Even under very difficult production conditions, high voltage carrying parts inside the electrode are kept at a sufficiently high operating temperature to reliably avoid condensation.

Adhesion guaranteed!

Humid Environments Options

Soft Corona Start - SCS

SCS is a standard feature on SOFTAL corona generators. Together with specialty ceramics used in the electrode design, SCS provides the basis for SOFTAL reliable operation in humid environments. SCS ensures easy and reliable start-up of the corona treatment even where high condensation levels on the high voltage parts occur. SCS upgrade can be supplied on most older SOFTAL generators..

Controlled Stop Flap - CSF

Especially in environments with a temperature and pressure drop from outside to inside, CSF avoids condensation of back flowing humid air inside the corona electrode when the equipment is turned off. Depending on the operating status, CSF controls a stop flap in the extraction system and the extraction fan.

Heated Air Start-up - HAS

In very humid production environments where the corona may be switched off for longer periods, extensive condensation may occur on the cold electrodes at start-up. HAS effectively avoids the condensation by maintaining the electrode temperature above condensation point before corona start.

Heated High Voltage - HHV

HHV ensures that even under very difficult production conditions, high voltage carrying parts inside the electrode are kept at a sufficiently high operating temperature to reliably avoid condensation.



SOFTAL Quality



Uninterrupted operation



Custom-engineered solutions