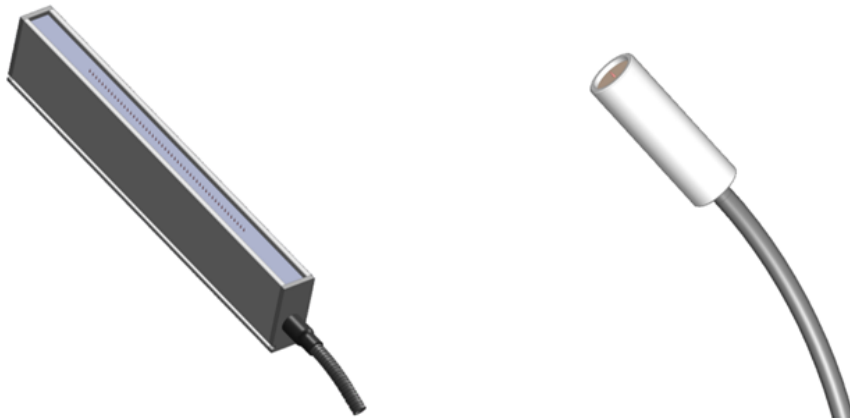


Valstat® VC series electrostatic charging electrodes are designed to be used with 20 kV, 30 kV and 60 kV. Valstat® PC series high voltage generators of either polarity.

Valstat® VC series static charging electrodes are available in two variants; point static chargers and linear static charging bars. Point static chargers are available with one to three static charging points, and static charging bars are available in standard lengths up to three meters. Both are supplied with high voltage cable enclosed in a flexible conduit.

The Valstat® VC series charging electrodes and Valstat® PC series high voltage generators together provide a compact, sturdy and efficient system for generating electrostatic charges in a variety of industrial applications. These charges are most useful to enhance production by creating a temporary bond/attraction between two materials, one of which has to be an insulator.

Point charging electrodes are suitable for applications that require localised charging, like edge pinning, in-mould labelling etc. Charging bars are used to generate electrostatic charges in linear applications like sheet stacking, pinning tracking etc.,



Features :

- Engineered plastic enclosure, with epoxy, encapsulated parts
- The standard length for bars is 3000 mm. Custom made higher lengths are possible
- 3 metres interconnecting HV cables
- Easy installation and start-up
- No maintenance required, except for periodic cleaning
- Tested for safety under stringent conditions

Valstat® PC series high voltage generators are designed to provide HV DC supply to Valstat® VC series static charging electrodes and other systems. They give a stable high voltage DC output even under severe conditions.

Together, they form an ideal solution for creating controlled levels of static charges that provide temporary bonding between materials.

With precision becoming extremely important in production processes, the Valstat® charging system provides a simple solution for a range of electrostatic charging applications in the industry. These include:

Applications:

- Pinning
- Stacking
- In-mould labelling
- Ribbon tacking
- Roll to roll transfer
- Mask making
- Plastic bag making
- Chill tack system
- Flocking
- Web moisturising
- Wood and laminates
- Melt blown line



The charging generator is available in predefined positive or negative supply. Adjustable output helps in achieving desired levels of charging. Current control with voltage limit and voltage control with current limit options possible.

Specifications

- Input power: 240 V AC, 50Hz
- Output options:
 - 0- 20kV, 2 mA
 - 0- 30kV, 2 mA
 - 0- 30kV, 5 mA
 - 0- 30kV, 7.5 mA
 - 0- 60kV, 2.5 mA
- Polarity: Predefined positive or negative
- MS fabricated powder-coated enclosure
- Ripple factor: 0.1% p-p of max.output voltage

Output and Interface

- HV output: Two high voltage output terminals
- Controller: Simple potentiometer with indicators or digital controller unit with simple operator interface
- Operating modes: User selectable voltage or current mode
- Limit functions: User selectable current or voltage limitations
- Interface: Optional external analogue interface optional Modbus RS 485