

**Valstat® VR20X** Ex-proof ATEX certified static charge eliminators are suited for neutralising electrostatic charges from moving films and paper in solvent based printing, coating and laminating machines where solvents like ethyl acetate, toluene, MIBK, MEK and IPA are used. Ambient temperature range is 0 to 50°C.

A row of electrodes, provided along the active length of the bar, generate ions of both polarities, to ensure that positive and negative charges are quickly and effectively neutralised.

### Features:

- Certified for use in hazardous environments
- Shock-less and spark-free
- Safe even when power supply is off; by passive discharging through electrodes
- Ease of installation through sliding brackets for mounting
- No maintenance required, except for periodic cleaning




**Valstat® PS60C** is a HV power supply system used with Valstat® VR20X static eliminating bars. The Valstat® PS60C power source must be positioned outside the hazardous location and to be connected to the Valstat® VR20X static eliminating bars, which are designed to be positioned in hazardous areas.

### Features:

- Very low power consumption: 40VA
- 230V, 50/60 Hz, single-phase input
- Stable HV output, with in built current limit
- Three HV output connectors for VR20X bars
- Easy installation and commissioning
- Mild steel fabricated, powder-coated enclosure
- Compact, dustproof and rugged construction



### Technical specifications of VR20X

Input supply	HV cable is an integral part of the bar. Supply to be only from Valstat® PS60C power source
Cable	2 meter HV cable in plastic conduit provided as a standard. Additional length on prior request (from 0.5 m to 10 m)
Ambient temperature	0 to 50°C
Ambient humidity	Up to 70% RH, non-condensing
Construction	Engineered plastic enclosure with epoxy encapsulation
Discharge electrodes	Special alloy
Mounting	Sliding brackets provided as a standard
Weight	Approx 1 kg per meter length
Overall length (OL)	EL + 80 mm
Effective length (EL)	15 to 4410 mm. For higher web widths, please contact us
Mounting distance	10 to 50 mm from substrate (25 mm optimum distance)
Maximum speed of target	Up to 1000 metres per minute
Operating voltage	6000 V AC from PS 60C
ATEX approval	Baseefa16ATEX0127X
ATEX marking	 II 2G IIA T6 Gb (0°C≤Ta≤50°C)

### Technical specification of PS60C

Input supply	230V AC $\pm$ 10%, 50/60 Hz, single phase. Earth connection is mandatory
Input connection	Use only with certified European power cord (3 core x 0.75 sq.mm), plug and appliance coupler
Appliance inlet	C14 according to IEC 60320
Ambient temperature	0 to 50°C
Ambient humidity	Up to 85% RH, non-condensing
Consumption	Maximum 40VA
Input fuse	Replaceable 20 mm glass fuse, 2A / 250VAC
Output connections	3 plugin type HV connections for connecting to Valstat® VR20X static eliminating bars
Loading capability	Total effective length of connected VR20X bars plus HV cable should not exceed 15 metres
Nominal output voltage	6000 VAC
Output current	4 mA short circuit current
Enclosure	Sheet metal, powder coated
Weight	About 3.3 kg
Earthing	External ground terminal provided on housing
Dimensions	290 mm x 140 mm x 142 mm
Note	Valstat® VR20X AC static eliminating bars can only be connected with PS60C