

VR 20 X STATIC CHARGE ELIMINATOR



(ATEX certified)

Valstat® VR 20 X static charge eliminators are high powered static eliminating bars, designed for neutralising electrostatic charges from fast plastic films, paper and such non-conductive substrates (webs) in explosion prone areas.

A row of electrodes, provided along the active length of the bar, generate ions of both polarities, ensuring that positive and negative charges are very quickly and effectively removed from the target.

Valstat® VR 20 X bars are powered by Valstat® PS 60 C high voltage AC (HV AC) power sources to provide a compact, sturdy and extremely efficient system for removal of electrostatic charges.

Benefits:

- ★ Certified for use in hazardous location
- ★ Shock-less and spark-free; no shock when touched and no sparks if accidentally earthed
- ★ Good safety even when power supply is off; by passive discharging through electrodes
- ★ Ease of installation through sliding brackets for mounting
- ★ No maintenance, except for periodic cleaning



Dimensions:

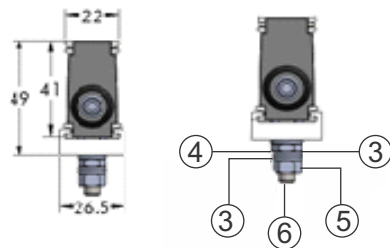
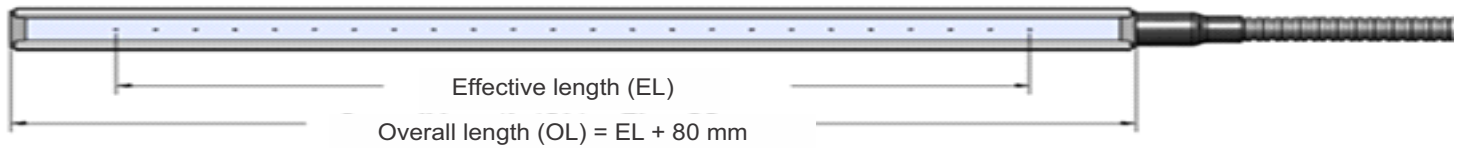


Fig. 1

1. Sliding bracket
2. Conduit
3. M6 washers (3x)
4. M6 lock nut
5. M6 x 20 hex bolt
6. M6 nut

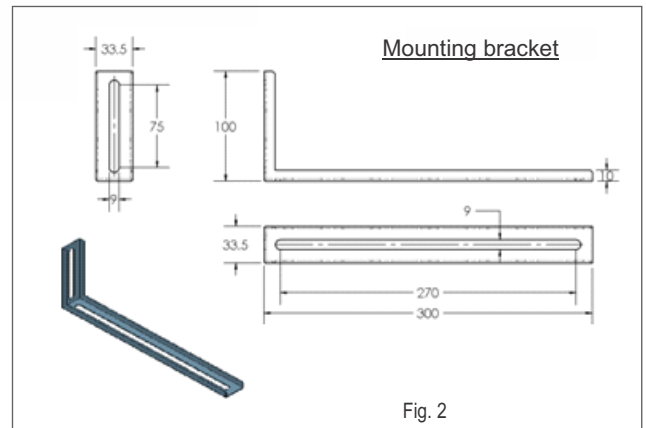



Fig. 2

Technical specifications:

Input	HV cable, supplied as an integral part of the bar. Supply to be from Valstat® PS 60 C power source
Connection	Plug-in type HV connector, which is an integral part of HV cable of VR 20 X bar
Cable	2 meter HV cable in plastic conduit as a standard. Lengths variants on prior request (from 0.5 m up to 10 m)
Ambient temperature	0 to 50°C
Ambient humidity	Up to 70% RH, non-condensing
Construction	Engineering plastic enclosure with epoxy encapsulation
Encapsulation compound	Epoxy resin with hardener UL approved
Discharge electrodes	Special alloy steel
Mounting	Standard sliding brackets provided
Weight	1 kg per meter length approx.
Effective length	15 mm to 4410 mm separate options are available for higher lengths
Overall length	95 mm to 4490 mm
Mounting distance	10 mm to 50 mm from substrate
Maximum speed (MPM) of target substrate	Up to 1000 MPM
Power source	Use only with Valstat® PS 60 C power source
Dimensions	Refer fig.1
High voltage connection	6000 V AC for PS 60 C
Operating voltage	6 kV AC 50 Hz
Short circuit current per pin	Max 0.042 mA
ATEX approval	Baseefa 16ATEX0127X  II 2 G IIA T6 GB (0≤Ta≥50)

Manufactured by:



An ISO 9000:2015 certified company

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* Product specifications are subject to change