

Valstat®

DP10 PASSIVE DISCHARGE PAD

Static electricity accumulates on the human body, as you walk and move. You can also pick up significant charges through a phenomenon called 'induction', when you are in the vicinity of a material or process that has high levels of static electricity. The chances of such an occurrence are higher when the relative humidity is low.

When a static charge level equivalent to 3000 Volts or more builds up within you, your body receives a shock when you touch anything that is grounded or another object of lesser potential. Even at lower levels, you are discharging static without being aware of it.

This transfer of charge is called an electrostatic discharge. It can be painful to you or destructive to the object you have discharged into, like a phone, a computer, or an electronic component or circuit. At times, these discharges can occur as sparks, which are extremely hazardous in an atmosphere with flammable gases or liquids or materials that have a low explosion level or flashpoint.

To eliminate such shocks, protect your electronic equipment and avoid sparks, place AxisValence Valstat® passive discharge pads at strategic locations such as desks, walls, partitions, filing racks, cupboards, machines, factory, shop, etc.

Valstat® DP10 static discharge pads are antistatic touchpads with a static dissipative layer that conducts static charges safely to the ground and help keep people and equipment safe from electrostatic discharges or ESDs.

Valstat® DP10 pads are available in 1'x1' size. All that needs to be done is to place them at the desired locations and connect them to the earth using the supplied wire.

The benefits of working with the AxisValence business unit of A.T.E. group, begin with our distinctive position in the market. We understand your application requirements by ascertaining levels of prevalent static charges, the ways of removing those charges, the ambient conditions, dimensional constraints, etc. In close coordination with A.T.E.'s technical team, we apply our knowledge and experience to offer you a suitable solution without affecting the process.



A.T.E. ENTERPRISES PRIVATE LIMITED

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CIN U51503MH2001PTC132921



Valstat® PB20 passive static discharge brushes are made of low micron controlled resistivity fibres. The fibres are made of woven fabric and are very soft, but durable. Thus, there are no chances of scratches on the web even if brush fibres touch the web.

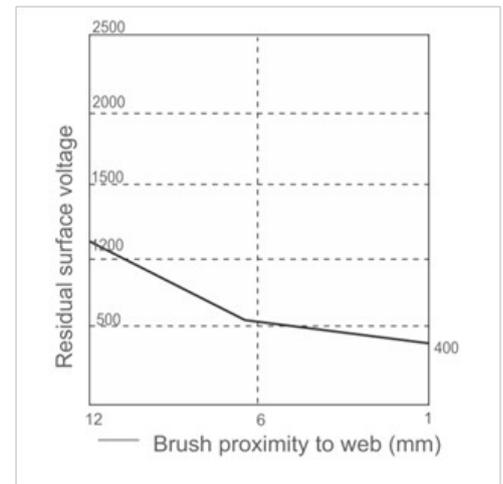
Housed in a powder-coated aluminium extruded section, Valstat® passive static discharge brushes perform more efficiently when the electrostatic charge on the web is high. Being passive static discharge brushes, they require no power and are suitable for mounting in hazardous locations. A Valstat® static discharge brush needs to be positioned very close (about 5 mm gap) or nearly touching a charged web to minimise the electrostatic from the substrate and send it to the ground.

Valstat® passive discharge brushes can be combined with Valstat® active static eliminating bars to form a potent static elimination tool for virtually any web-fed application

Features:

- Soft, yet robust fibres
- No scratches on substrate
- Powder-coated, extruded aluminum housing
- Controlled resistivity
- 100 to 3500 mm effective length
- Assured and dependable quality
- Extremely durable and long-lasting
- Easy installation/retrofit
- Supplied with mounting brackets
- No maintenance required, just periodic cleaning

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Effectiveness of Valstat® static discharge brush; in proximity to the web. Web speed 325m/min. Initial surface voltage - 10 kV