

Ionising Airshower entry air locks:

Personnel entering critical environments are often cleaned of potentially contaminating particles retained on their clothing before entry by means of exposure to high velocity clean air jets.

Air lock chambers containing these air jets are known as an Airshower of which there are many designs and sizes available. The air used inside the Airshower is fan driven usually self contained, filtered and recycled. The air jets pass through nozzles known as punker louver nozzles which are directionally adjustable to suit the user's needs.

Occasionally personnel's clothing can retain particles despite exposure to the punker louver nozzles jets of air. This is usually caused by electrostatic attraction to the garments, rendering the airstreams from the punker louver nozzles partially ineffective.

The airstreams can become ionised and thus more effective by one of the several methods.

Most simple is the installation of AC ionizing bars (Super 80 or 1250S) inside the air delivery plenum directing the effective face of the bar(s) across the inner aperture of the punker louver nozzles.

