

## Model 4200 Ionised Air Nozzles

The 4200 Static Eliminator should be considered for most cleaning applications and also for long range static neutralisation. It is an alternative to Model 5000 and 5100 Ionised Air Knives.

It consists of a 1250 Bar mounted onto an aluminium bracket with air nozzles, as shown below:



### General Assembly

**The 4200 is very versatile. The quantity and position of the nozzles can be varied according to the customer's requirements.**

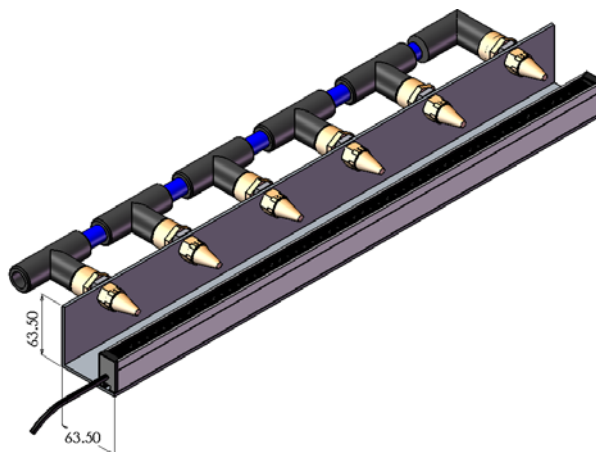
For example if three small products, 200mm apart, need to be cleaned at the same time the nozzles can be positioned 200mm apart so that no compressed air is wasted.

Dust Removal: if wide area cleaning / dust removal is required we recommend that the pitch of the nozzles is 100mm and the object is placed 150mm away. A minimum air pressure of 3-4Bar will be required. The maximum air pressure is 7 Bar.

Static Neutralisation: if wide area static neutralisation (without dust removal) is required the pitch of the nozzles can be increased to 200mm and the object can be up to 1.5m away, depending on the air pressure.

### Dimensions

The overall length of the 1250 Bar and bracket is 100mm longer than the nozzle system.



## Notes

## Air Supply

The air supply should be regulated down to the pressure required to do the job. This can be from 1 Bar for a gentle ionised air flow, to 7 Bar for removing stubborn dust. The air should be clean and dry.

### Pipework:

All the air connections between nozzles are made in the factory so that the customer only needs to make one air connection. For systems up to 12 nozzles this is ½" female. Other sizes can be supplied as requested.

Air consumption – same per nozzle as 4100 Ionised Airgun (see manual entry for 4100)

## Applications

Generally the same as 5000 Ionised Airknife – dust removal and wide area static neutralisation.



**A large double sided nozzle system for cleaning plastic sheets**

## Notes