

# HS Static Control Nozzle



HS Static Control Nozzles are "shockless" nozzles. The term shockless indicates that the ionizing point, located inside the nozzle tip, is capacitively coupled to the high voltage source, thus limiting the current at the point to a very low level. Under normal conditions, direct contact with the point will not result in a shock sensation. HS Static Control Nozzles can be installed individually, in series, and mounted on a standard air bar header.

UL, CSA, and FM approved.

## Specifications

|   |  |
|---|--|
| Line Voltage Requirements                 | 115 V, 50/60 Hz, 230 V, 50/60 Hz             |
| Size (Individual Nozzle)                  | 2.5" H x .87" W x 3.5" L                     |
| Maximum Air Pressure (clean, dry air)     | 100 psi maximum                              |
| Air Flow (at 30 psi)                      | 4.4 SCFM at 30 psi                           |
| Air Supply Connection                     | 1/8" NPT on nozzle                           |
| Working Distance from substrate           | 3" to 10"                                    |
| Operating Temperature Limit               | 150° F (66° C)                               |
| Static Charge Discharge Time              | 0.6 seconds at 6" at 30 psi (5000 V to 500V) |
| Part Numbers:                             |  |
| HS Nozzles - Individual Nozzles           |  |
| HS Nozzle - Thru                          | 4002631                                      |
| HS Nozzle - End - 10                      | 4002632                                      |
| HS Nozzle - End - 20                      | 4002633                                      |
| HS Nozzle - End - 30                      | 4002634                                      |
| HS Nozzles - Complete Assembly On Header: |  |
| 3" centers - Thru                         | 4103975                                      |
| 4" centers - Thru                         | 4103976                                      |
| 5" centers - Thru                         | 4103977                                      |
| 6" centers - Thru                         | 4103978                                      |
| 7" centers - Thru                         | 4103979                                      |
| 8" centers - Thru                         | 4103980                                      |
| 9" centers - Thru                         | 4103981                                      |
| 10 " centers - Thru                       | 4103982                                      |
| HS Nozzles - End                          | 4103983                                      |