



## 1. GENERAL

SiDAT-F96 lightning air terminal is the ions dissipation air terminal which has the great characteristic to dissipate the positive ions from ground to exchange with the negative ions at the lightning cloud to be neutral, as the result the lightning ions will not be accumulated enough to have a lightning strike in the protected area or means **less lightning strike in the protected area** as well.

The SiDAT-F96 lightning air terminal is also using the Faraday theory, with UL96 standard, in the case of rapid accumulate of the lightning ions which have not enough time for SiDAT-F96 to neutralize, the lightning will strike at the tip of the SiDAT-F96 lightning air terminal which same principal

## 2. FEATURES

- 2.1 Ions Dissipation Lightning Air Terminal
- 2.2 Eliminate the direct lightning strike in protected area
- 2.3 **Less lightning strike in the protected area**
- 2.4 Self-contained & maintenance free
- 2.5 High corrosion resistance
- 2.6 No triggering device, none electronic component concept
- 2.7 Flexibility for installation in all environments

## 3. SPECIFICATIONS

- |                                 |  |
|---------------------------------|--|
| 3.1 Material                    | Stainless steel                          |
| 3.2 Ionizer Dissipation Element | > 3,500 stainless steel discharge points |
| 3.3 Overall Length              | Approx. 585 mm.                          |
| 3.4 Tip Dimension               | Dia. 5/8" stainless steel                |
| 3.5 Weight                      | 3.0 kg.                                  |

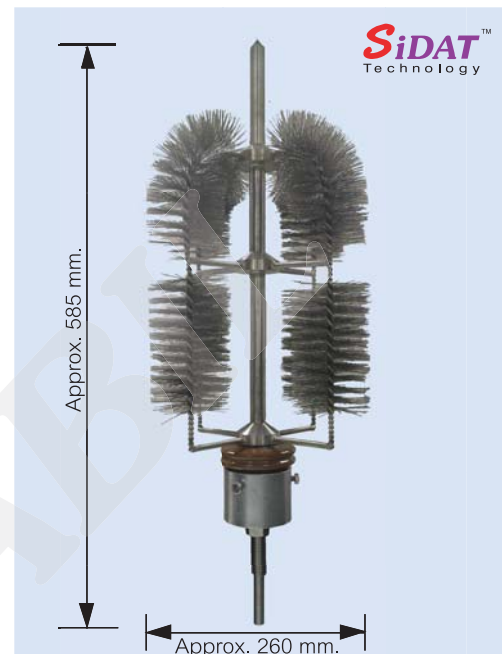
## 4. APPLICATION / STRUCTURE

SiDAT-F96 lightning air terminal is Designed & Manufactured according to the UL96 standard with Faraday's multi points ionizer tips designed to give various wide range of degree protection angle.

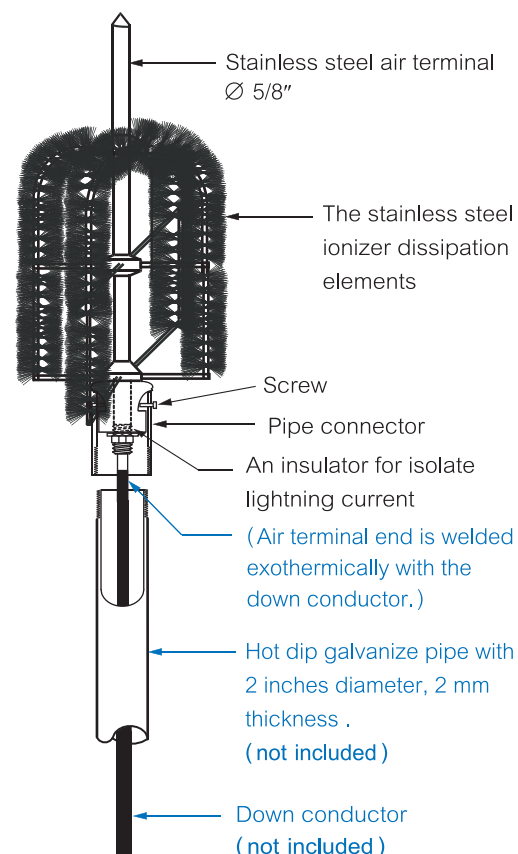
When storm is really intense, a down leader is initiated and found its way to earth. When the down leader approaches the earth causing the electric field to increase up to 20 kV/m. At this point, an upward streamer is initiated at the tip of the air terminal to intercept the down leader reducing the intensity of the lightning discharge and providing safety to the systems and personals.

## SiDAT-F96

Ions Dissipation Lightning Air Terminal



## 5. STRUCTURE DETAILS



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