

Product description

Single needle lightning air terminals is the metal inner conductor download with non-inductive, low impedance, after the lightning flash then transport currents to the earth, and protect antenna tower or building get rid of occurring sideswipe and charged. In most cases, the impact of electrostatic field is less than the tower cable impedance 1 / 10, to avoid building or tower live and eliminate flash over; limits the buried current strength ,so that the protected equipment to be reduced the hazards of the counter and Induced over-voltage.

The material of mast-type lightning air-termination system is stainless steel, pin is high (1500, 2500 ,3500 ,4500,6000) mm, while it can increase height by retrofitting tower base, and it also can be professional customized according to customer demand. The scope of protection is according to national standard GB50057 ball method; special specifications are according to customers' requirements.

It is widely used in petrochemical warehouse, gas stations, building buildings, a beacon, communication stations, meteorological offices, military bases, radar equipment room, bank building, etc.

Technology Parameters:

Model	KLF-B03-15
Lightning intake capacity(KA)	300
Wind strength(m/s)	40
Take flash pin number number	1
Weight(KG)	≤8
Needle height(m)	1.5
Working temperature	-40~+80°C
Materials	Stainless steel



Product installation

1. Pour in advance cement base at the installation location, size 400mm×400mm×600mm (length×width× height) and embed anchor bolts or expansion screws.
2. Installation lightning rod: Fix the base set of lightning rod to pre-cast concrete base, then link reliably the lightning rod tower base and cement base with anchor bolts (or expansion screws).
3. The lightning rod should be installed in the tower, tower or other buildings, the flange plate of lightning rod must be higher above 1.5m than the highest protection, according to this requirement to heighten tower or set tower height.
4. Get rid of installing and testing of lightning rod on the thunderstorm day.
5. The grounding wire of lightning rod must be connected with reliable grounding rods, ground wire is green 2and yellow color and its cross-sectional area is BVR-25mm multi-strand copper wire.
6. Make regular inspections (once a year) to make sure the connection of the lightning rod the screw, welding is solid or not, ground down lead is connected with the grounding system reliably or not. If we find that connection of the screw, weld is corroded serious, we shall replace the screw to re-connect, re-soldering the original weld.

