

# RUKS ENGINEERING LTD

## OZONE GENERATOR TECHNICAL SPECIFICATIONS

1. All metal parts of the Ozone Generator shall be Stainless Steel 18 G.
2. Method of production of ozone shall be by corona discharge with multiple plate, duct mounted, double sided, low production density, corona plates.
3. Transformer shall be Electrical Inductive Type, listed to UL506, and tested and rated by UL for safety against fire and smoke for use in HVAC ducts to UL2043.
4. Transformer shall not damage, burn or elevate in temperature, even if short circuit occurs. Shall revert to normal operation upon removal of short circuit.
5. Transformer shall be fully encapsulated and housed in 18G Steel enclosure for safety against moisture and water impregnation.
6. Passage of high voltage conductor through metal shall be protected with porcelain embedded transmitters.
7. High Voltage Cable shall be Silicon Insulated, Ozone and Corona Resistant, rated for 20 KV, and UL listed with UL Flame Test Rating.
8. Factory provided Duct Installation Kit shall be provided, if called for in the BOM.
9. Operating Voltage: 120 V or 220 V, Single Phase, 50 / 60 Hz.
10. **The Ozone Generator shall be UL Listed to;**
  - **UL 1995: Duct Mounted Accessory – Safety for use in HVAC ducts**
  - **UL 2043: Safety against Fire and Smoke for objects installed in HVAC ducts and Air Handling Units**
  - **UL 867A: (With use of Ruks CZ12 Supervisory Ozone Monitor) Rated for safety for use in Human Occupied Space**
11. The Equipment shall be of North American Manufacture, with parts and components from USA and Canada.