



Flexible Space Heater/ Anti-Condensation Tool

RoHS

Flexible Space Heater/ Anti-Condensation Tool is strip shape flexible heater having protective fibre glass sleeve on it. It is mainly used in Electric Motors and Generators. It is necessary to evaporate condensed water on windings of Electric Motors and Generators, Flexible Space Heater/ Anti-Condensation Tool is used for this purpose. This prevent the failure of Electric Motors and Generators windings. Normally these heaters are tied on the winding overhang before impregnation and hence form integral part of the winding. This achieves maximum heat transfer.

Function

Motors, Generators & Alternators which operate in high humidity, cold temperature climates, tropical condition require these type of heaters. In case of extreme temperature variations also a Space Heater/ Anti-Condensation tool should be fitted.

The water condensation on winding occurs only when the electric motor is turned off and enclosure temperature drops rapidly to below the dew point or suddenly motor is turned on in damp or wet condition, this results in winding failure.

The Space Heater/Anti-Condensation tool prevents the condensation of water inside the motor body when motor is not running.

Applications

Use of Space Heaters is recommended for

1. Motors operating in high and very high humidity conditions.
2. Electric motors in tropical environment.
3. Well Pumps.
4. Shipboard and marine equipment.
5. Coastal area Motors & Generators.

Use of Space Heater/Anti-Condensation tool at the design stage can save the expense of costly rewinds and down time which is more precious.

The Space Heater/Anti-Condensation tool shall not be energized when the Motor or Generators is in running condition.

Heater length should be taken such that it covers at least 75 % of the winding overhang circumference. If heater length is more than circumference, it is very important to see that it does not overlap. The next turn should be separated from the original turn by at least 5 mm to avoid short circuit between two ends.



INSTA CONTROL™

**EXPERTISE OVER 4 DECADES IN WINDING
PROTECTION AT YOUR SERVICE**

Tube Type Space Heater

Available for 110 V and 220 V supply voltages for 380 V and 415 V it is usual to connect 2 x 220 V units in series. Standard Sizes available.

Heater Length	Voltage	Watt	Lead Length
203	110	8	500 mm
203	220	8	500 mm
305	110	22	500 mm
305	220	25	500 mm
432	110	27	500 mm
432	220	26	500 mm
686	110	21	500 mm
686	220	21	500 mm
686	110	40	500 mm
686	220	40	500 mm
762	110	25	500 mm
762	220	26	500 mm
1016	110	39	500 mm
1016	220	42	500 mm
1067	110	50	500 mm
1067	220	54	500 mm
1473	110	67	500 mm
1473	220	65	500 mm
1702	110	103	500 mm
1702	220	99	500 mm

Lead length can be provided as per customers requirement

**LOW COST PROTECTION OF MOTORS AGAINST CONDENSATION.
SAVE EXPENSE OF COSTLY REWINDS.**

Other products from Insta Control

PTC Thermistor, Single TPU, Dual TOU, PT-100 RTDs, PT-100 BTDs, Slot RTDs, KTY Sensor, ATEX & IEC Exe approved PT-100 Slot RTDs, Bead type PT-100 RTDs & Bearing RTDs are available on request.

ISO 9001 : 2015 Certified Company



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