



HUMIDIFIER

Series : SI - 1035

GENERAL

SANT (SI-1035) Series Electronic Steam Humidifiers converts ordinary tap water to steam and distributes with in the Air being humidified to bring the relative humidity upto the desired level. It is the ideal solution for providing humidification where No Steam is available or where a steam source is too remote for easy or economical piping. The **SANT** (SI-1035) series consists of many model and design to provide the required services as per requirement.

PRINCIPLES OF OPERATION

WORKING : Water enters the bottom of the Humidifier Tank and rises until it reaches the electrical immersion rods. Upon contact with Low Water Level Switch, Electrical Current flows through the immersion rods, causing to boil the water and produce steam, With continous heating causing it to boil and produce more steam. This increase will continue until the required out put of steam is reached. When the humidistat senses the added moisture in the air, the demand for humidity begins to Drop.

CONSTRUCTION

Body of Humidifier is fabricated out of G.I. Sheet Or Stainless Steel Sheet, constructed as per required capacity & temperature. Tank is provided with Sight Glass Water Proof Light, Heaters and Thermostat as well as Low Water Level switch connection. The Tank is cladded with G.I. Sheet of 22g and insulated with 75mm Thick Resin Bonded Mineral Wool from all sides. The complete unit is equipped with standard electrical accessories & safety features like :

- a) Selector / On-Off Switch.
- b) Thermostat For Controlling Temperature.
- c) Low Water Level Switch.
- d) Water Proof Light.
- e) Electrical Contactors
- f) Bronze Float Valve.
- g) Sight Glass.



SANT INDUSTRIAL CONTROLS PVT. LIMITED.

Engineers, Manufacturers & Traders.

MANUFACTURERS OF INDUSTRIAL VALVES, STRAINERS & BOILERS.

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OPERATION, INSTALLATION & MAINTENANCE INSTRUCTIONS



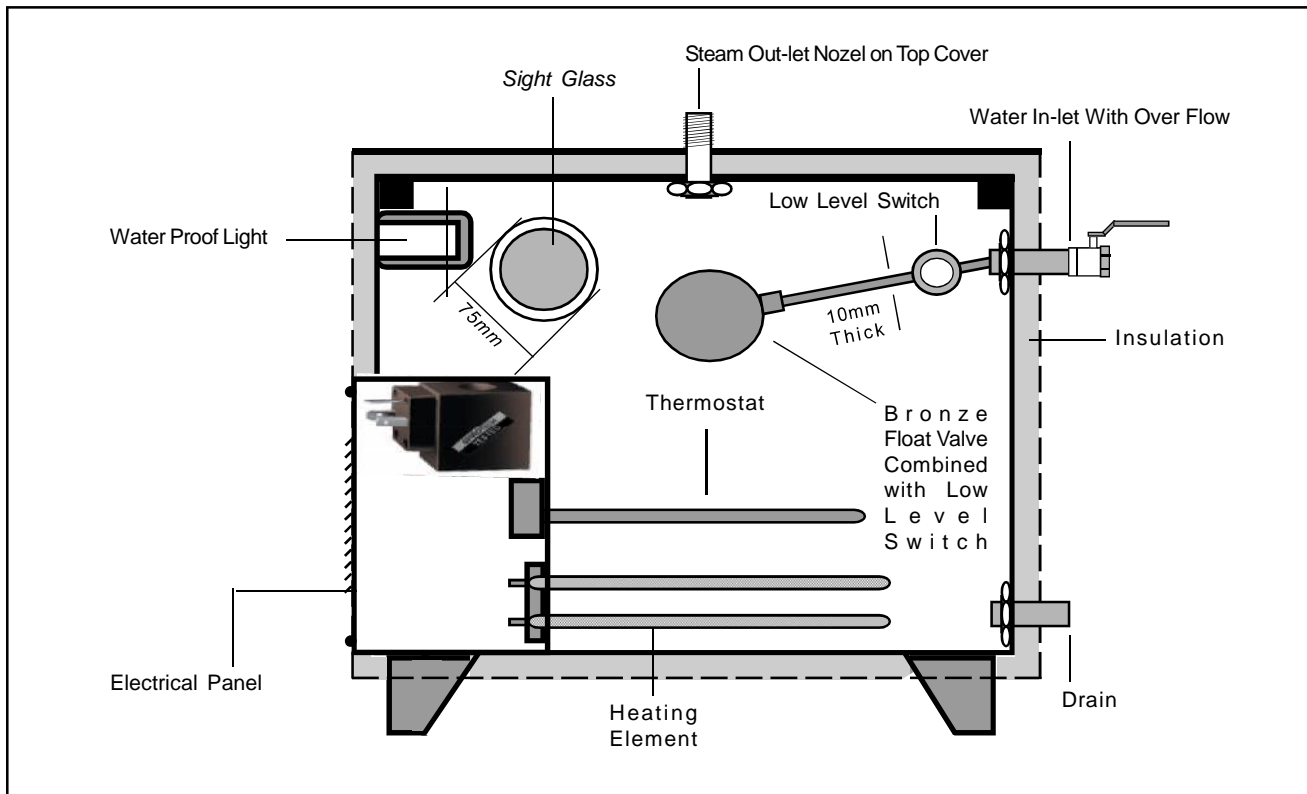
For,

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Humidifiers should be carefully installed. The electric humidifiers has the advantage of ease of installation, flexibility of location and accuracy of humidity control and electric humidifier designed for use in a duct or AHU chamber installation. Mount the water reservoir level in all direction. The humidifier should add enough moisture to the building at design conditions. This unit has an capacity of 2 kw to 50 kw heating element coils, which are controlled by an adjustable Humidistat / Thermostat. Fill the unit with water through float valve water inlet connection, water level is controlled by a copper Ball type float valve .

Electrical installation should be done according to electrical codes in effect. After installation the unit should be switched on and checked for proper operation.



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