Mellcon Air Heaters / Hot Air Blowers

Air heaters - Hot Air Blowers are used to supply hot air with forced convection, resistive heating elements. Forced convection moves air past a heat source with a fan or blower. Resistance air heaters consist of sheaths that surround a resistive heating element. The functional use of these tubular heaters is limited only by available space, maximum sheath temperature, and watt density. Air heaters use a variety of power sources, including electricity, fuel oil, diesel, gasoline, kerosene, natural gas, and propane. Air heaters with fins provide improved heat dissipation.

Mellcon make Air Heaters / Hot Air Blowers are equipped with Digital Temp. **Indicating Controller (TIC)**, **Blind Temp. Controller (BTC)**. TIC and BTC are having individual set points, by which the temperature of the outlet Air can be controlled. Set temperature of TIC shall be set between +50 deg c to **250 Deg. C**.(Normally) by energizing & reenergizing the Heater according to the temperature. BTC which is provided as extra safety device in case of primary TIC Failure **.** This will cut off the heater if the temperature increases more than its set temperature due to any abnormality and alert the operator as well as cut off the heater by an audio alarm so that the temperature will not increase beyond control. Air Heaters can also be offered based on thyristorised control. higher air outlet temp can be offered with special Material of Constn. on request.

Technical Specification & Process Description	
Heating Capacity	100 M3/hr to 20000 M^3/Hr.
Inlet Pressure min / max	100 / 4000 mm WG. to 20.0 kg/cm2g
Inlet Temperature max	-20 to +50 deg C
Outlet Temperature max	250 Deg. C
Supply Voltage	415 V, 3 Ph, 50 Hz
Operation	Automatic / Continuous

Applications

Dehydration of plants and equipment after long shutdown like Bus duct, Turbo Generators etc.