

**JUST THREE MINUTES!
WE MAKE YOUR HEATING TECHNOLOGY
ADVANCED BY TEN YEARS**

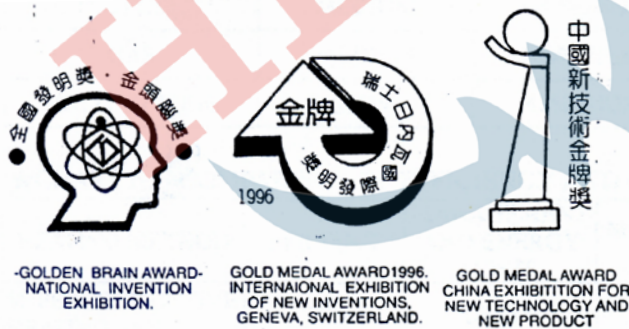
* HIGHLY EFFICIENT, SUPER-CONDUCTIVE HEATING FAN, *
* WITH SUPER-CONDUCTIVE HEATER *

PATENT & PROFESSIONALLY MANUFACTURED

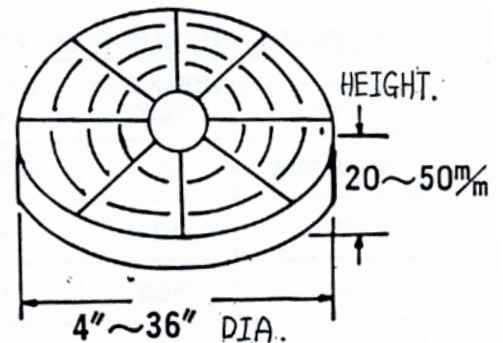
PURPOSE: TO CONVEY DRYER. DRY HOUSE FOR AGRICULTURAL & INDUSTRIAL PRODUCTS. HEATING FAN OVEN. GREEN HOUSE OF ANIMALS & PLANTS.

THE SUPERCONDUCTIVE HEATING FAN HAS LONGER LIFE AND CONSUMES LESS POWER THAN TRADITIONAL HEATING PIPE & CERAMIC INFRARED HEATER. IN ADDITION, IT CAN ATTAIN HIGHER TEMPERATURE AND HAS BETTER EFFICIENT THAN THOSE HEATED BY GAS OR BURING FUEL.

THE SUPERCONDUCTIVE HEATING FAN INCORPORATES AN EXTREMELY THIN SUPERCONDUCTIVE HEATER AS ITS SCOURCE; THE AIR VENT CAN REACH ITS OPERATING TEMPERATURE WITHIN ONE SECOND WHEN PLUGGED IN, AND RETURN TO NORMAL TEMPERATURE WITHIN TWO TO THREE SECONDS AFTER SHUT DOWN THE UNIT. BY USING A FAN AS THE CONVECTION HEAT TRANSFER METHOD, THE UNIT DISSPATES OVER 90% OF ITS HEAT OUTPUT TO THE OBJECT, WHICH WILL NOT HAVE FIRE LIGHT WHILE THE TEMPERATURE IS INCREASING. FOR EXAMPLE, WHEN THE SUPERCONDUCTIVE HEATER HEATS UP TO 800°C, IT REAMINS ONLY 80°C ON HEATER ITSELF, THE OTHER HEATING SOURCE IS TRAMISTTED TO WHOLE SPACE AND/OR OBJECTS.



SUPER-CONDUCTIVE HEATER



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e-mail : elecdeer@ms29.hinet.net

(一)MOUNTING METHOD: THE SUPERCONDUCTIVE HEATER CAN BE MOUNTED AT THE INPUT VENTS OF OUTPUT VENTS OF ANY KINDS OF FANS, OR IN A STOVE OR DRYING HOUSE. A SET FAN CAN MOUNT A FEW PCS OF SUPERCONDUCTIVE HEATERS.

(二)VOLUME OF SUPERCONDUCTIVE HEATER: THICKNESS: 20-50MM/PC.

DIAMETER OF DISC: 4, 8, 10, 12, 14, 16, 18---36 INCHES.

(三)POWER OF SUPERCONDUCTIVE HEATER: 1KW – 100KW/PC CAN BE MANUFACTURED.

IT CAN CONTAIN A FEW PCS OF SUPERCONDUCTIVE HEATER AT THE SAME TIME AND FIT VARIOUS KINDS OF VOLT.

(四)TEMPERATURE OF SUPERCONDUCTIVE HEATER: THE MAX. TEMPERATURE IS 1,000 °C.

(五)PURPOSE: TO CONVEY DRYER, OVEN OF HOT AIR, TO DRY AGRICULTURAL & INDUSTRIAL PRODUCTS, GREEN HOUSE FOR ANIMAL & PLANTS.

(六)SUITABLE RANGE: DRYING METALS, PLASTIC PAINT, AGRICULTURAL & INDUSTRIAL PRODUCTS, WOODEN PRODUCTS, PAPER, FOOD PRODUCTS AND CHEMICAL PRODUCTS.

☆CHARACTERISTICS:

- (1)NO FIRE LIGHT. (2)HIGH EFFICIENT ON HEAT CONDUCTION.
- (3)LESS THAN 5% RADIATION HEAT. (4)HEATS UP INSTANTLY (1 SECOND).
- (5)MICROCOMPUTER TEMPERATURE CONTROLLER IS OPTIONAL.
- (6)FRESH SMELL.

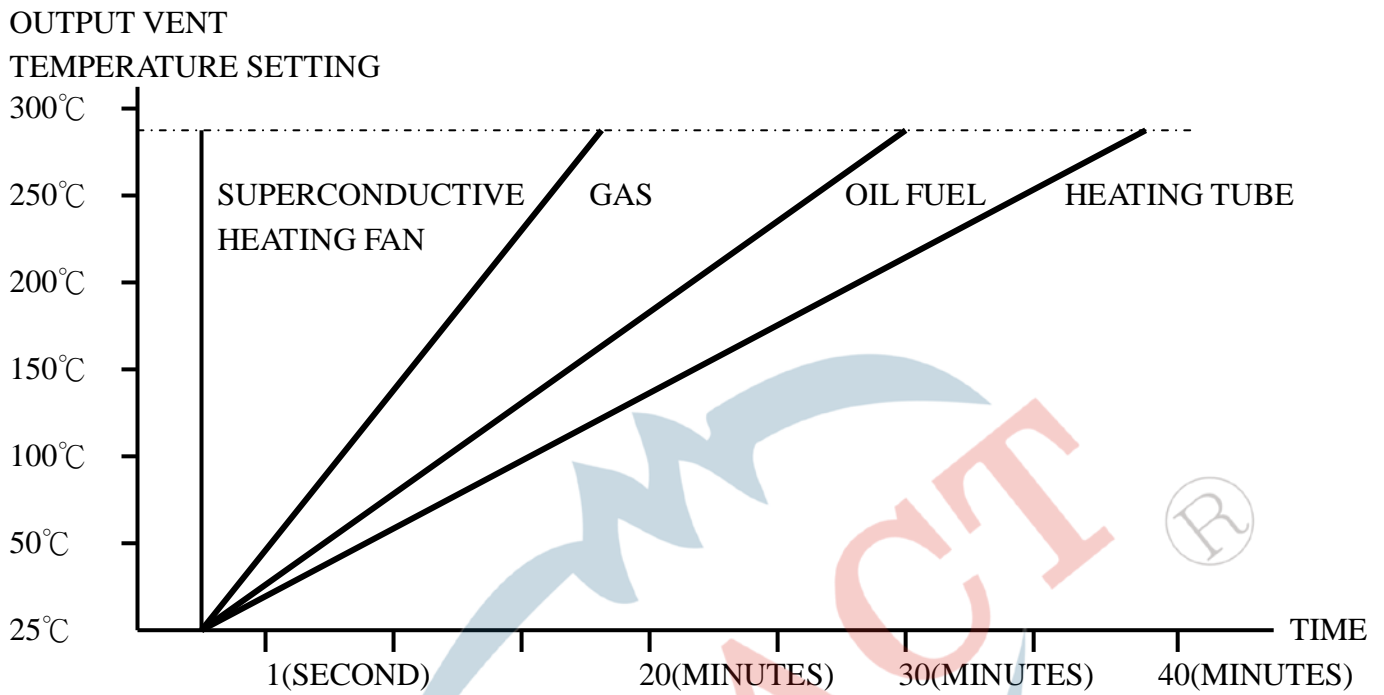
★CHART A: COMPARISON OF CHARACTERISTICS BETWEEN SUPERCONDUCTIVE HEATING FAN AND GENERAL DRYING EQUIPMENTS

HEATED METHOD	HEATED SPEED	RADIATION HEAT	METHOD OF CONDUCTING HEAT	EVENNESS OF TEMPERATURE
SUPERCONDUCTIVE HEATER	VERY FAST	5 % (LOW)	DIRECT	HIGH
OIL FUEL	MEDIUM	100%(HIGH)	INDIRECT	MEDIUM
GAS	MEDIUM	100%(HIGH)	INDIRECT	MEDIUM
HATTING TUBE	SLOW	40%(HIGH)	INDIRECT	MEDIUM

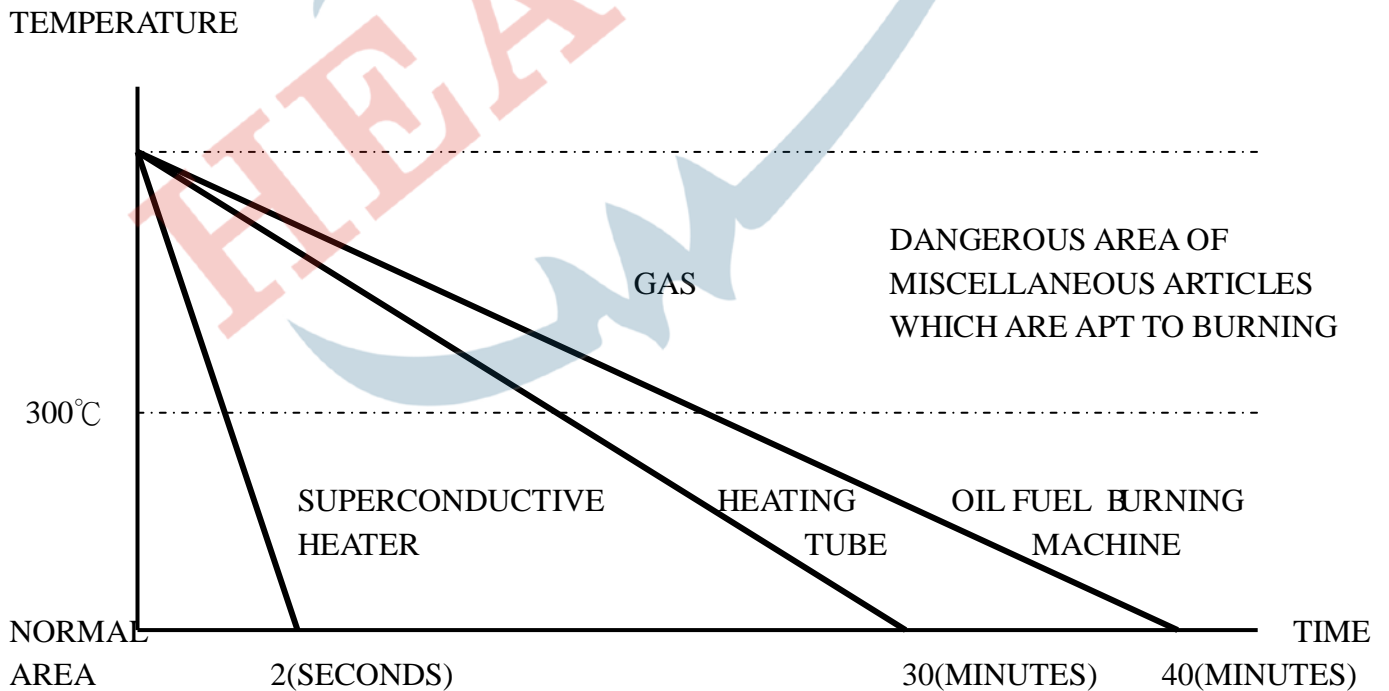
★CHART B: COMPARISON OF EFFICIENCY AND COST FOR VARIOUS KINDS OF ENERGY

HEATING METHOD	EFFICIENCY	MANAGEMENT AND ENERGY COSTS	MAIMTEMANCE COST	EQUIPMENT COST	MANAGEMENT COST
SUPERCONDUCTIVE HEATING FAN	95%	US\$3.0	VERY LOW	LOW	VERY LOW
GAS BURNING MACHINE	35%	US\$15.0	HIGH	HIGH	HIGH
OIL BURNING MACHINE	30%	US\$17.0	HIGH	HIGH	HIGH
GENERAL HEATING TUBE	20%	US\$22.0	MEDIUM	MEDIUM	MEDIUM
WOOD	20%	US\$22.0	MEDIUM	MEDIUM	HIGH

★CHART C: COMPARISON OF HEATING SPEED OF DIFFERENT HOT WIND



★CHART D: DISSIPATING SPEED OF HEATING OBJECTS(COMPARISON OF SAFETY)



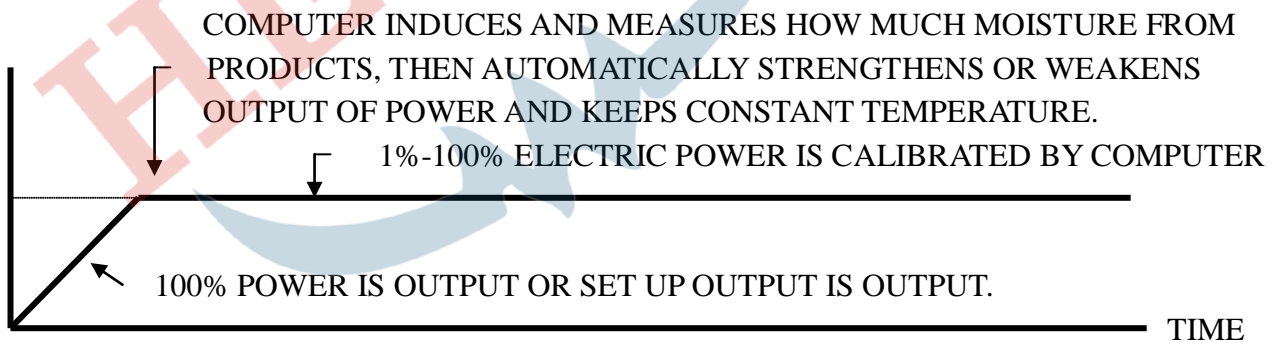
NOTE: THE TEST IS PROCEEDING WHEN POWER SHUTS DOWN OR MOTOR OF FAN BREAKS DOWN DURING A NORMAL WORK.

★HIGH EFFICIENT SUPERCONDUCTIVE HEATING FAN ★

PID MICROCOMPUTER AUTOMATICALLY TEMPERATURE CONTROLLED

- (一) CHARACTERISTIC:
 - (1) MANUAL OUTPUT: TEMPERATURE OF THE AIR VENT CAN VARIED FROM 0.1% - 100%(SIMILAR TO STEPLESS REGULATOR) YOU CAN CHOOSE A SUITABLE TEMPERATURE TO DRY ALL KINDS OF PRODUCTS.
 - (2) AUTOMATIC OUTPUT: OUTPUT TEMPERATURE IS CONTROLLED BY PID MICROCOMPUTER, ACCORDING TO THE SET-UP VALUE OF TEMPERATURE, THE MICROCOMPUTER AUTOMATICALLY CALCULATES THE CORRECT HEAT POWER TO INSURE A CORRECT TEMPERATURE AND TO SAVE MORE THAN 40% POWER (SIMILAR TO LIMITING SPEED, AUTOMATICALLY REFUELING WHEN CLIMBING A SLOPE AND AUTOMATICALLY SAVING DESCENDING A SLOPE.)
- (二) OPERATION METHODS:
 - (1) TO DRY THE LESS TEMPERATURE-STANDING PRODUCTS: FIRST, YOU SET UP THE POWER OUTPUT----% BY HAND, AND THEN SET UP THE TEMPERATURE VALUE OF PID THERMOSTAT. THE TEMPERATURE INDUCTION WIRE MUST BE PUT IN THE AIR VENT OR DRY CHAMBER.
 - (2) TO DRY TEMPERATURE-STANDING PRODUCTS: FIRST, TO SET UP THE 100% VALUE OF POWER OUTPUT AND THEN SET UP THE TEMPERATURE VALUE OF PID TEMPERATURE CONTROLLER. THE MICROCOMPUTER WILL AUTOMATICALLY CONTROL THE POWER OUTPUT AND EXACT TEMPERATURE. THE TEMPERATURE INDUCTION WIRE IS PUT IN A DRY CHAMBER OR SUITABLE PLACE.
- (三) A COMPARISON CHART BETWEEN MICROCOMPUTER TEMPERATURE CONTROL AND GENERAL TEMPERATURE CONTROL.
 - (A) PID COMPUTER AUTOMATICALLY CALCULATED.

TEMPERATURE



(B) GENERAL TEMPERATURE CONTROL: ON, OFF CONTROL

TEMPERATURE

