

# ULTRA-LOW EQM HEATER

**FOR 7.5-25HP CENTRIFUGAL FANS  
AND 7.5-10HP TRIUMPH FANS**



*Heaters Are Capable Of A  
1-10 Degree Temp Rise*



## **WHAT DOES IT DO?**

The Equilibrium Moisture (EQM) is the temperature and humidity combination needed to bring or keep grain at a specific moisture. The Ultra-Low EQM Heater **supplies EQM air, driving the grain moisture to the desired target moisture.**

## **HOW DOES IT WORK?**

The Ultra-Low EQM Heater **senses the temperature and relative humidity of the air being delivered to the bin**, working to keep grain at the target moisture level.

- If the air is too wet, it raises the temperature of that air by 1 to 10 degrees to achieve Target Equilibrium Moisture.
- If the air is at target, it adds no heat.
- If the air is too dry, it reduces the amount of air delivered to the grain.

## **WHAT ARE THE SAFEGUARDS?**

Limits can be set for the maximum and minimum allowable temperature, humidity, and equilibrium moisture.

## **HOW DO YOU KNOW WHAT IT'S DOING?**

The Ultra-Low EQM control produces its own WiFi to interface to any smart phone, tablet, or computer.

Your device will **display the current conditions with gauges as well as graph conditions over a user selected timeframe.**

## **CAN I USE THE ULTRA-LOW EQM HEATER WITH MY BIN FAN?**

The heater **can be attached to Sioux Steel fans as well as competitor's fans** as a retrofit kit.

## **CAN I USE THE ULTRA-LOW EQM HEATER WITH A VFD?**

The preferred equipment is with a VFD which enables slowing down the fan when the outside air is too dry. This prevents over-drying and stagnation of the drying front.

If there is no VFD, the fan stops and starts to reduce the amount of air when the air is too dry.

## **CAN I ADD MOISTURE WITH THE EQM HEATER?**

Moisture can be added over time. However, it takes much longer to add moisture than to remove moisture for most grains.



# ULTRA-LOW EQM HEATER PACKAGES

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AND 7.5-10HP TRIUMPH FANS**



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## 10-25HP CENTRIFUGAL FAN PACKAGES

### **EQM PACKAGE**

**EQM/Temp Relative Humidity Sensor** (Part# S224441)

*Offers EQM monitoring & on/off for heat*

- Burner Assembly
- Control Box
- Temp Relative Humidity Sensor
- High Turndown Butterfly Valve
- Pressure Regulator
- Mounts/Hardware
- 2 Wire Flame Rod
- 28" Metal Guard

### **BASIC PACKAGE**

**Thermostat Control** (Part# S224442)

*Offers basic function of on/off for heat*

- Burner Assembly
- Control Box
- Thermostat/Thermometer
- Pressure Regulator
- Mounts/Hardware
- 2 Wire Flame Rod
- 28" Metal Guard



Pressure Gauge

## 7.5HP CENTRIFUGAL FAN OR 7.5-10HP TRIUMPH FAN PACKAGES

### **EQM PACKAGE**

**EQM/Temp Relative Humidity Sensor** (Part# S224443)

*Offers EQM monitoring & on/off for heat*

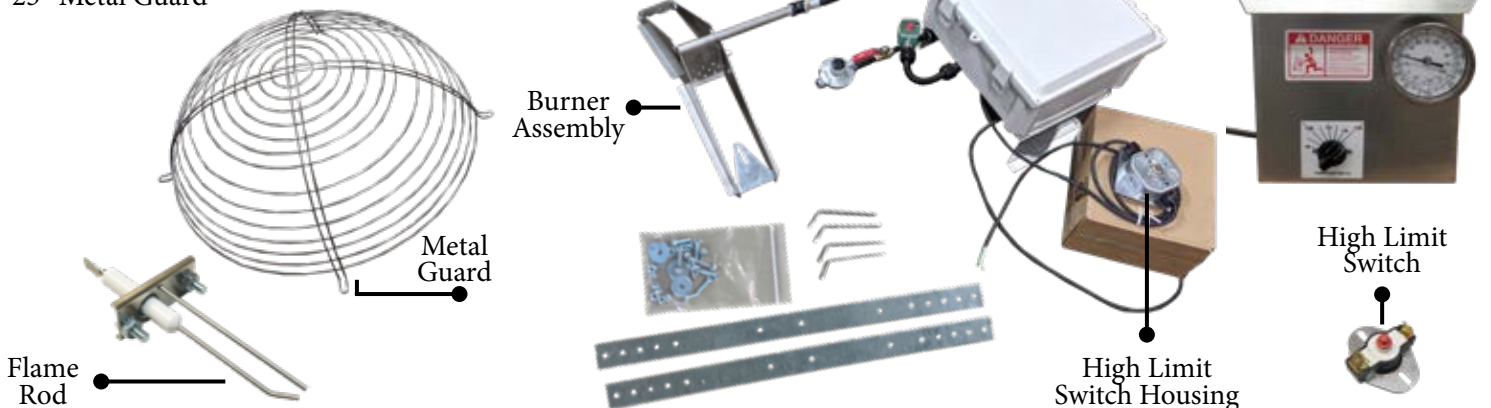
- Burner Assembly
- Control Box
- Temp Relative Humidity Sensor
- High Turndown Butterfly Valve
- Pressure Regulator
- Mounts/Hardware
- 2 Wire Flame Rod
- 25" Metal Guard

### **BASIC PACKAGE**

**Thermostat Control** (Part# S224444)

*Offers basic function of on/off for heat*

- Burner Assembly
- Control Box
- Thermostat/Thermometer
- Pressure Regulator
- Mounts/Hardware
- 2 Wire Flame Rod
- 25" Metal Guard



Control Box

Burner Assembly

Metal Guard

Flame Rod

High Limit Switch

High Limit Switch Housing

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