

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

**FOR 7.5-25HP CENTRIFUGAL FANS
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

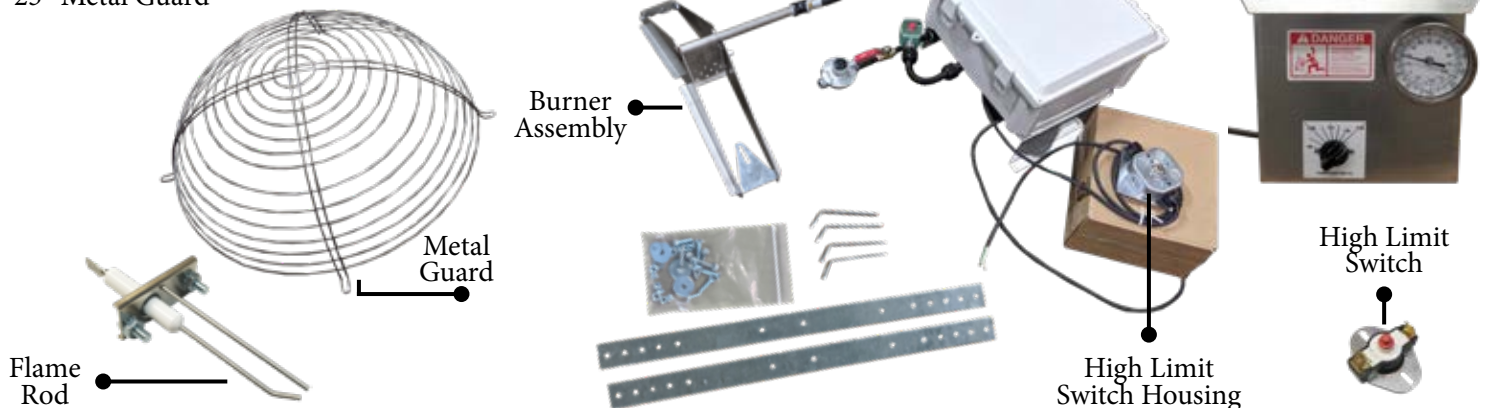
- Burner Assembly
- Control Box
- Temp Relative Humidity Sensor
- High Turndown Butterfly Valve
- Pressure Regulator
- Mounts/Hardware
- 2 Wire Flame Rod
- 25" Metal Guard

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 Housing

High Limit Switch