

Air Heating Systems for Mining Applications



Custom Engineered Air Heating Systems for Mining Applications



Mine ventilation systems require robust heating equipment that can withstand the rigors of operation in harsh environments. Moreover, no mine ventilation system is the same; each needs a customized heating solution.

Eclipse has the experience, products, and system know-how to produce mine air heating systems that are safe, clean, efficient, and reliable.

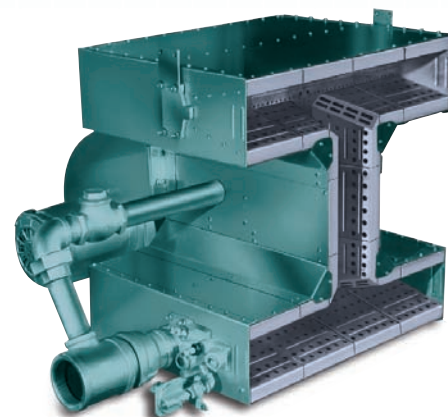
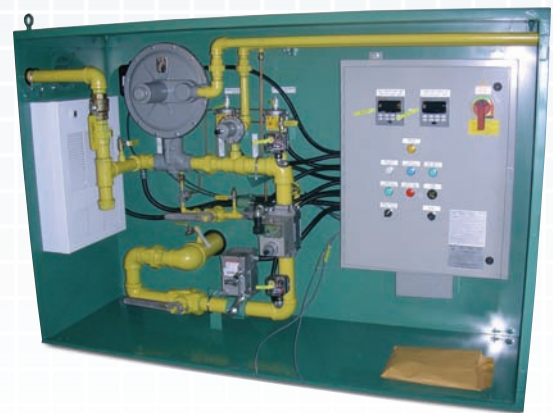
The foundation of our mine air heating systems is our patented "AH" Burner. These burners feature an integrated blower and steel case for unmatched air heating performance.

Additional benefits include:

- Low emissions.
- Up to 40:1 gas turndown.
- Inputs up to 1,000,000 Btu/hr. (293 kW) per lineal foot.
- Full modulation gas control system.
- Burns natural gas or propane.
- Reliable operation year after year with minimal maintenance.

Need to heat ventilation air for a particular project? Do you require a scalable approach that will change from mine start up to full scale operation? Regardless of your application challenge, Eclipse can customize a solution to meet your needs.

- Strong steel construction, easily movable.
- Very low air pressure drop.
- Once installed, they are ready to fire.
- Left or right hand units.
- Round or square duct available.
- Could be designed for specific customer requirements.



Backed by a strong reputation and extensive experience in air heating, Eclipse boasts a large portfolio of mining installations.



Permanent Setup

Featuring four burners of 11,500,000 Btu/hr each, this system effectively and efficiently heats fresh air for the ventilation of the mine. At 46,000,000 Btu/hr, the system is able to handle approximately 480,000 scfm.

Portable Unit



Eclipse also offers smaller portable mine heaters for start up operations. This 6,000,000 Btu/hr unit heats 60,000 scfm of fresh air and is ideal for mine startup. Upon construction of the main shaft, Eclipse can provide a seamless upgrade to a permanent system.



Permanent Setup

This installation features two burners of 20,000,000 Btu/hr, each mounted on a rack with control panel, heating 400,000 scfm of fresh air. Eclipse also produced the valve trains for the project.

Portable Unit



Eclipse supplied three heaters which were used during the construction phase of a hydro electric project, ventilating a bypass tunnel used to divert water from the source to the main holding reservoir. The heaters were 13,000,000 Btu/hr each.

Portable Unit

This portable mine air heater of 13,000,000 Btu/hr heats 130,000 scfm of fresh air. Ideal for small mines, these units are shipped complete, housing the burner(s), valve train(s) and control panel. Eclipse portable mine heaters come ready to fire: simply connect the gas, power, and the ducting and you're up and running!





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