

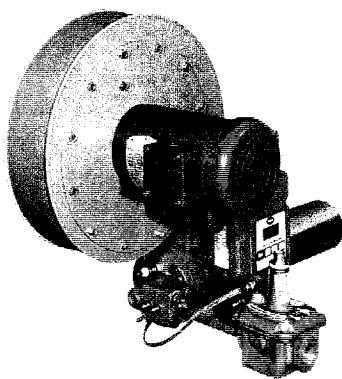
Applicationbrief

Eclipse Product: Indirect Fired Air Heater

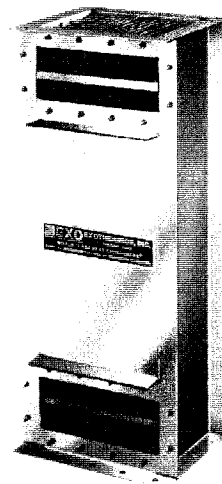
Submitted by: Ron Oeltjen – M.W. Nelson & Assoc.

Application: Drying of Combustible Material

Description: Scott Equipment needed an indirect fired hot air source for drying a combustible material. The heater was operated as a separate process with automatic start up, temperature control and shutdown. We supplied an Exothermics heat exchanger with an Eclipse RM100 RatioMatic burner packaged with a custom PLC control system and valve train. The control system allows the system to be automatically started, ramped to temperature and controls the process inlet temperature by allowing a small amount of ambient air to be mixed with the air from the heat exchanger to regulate the process air temperature, while the temperature of the "hot" side of the exchanger remains consistent. The RM100 burner allows the air on the "hot" side to be recirculated, reducing the heat input to the system.



*Eclipse
RatioMatic
Burner*



*Exothermics
Heat
Exchanger*