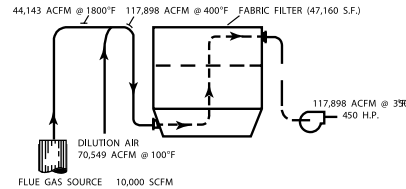


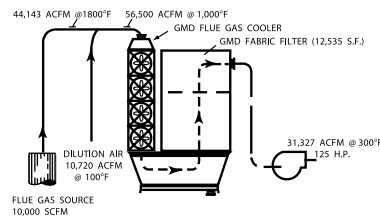
GMD FLUE GAS COOLER



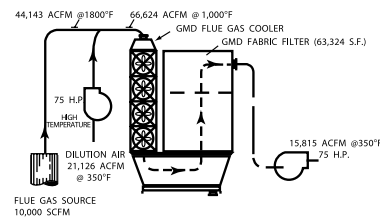
WITH AMBIENT DILUTION AIR COOLING



WITH AMBIENT DILUTION AIR COOLING AND GMD FLUE GAS COOLER



WITH HIGH TEMPERATURE DILUTION AIR COOLING AND GMD FLUE GAS COOLER



GMD's Flue Gas Coolers are among the industry's finest and feature simple cross-flow air-to-air tube type heat exchangers. Hot gas flows vertically inside tubes while ambient air is forced horizontally across the tubes by the use of tube axial fans.

Outlet temperature is regulated by adjustable Fan Controllers that respond to a thermocouple located in the gas stream as it exits the cooler. The fans are staged "on" as the gas temperature rises and conversely "off" as temperature falls.

The cleanliness of the inside of the tubes is monitored through the use of pressure sensors. If the tubes encounter fouling over a period of time, a cumulative pressure drop is observed and corrective measures taken.

GMD's Flue Gas Coolers are specifically designed to reduce and control the temperature of particulate laden flue gases being directed to the fabric filter. In the past, certain processes were either unable to use fabric filters because of high gas temperatures or could use a fabric filter only if expensive high temperature materials were used in the manufacture of the bags. GMD has simplified this in our advanced Flue Gas Coolers.

GMD's Flue Gas Coolers provide:

- Positive control of gas temperature.
- Constant gas volume at Baghouse.
- Smaller fabric filter requirements.
- Smaller I.D. fan requirements.
- Less horsepower. Thus lower energy consumption.
- Minimizes fire hazard (burning bags).
- Allows waste heat recovery for use in many applications when properly designed.

Your Total Pollution Control And Clean Air Engineering Source

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