

# CATCO

CATALYTIC HEATER COMPANY

## CUSTOM DESIGNED ENCLOSURES FOR CATALYTIC HEATERS

### GENERAL DESCRIPTION

Catalytic heaters are frequently used for heating devices prone to freezing or to heat a gas stream to prevent the fallout of liquids. Catalytic heaters are often mounted within a metal enclosure which serves two purposes: First, the enclosure protects the heater from wind, snow and rain

material (i.e., stainless steel, aluminum, painted carbon steel), sturdy, well fitted to the application, and easy to install.

### Custom Designs

For unique requirements, CATCO designs custom enclosures for catalytic heaters. The combination of experience, a modern design process, and flexible manufacturing capability allows CATCO to produce custom designs in any quantity with short lead times.

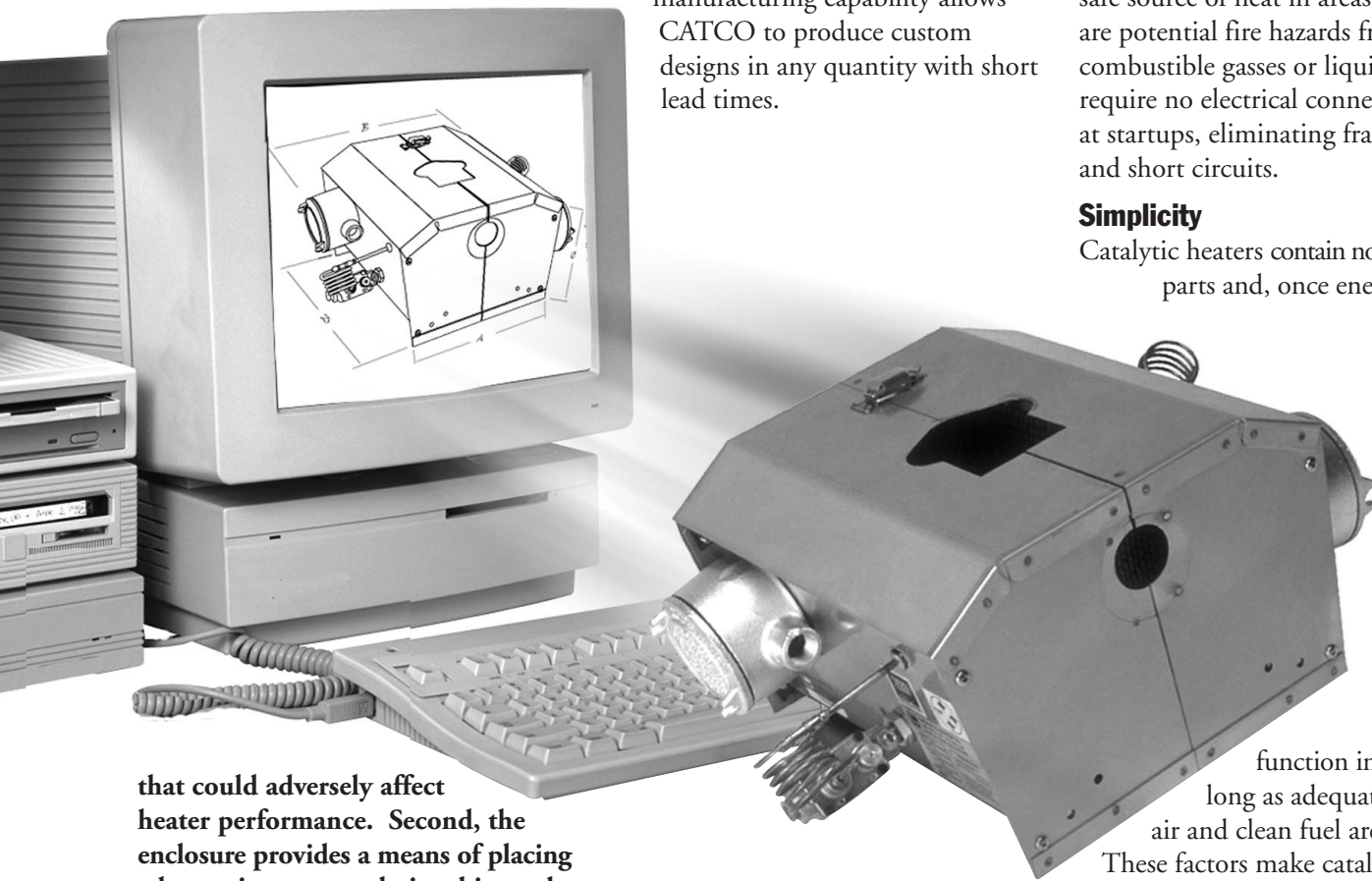
on a particular object or target. Energy is not wasted on heating other objects or the air surrounding them.

### Safety

Using the principle of catalytic combustion, catalytic heaters operate at a surface temperature of 600-800 F° much lower than an open flame (approximately 1300 F°). They are a safe source of heat in areas where there are potential fire hazards from combustible gasses or liquids. They require no electrical connections except at startups, eliminating frayed wires and short circuits.

### Simplicity

Catalytic heaters contain no moving parts and, once energized, will



that could adversely affect heater performance. Second, the enclosure provides a means of placing a heater in proper relationship to the regulator, pipe, valve or other device to be heated.

### DESIGN CONSIDERATIONS

Enclosures should be designed so that they are made of the appropriate

### ADVANTAGES OF CATALYTIC HEAT

#### Efficiency

Catalytic heaters generate radiant (infrared) energy which can be directed

function indefinitely as long as adequate supplies of air and clean fuel are provided.

These factors make catalytic heaters ideal for remote applications.

# Available Models

## Custom Design Enclosures

Drawing Pad



### *Please Answer the Following*

	<i>Description</i>	<i>Such As</i>
Type of device		Regulator
Make and Model		Fisher "D" Body
Line Size		3"
Flanged or Screwed		600 ANSI Flange
Special Considerations		Space Limitations, etc.
Material Desired		Stainless Steel, Aluminum, etc.