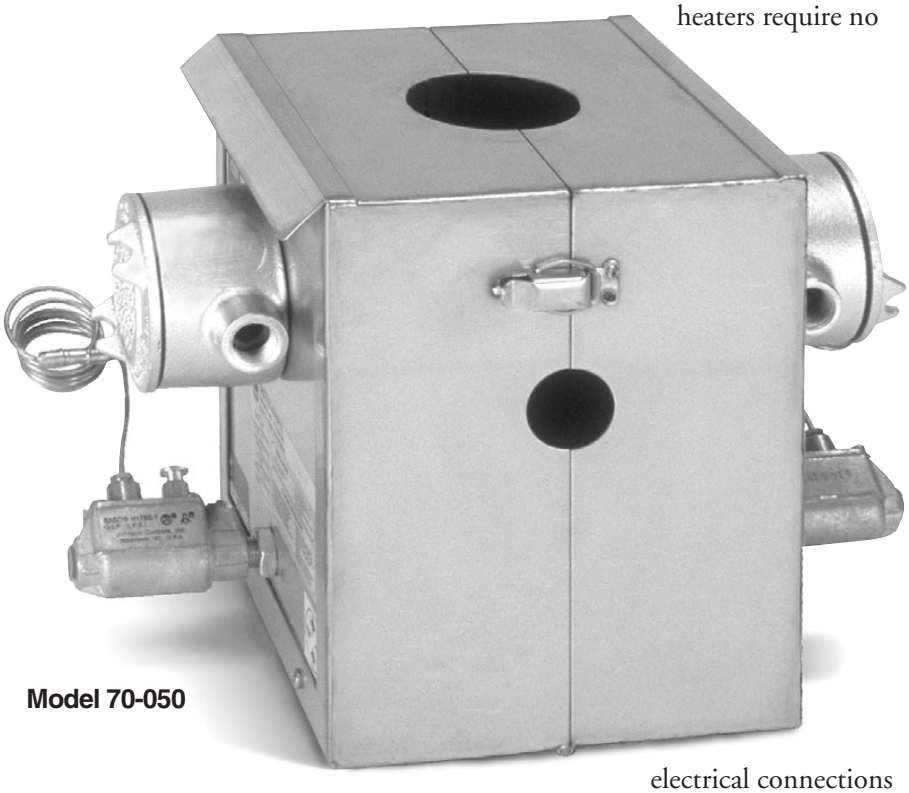
CATCO
CATALYTIC HEATER COMPANY

HEATER ENCLOSURE PACKAGES *For Motor Valves*

GENERAL DESCRIPTION

A freeze-up in a motor valve can cause the shutdown of an entire facility, and downtime costs can be prohibitive. A catalytic heater package is often a reliable, economical solution to motor valve freezing.



Model 70-050

ADVANTAGES OF CATALYTIC HEAT

Efficiency

Catalytic heaters generate radiant (infrared) energy which can be directed 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. Catalytic heaters require no electrical connections except at startups, eliminating frayed wires and short circuits.

Simplicity

Catalytic heaters contain no moving parts. Once energized, they will function indefinitely as long as adequate supplies of air and clean fuel are provided. These factors make catalytic heaters ideal for remote applications.

Model 70-010 heater accepts either through or angle body valve

DESIGN CONSIDERATIONS

Motor valves require special considerations when applying catalytic heat:

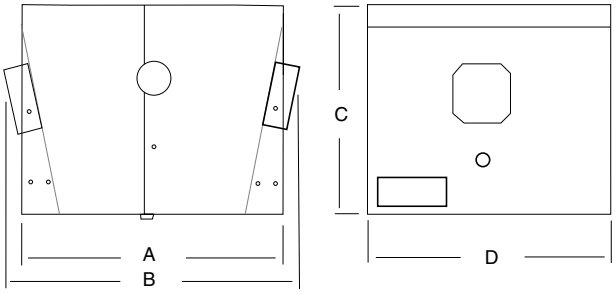
- Heat sensitive components of the motor value are located outside of the enclosure.
- Upper components of the motor valve are easily accessible for service.

Model 70-035 fits Kimray 2" motor valve as well as other makes.

Available Models

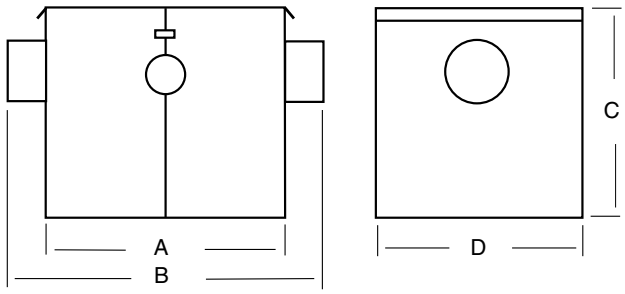
Custom made enclosures are available for many motor valve applications not depicted below.

Model 70-010



End View Side View

Model 70-050



End View Side View

In a Hurry?

Normally, CATCO ships stock enclosure packages next day, and custom designs within a week.

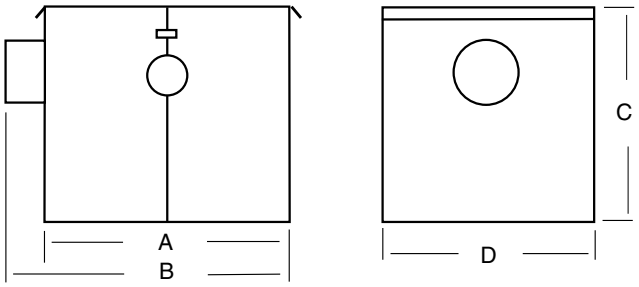
CATCO enclosure packages are designed for easy installation with a minimum of tools required. In most cases installation is simply a matter of snapping the enclosure package around the appliance or pipe and supplying gas to the heater; screws and loose parts are kept to a minimum. Unless otherwise requested by the user, all parts are shipped with the enclosure package so that the unit is complete and ready to install when received in the field.

The catalytic heaters used in enclosure packages may be supplied with either 12 or 120 volt preheat systems and can be fueled with either natural gas or LPG.

FEATURES

- Available in painted carbon steel or stainless steel
- Enclosures accept one or two heaters
- 70-010 comes in two halves and is adaptable to many applications
- 70-035 and 70-050 are equipped with piano hinges and suitcase style latches. Install in seconds without tools.

Model 70-035



Side View End View

		Catalytic Heater			Dimensions (inches)			
Model No.	**Application**	**Heater Size**	**BTU**	**No. Used**	**A**	**B**	**C**	**D**
70-010	2" Motor Valve Generic	1212	6,000 -or- 12,000	one -or- two	13.00	17.00	13.00	12.50
70-035	2" Kimray motor/ metering valve fits other makes	1012	5,000 -or- 10,000	one -or- two	11.50	13.50	12.00	13.50
70-050	1" Motor Valve	88	2,700 -or- 5,400	one -or- two	8.00	12.00	10.50	8.60

Catalytic Heater Co. • P.O. Box 188 • Terrell, Texas 75160 • Telephone (972) 563-8065 • Fax (972) 563-0555