

# SAFE-T-COVER<sup>®</sup>

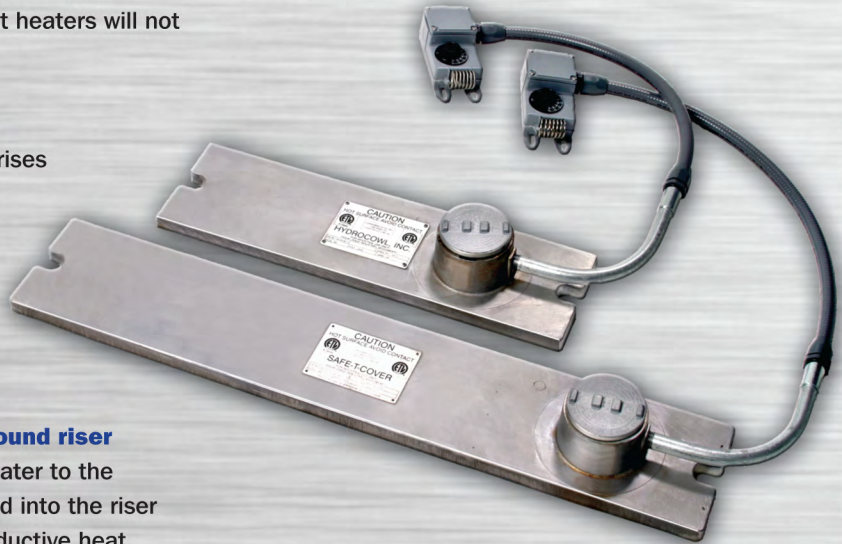
by Hydrocowi

Superior Freeze and Vandal Protective Enclosures Since 1988

## HCH and HCHS Slab Mount Heating Systems

Why our heaters are better than any other heater on the market.

- The slab mount heater is **designed for water spray conditions** that often occur with Reduced Principle backflow assembly service. Our slab mount heaters will not short out when sprayed with water.
- The slab mount heater **eliminates heat stratification** inside the enclosure. Heat rises and since our heaters are secured to the concrete base, the heat flows from the bottom to the top of the enclosure. This natural convection flow keeps heat distributed equally throughout the enclosure.
- The slab mount heater **protects underground riser pipes from freezing**. By mounting the heater to the concrete base, you conduct heat downward into the riser section. Studies have shown that this conductive heat keeps the piping temperature above freezing six feet into the ground.
- Our slab mount heater is **more reliable** than wall mounted heaters. Our slab mount heater has no moving parts that can fail. You do not need a fan to force convection heating within the enclosure. Simple operation design means better reliability. During the cold winter months you need a reliable heating system. Safe-T-Cover has **never** had a freeze incident with our slab mount heaters.
- Our slab mount heaters are the **most energy efficient** on the market. Your energy bill will be lower with the slab mount heater than a wall mount heater.



**Safe-T-Cover is the only backflow assembly enclosure company that uses this slab mount heating system.**

**Our heaters have an exclusive 3 year warranty!**

[www.safe-t-cover.com](http://www.safe-t-cover.com) 800.245.6333



## Specification Submittal Sheet Series HCH/HCHS

Insulated Enclosure Slab Mount Heating System  
U.S. Patent 5,609,784

### Specifications

- Heating element – steel sheathed; casted in type 380 aluminum; rated 2000W @ 120/240Vac
- High temperature wire – type MGT or equivalent; 10 AWG; rated 600V, 450°C
- Ring terminal – rated 600V, 900°F
- Junction well – group B, C, D, E, F; Class I, Division II; rubber seal provided with cover
- Conduit, conduit fittings, thermostat – liquid-tight

### Standards

- Conforms to UL-2021
- Certified to CAN/CSA C22.6 NO. 46
- ETL Listed 108666

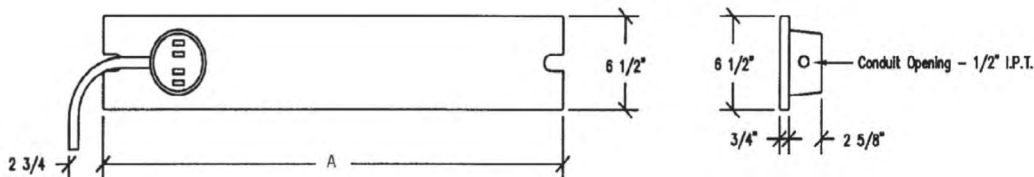


### Description

The Safe-T-Cover slab mount heating system provides freeze protection to the plumbing & water works equipment installed within an enclosure. This patented heating system virtually eliminates heat stratification within the enclosure, which reduces energy consumption. By mounting the heater on the slab, freeze protection is provided to the underground vertical riser pipes. The system is designed to withstand water spray conditions inside the enclosure. The heater has been independently certified to meet section 49 of UL-2021 for damp or wet conditions.

### Advantages

- Economical
- Effective
- Durable
- Efficient



INSTALLATION: CENTER UNDER PIPING  
AND ANCHOR TO CONCRETE SLAB.

### Dimensions and Weights

Model No.	Voltage	Wattage	BTUH	Phase	Amps	A (in)
HCHS500-120	120	500	1707	Single	4.16	23
HCHS1000-120	120	1000	3413	Single	8.33	23
HCHS1000-240	240	1000	3413	Single	4.16	23
HCH2000-120	120	2000	6824	Single	16.66	37
HCH2000-240	240	2000	6824	Single	8.33	37

### Specifications

A slab mount heating system shall be installed to provide freeze protection for plumbing & water works equipment installed within an enclosure. The heating system shall maintain a temperature of +40°F at an outside temperature of -30°F. The heating system shall be installed on the concrete pad and designed to operate without damage or impeding performance during water spray conditions. A thermostat capable of a temperature control range of +40°F to +100°F with fittings suitable for watertight installations shall be provided. The slab mount heating system shall be a Safe-T-Cover Series HCH or HCHS. The heater has been independently certified to meet section 49 of UL-2021 for damp or wet conditions.