

# Owner's Manual

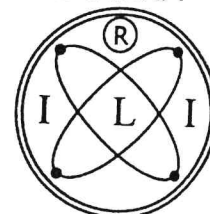
## #HU500SS, #HU800SS, #HU1000SS

### Backflow Enclosure Heater

**BFProducts Inc.****BACKFLOW ENCLOSURES**

**INTRINSICALLY SAFE  
WATERPROOF  
FIREPROOF**

IMANNA



LABORATORIES

#### **Congratulations**

You have chosen one of the safest and most reliable heaters in the world. Our heaters are certified to operate in locations where flammable vapors may be present. They are certified to meet ISO 8846, SAE J1171, ABYC E11, to the US Coast Guard standards. It is IPX7 certified, making it one of the only waterproof heaters on the market.

#### **Operation Instructions**

To operate the heater, plug into an electrical outlet and place in an area where heat is desired. The illumination of the light at the male end of the plug indicates the heater is receiving power and is ready to heat once the temperature falls below 40°F. To prevent the possibility of the heater accidentally being turned off, there are no switches or knobs. The thermostats are hermetically sealed and non-adjustable. When the ambient temperature reaches the thermostat set point, the heater will automatically turn on and will not turn off until the pre-set temperature is reached.

#### **Mounting Instructions**

The heater may be permanently mounted or simply placed in the area where heat is required. The heater may be mounted in any position. Use CUSTOMER supplied bolts, screws, rivets, or any other suitable means. Although the heater is waterproof, we recommend that it be mounted in an area that remains dry, as this will keep the debris out of the fans and prolong the life of the heater.

#### **Maintenance**

All components are sealed, so there is nothing to oil, lubricate or clean. To maximize the life of the heater, we recommend that it be removed from the bilge when the boat is in use. This will eliminate the problems that may be caused by debris, water, or other contaminants entering the heater.

## Testing Methods

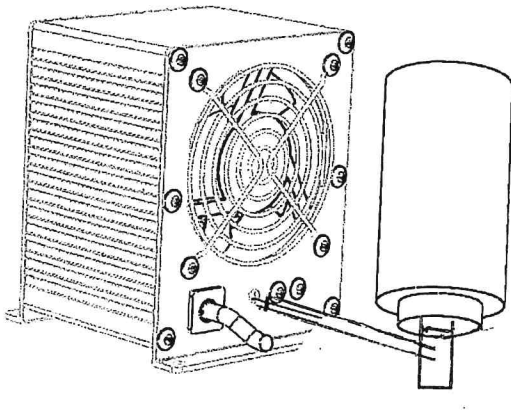
### Freezer Method- (Preferred)

Place the entire unit in the freezer. DO NOT LEAVE PLUGGED IN. Allow ONE HOUR for the unit to completely acclimate. Remove from the freezer and plug in. The heater should run for a minute or two and then turn off.

### Freeze Spray Method:

(electronics Cleaning-Duster aerosol can)

Ensure the heater is plugged in and the light at the end of the cord is illuminated. The heater is equipped with either one or two hexagon shaped testing ports that are located to the right of the cord when the heater is positioned as shown. Place the spray nozzle about 1/2" outside the small hole and spray a very short blast (1 second) of freeze spray. Wait about 30 seconds for the heater to turn on. Repeat if necessary. If your heater has two ports, each testing port should be tested.



**(Turn can upside down prior to spraying)** – Cleaning  
Duster Aerosol Can, same as used to clean electronics.

### SPECIFICATIONS

- Model# :
- HU500SS 500W, 4.2 amps
- HU800SS 800W, 6.7 amps
- HU1000SS 1000W, 8.3 amps
- Thermostatically controlled  
Auto- on 40°F/ off 46°F
- Voltage- 120v AC (nominal)
- Power- 500W-4.2A, 800W/6.7A, 7 amps
- Housing- Anodized Aircraft Aluminum
- Patented, long life, stainless steel heating module
- Waterproof Fan- 85cfm @ 5000 rpm  
52dB(A)
- All electrical connections are individually soldered and encapsulated
- 6' NEMA 5-15P 3 prong cord



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