



CHR Inc.
Custom Heaters & Research
Digital Heating Jacket
Instruction Manual

54 Elizabeth Street
Building #10
Red Hook NY 12571

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Cautions and warnings

Although this Heating Jacket is designed for outdoor operation, as with all electrical devices there is a risk of electric shock which can result in injury or death. Be sure the plug connection is not in standing water.

DO NOT use the Heating Jacket if there are any visible signs of damage.

This product is intended for the heating of gas filled cylinders, no other use is approved.

Bunching, folding or over-lapping heated areas of the Heating Jacket will result in over-heating.

This can result in damage to the Heating Jacket. Read the section on How to Install for specific information.

ONLY use when properly installed on the designated sized cylinder, the heated area should NOT over-lap.

Be sure to use the proper electrical voltage as your power supply

How to Install

1. Fit the Heating Jacket around the gas cylinder and draw as snug as possible to ensure the best contact with the tank surface as possible. Attach via the Velcro closures or the straps provided.
2. Once properly installed energize the Heating Jacket by plugging it into the proper power supply.
3. Set the Digital Thermostat to the desired temperature.

SETTING THE DESIRED TEMPERATURE (SETPOINT)

Allow the controller to go through the start-up procedure (about 5 seconds).

To change the set-point, first access the basic menu:

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1. Press MENU and OFF will appear.
2. Press MENU again and the current Set Point will show (110F for example)
3. Use Up or Down arrows to change the desired set point
4. Press MENU to save the value. "Off" should appear (**this is the temperature when the Heating Jacket shuts off**)
5. Press Up & Down arrows simultaneously to return to the home screen (process value).

The Heating Jacket has a NEMA4X (water-tight) high-impact plastic enclosure. It does not require any additional internal wiring, it is pre-wired.

High voltages may be present at AMP electrical terminals and other exposed internal metal surfaces. DO NOT open the Digital Controller for any reason, high voltage is present inside the case. No repairs should be performed outside the Factory. Should a malfunction occur, the entire unit needs to be returned to be evaluated/repaired.

How to Store

CHR Heating Jackets are built tough to handle life in the field, however if they are cared for they will last longer. We suggest the life expectancy of the product to be 5 years or more, but have seen many last much longer!

Store the Heating Jackets flat or rolled up loosely, but try not to fold over and make hard crease.

Do NOT crush the Heating Jackets placing something heavy on top of them.

Troubleshooting

SIZING PROBLEMS

TOO SHORT Should the Heating Jacket not reach all the way around- remove completely and re-install making sure that the Heating Jacket is flat and smooth.

TOO LONG Check to see if the heated areas of the Heating Jacket overlap each other; if the heated areas overlap, it is not the proper size for the tank.

Should the Heating Jacket be too long it should NOT be used.

ELECTRICAL / HEATING PROBLEMS

NOT HOT ENOUGH: If the Heating Jacket seems not to be getting hot enough, check it with an infrared temperature sensor. If it is determined to be operating low, try to ensure that the adequate Amps or Watts are available and that voltage is correct. If less than proper Voltage is (i.e.: 120 or 240 depending on model) the warmers will operate at less than their potential. Extra long extension cords should not be used, whereas voltage will drop over the length of the cord. A proper heavy duty extension cord should be used.

TOO HOT: If it is thought the Heating Jacket is too hot, check with infrared temperature sensor. If it is determined that it is actually running too hot return the Heating Jacket to us for calibration or repair.

POWER CORD PULLED OUT: This should ONLY be done by a CHR technician. More damage is usually done by someone trying to make a "quick-fix".

MELTED THROUGH: If the Heating Jacket is melted, this is a sign of either improper installation or a malfunction with the warmer and should be taken seriously.

You should not use the Heating Jacket at all until it can be checked by a technician at Chicken Hawk Racing.

Warranty Information

All CHR products come with one year warranty from date of purchase.

Warranty cards MUST be filled out and sent into our physical address within 30 days of purchase.

CHR will, at their option, repair or replace defective products free of charge during the warranty period, including standard UPS shipping within the USA to the customer. This includes ANY flaw during the manufacturing process including normal heat-up, temperature accuracy or failure.

The warranty only excludes misuse or abuse to the product, such as:

- Leaving the Heating Jacket plugged in or energized while NOT mounted on a tank.
- Bunching or folding the Heating Jacket over during operation.
- Using on the incorrect drum size, over-lapping the Heating Jacket.
- Stepping on, driving over or crushing the Heating Jacket.

REPAIRS AND WARRANTY CLAIMS

The physical address of CHR is:

54 Elizabeth Street, #10
Red Hook, NY 12571

Warmers should be sent via UPS or Federal Express and have the following information included in the box:

Name:

Date:

Mailing Address:

Day-time telephone:

Problem or symptom:

Date product is needed back (we will make best efforts):

Method of payment: Credit Card or COD

WARRANTY CARD:

Fill both out and return to our office,
54 Elizabeth Street, Building #10, Red Hook NY 12571

PRINT LEGIBLY OR TYPE

NAME: _____

DATE: _____

ADDRESS: _____

MODEL: _____

SERIAL NUMBER: _____ (located on power-cord)

PURCHASED FROM: _____