

Graphene Heating Garment

Graphene Heating Vest
Model: COMP-GHV-7450
Graphene Heating Jacket
Model COMP-GHV-7450

Rev: A

Operation Manual



Compcooler, keep your body cool and comfortable in harsh conditions.

COMP cooler Introduction:

Comp cooler Technology specializes in working for personal cooling & heating systems for harsh conditions. Comp cooler has established its resume as a manufacturer for Military, Electronic, Medical cooling equipment. The employees at Comp cooler's state of the art manufacturing facility have been producing liquid heating & cooling systems over 15 years. Quality system: ISO9001 and AS9100 registered facility. Certifications for major items: CE, FCC, UL, PSE, CB, FDA.

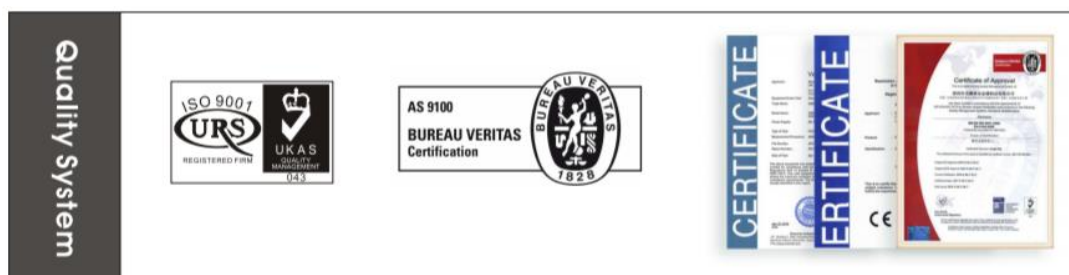
Product Categories

1. ICE Water Circulation Systems
2. Micro Refrigeration Chiller Units
3. Liquid Heating Systems
4. Liquid Cooling & Heating Garment and Pad
5. Customized Cooling Systems
6. Industrial Chiller or Cooling Module

Certifications for major items



Quality System for facility



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Graphene Heating Garment

Description:

Compcooler Graphene Heating Garment used high efficiency graphene heating pads to warm the body. Graphene heating vest used 5pcs heating pads with 3 levels temperature controller, two pcs for front pockets, two pcs for back, and one pc for collar. Graphene heating jacket added two extra pads for arm warming. One touch intelligent controller automatically reduces the power once it reaches its operating temperature, 7.4V 5A rechargeable battery provides 4-8 hours body warming. Front zipper design with Modal cotton scuba stretch material, soft mesh liner, easy don and comfortable warm feeling, 15W and 25W heating capacity, ergonomics vest design, free your body movements.

Key features

High efficiency Graphene Heating pads generate more heat
 One touch intelligent temperature 3 levels controller
 Modal Cotton scuba stretch fabric with soft mesh liner
 Ergonomics design, easy don and comfort to wear
 35W rechargeable battery provides long heating time



7.4V 5A
Rechargeable battery



Battery Charger



12V to 7.4V Power Adapter

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Model-GHV-7450
Components List:

Item	Part number	Description	Quantity
1	COMP-GHV-XX	Graphene Heating Vest	1
2	COMP-RB7450	Rechargeable battery 7.4V 5.0A	1
3	COMP-BC-74	Battery Charger for 7.4V battery	1
4	COMP-PA-1274	Power Adapter 12V to 7.4V	Optional
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Model: COMP-GHV-1274
Components List:

Item	Part number	Description	Quantity
1	COMP-GHV-XX	Graphene Heating Vest	1
2	COMP-RB7450	Rechargeable battery 7.4V 5.0A	Optional
3	COMP-BC-74	Battery Charger for 7.4V battery	Optional
4	COMP-PA-1274	Power Adapter 12V to 7.4V	1
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Technical Datasheet for Graphene Heating Garment

Item	Graphene Heating Vest COMP-GHV-7450	Graphene Heating Jacket COMP-GHJ-7450
Heating Capacity	20W	28W
Heating Pads	5pcs	7pcs
Voltage Range	5-12V	5-12V
Rated Voltage	7.4V	7.4V
Temp Controller	3 Levels	3 Levels
Battery	7.4V 5A	7.4V 5A
Heating Temp Range	38-70°C (100-158°F)	38-70°C (100-158°F)
Working time	4-8 hours	3-7 hours
Operation Ambient	-20 to 50°C	-20 to 50°C
Storage	-40 to 60°C	-40 to 60°C
Color	Black	Black
Weight	1kg	1.2kg

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Specification

Graphene Heating Garment

Fabric Material: Modal Cotton wrinkle free Scuba
 85% Poly 15%Spandex

Color: Black

Liner: stretch mesh

Zipper: YKK Nylon zipper

Heating Unit: water proof Graphene heating pads

Power connection: 4017 male

Controller: 3 levels temperature

Weight: 1kg

Size: XS/S, M/L, XL/2XL, 3XL/4XL

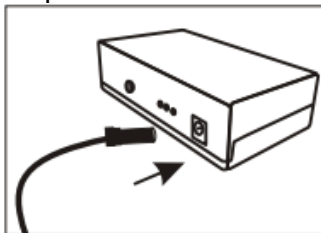
Garment Size:

Item	XS/S	M/L	XL/XXL	3XL/4XL
Chest	84	100	108	126
Waist	76	92	100	118
Length	64	68	70	73
Sleeve Length	58	59	60	61
Collar Length	46	48	50	52
Collar Height	4.5	4.5	4.5	4.5

Preparation

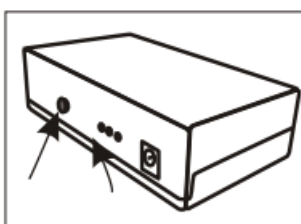
1. Battery Charging:

Connect battery with charger plug, red light means charging, green light mean charge completed.



2. Battery Capacity Checking:

Press the button "battery capacity remaining", 3 lights mean 80-100%, 2 lights mean 50-70%, 1 light means 40% or less.



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Operation Processes

3. Battery connection: plug the power cord (right pocket) into battery



4. Start Heating:
press the ON/OFF switch over 2 seconds to start heating.
5. Temp level setting:
Short press switch, temp levels changes with 3 colors
Low level: Green color, 38°C 100°F
Medium level: Blue color, 50°C 122°F
High Level: Red color, 65°C 150°F
6. Stop heating:
Press power switch over 2 seconds, unit turns off.

3 levels Temperature setting



Clean and Maintenance

Liquid Heating Garment:

Prefer to clean by hand wash then hang dry.

Machine wash with laundry bag, using a front-loading wash machine with cold water on a gentle/delicate cycle, laundry bag to minimize risk of damaging heating pads connection.

Note: DO NOT BLEACH, NO IRON, NO DRYER, TUMBLE DRY ON LOW

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Garment Storage:

Disconnect the battery, clean the garment, pack the unit for storage.

Battery Storage

1. Shall be in the clean and dry ventilation room at temperature 0°C-35°C (32°F-95°F)
2. Shall keep out of fire or heat and avoid touching corrosion elements
3. Shall be charged every 6 months during storage
4. Keep the battery out of children's reach

Please STOP using the battery if any abnormal be found!

Safety:

It is important to become thoroughly familiar with the manual and operating characteristics of the unit. It is the owner's responsibility to assure proper operator training, installation, operation and maintenance of the unit. Observe all warning can result in injury to the operator and severe mechanical damage to the unit.

Warranty:

Compcooler Warrants to the original Purchaser that products sold shall be free from defects material and workmanship for warranty period not exceed one year from the date of shipment. Compcooler agrees to correct for the original user of this product, either by repair, or at the manufacturer's election by replacement. This warranty shall not apply if the defect or malfunction was caused by accident, neglect, unreasonable use, improper service, or other causes not arising out of defects in material or workmanship. The manufacturer's sole obligation under this warranty is limited to the repair or replacement of a defective product and shall not in any event be liable for any incidental or consequential damages of any kind resulting from use or possession of this product.



COMPCOOLER

Personal Thermal Technology,
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