



COMP cooler

Micro Refrigeration Cooling Unit,
Liquid Cooling Vest

Backpack Individual Cooling System

COMP-BICS-12100B



Compcooler Backpack Individual Cooling System (BICS) specifically designed for portable body cooling application, BICS includes Mini Chiller Units, Liquid Cooling Vest and Rechargeable Battery. Micro refrigeration system cools the flow liquid, pump circulates the chilled water go through the liquid cooling vest and continuously flow around the body, this may keep the user at comfortable range. Mini chiller delivers 100W cool capacity, precise liquid temperature control from 5°C to 30°C (41°F to 86°F) accuracy +/-1°C (2°F), once circulation liquid reaches to set point temperature, system intellectually control the cooling capacity to that temperature. This model is good for body cooling application by battery or vehicle power operated.



Key Features

● Compact Mini Chiller Unit

The smallest micro refrigeration chiller unit, compact and rugged design

● Excellent Cooling Capacity

High cooling performance with low power consumption, Battery or vehicle power operated

● Smart System Control

Manual temperature setting for chiller unit, Intelligent system control

● Liquid Cooling Vest

Reversible design cooling vest, Better heat exchange rate, underwear design

● Ergonomically design

Backpack cooling system design, easy don for portable application

● Safety and Healthy

Clean chilled water circulation system, Astronaut and Military story



Cooling Vest

Mini Chiller Unit Specifications

- Compressor: DC 12V Miniature Rotary
- Voltage Range: 10-16V
- Operation Current: 3-8A (10A max)
- Cooling Capacity: 50-150W
- Refrigerant Control: Capillary Tubing
- Temperature Control: 5°C-30°C(41°F-86°F)
- Controller: manual
- Pump: 12V Centrifugal pump, 1L/min
- Fan: 2pcs 12V Fans
- Unit Case: Aluminum Machining
- Color: Desert Tan and Black
- Power Connector: EC5 Male
- Quick fitting: CPC Medical Grey fitting 1/4"
- Noise: 48dBA
- Dimension: 180*88*174mm
- Weight: 2.5KG

Battery Specifications

- Rechargeable Battery: Li-Ion 12V DC, 10A
- Voltage: 12V Aero connector, 7.4V 4017 plug, USB 5V
- Max output: 20A for 12V, 3A for 7.4V and 5V
- Battery Case: Aluminum Machining
- Remaining Capacity Checking: 3 led lights
- Charging: 12V Car Charging and 110/220V AC charging
- Color: Desert Tan and Black
- Size: 80*57*150
- Weight: 1.0KG
- (Optional: Motorcycle power cord to operate cooling system or battery charging.)



Cooling Performance



12VBattery

Cooling System

Applications

Motorcycle Rider, Military Soldier, Police and Security, Outdoor sport, Aviation, Chem/Bio, Racing Car.

Cooling Performance

- Cooling Time: 2-3hours by 12V 10A battery
- Unlimited by vehicle power
- Temperature setting: 5°C-30°C(41°F-86°F)
- Accuracy : +/-1°C (2°F)
- Liquid circulation: 800ml/min
- Operation Ambient: 0°C-45°C (32°F-122°F)

Liquid Cooling Vest Specifications

- Material: Soft Stretch Mesh
- Color: Dark Green Outer and black liner
- Cooling Channel: Silicon tubing 3x5mm
- Zipper: YKK reversible zipper
- Adjustable device: stretch body fit strap
- Fitting: White quick fitting for Inlet and outlet
- Manifold fitting: Aluminum machining
- Dry weight: 0.5kg
- Size: XS/S, M/L, XL/2XL, 3XL/4XL

COMPCOOLER GARMENTS SIZE

Item	XS/S	M/L	XL/XXL	3XL/4XL
Chest	84cm/33.1"	100cm/39.4"	108cm/42.5"	123cm/49.6"
Length	64cm/25.2"	68cm/26.8"	70cm/27.6"	73cm/28.8"

Note: Garment size has 15-30% expansion stretch by stretch fabric or sides adjustable device.



Certificate: CE, FCC, RoHS, Quality: AS9100, ISO9001



COMPCOOLER
www.compcooler.com

Contact: Simon Sun
Cell: +86 13823614596
E-Mail: Simonsun@compcooler.com



Amazon Store