



ELIMINATE
HEAT INDUCED
FATIGUE

The World Leader
in Personal Cooling

COOL SHIRT® Portable Bag System

Congratulations on your purchase of the world's finest Personal Cooling System

COOL SHIRT® Personal Cooling Systems are manufactured in the USA and contain the highest quality components available. With proper installation and maintenance, your system will provide you with years of dependable service. *Please inspect your purchase to ensure that your system contains the components listed below. If there are any discrepancies, please contact Shafer Enterprises Customer Service at 800-345-3176 immediately.*

Included with your system:

| Quantity | Part# | Description |
|----------|-----------------|--|
| ___ 1 | PBS-H-6 (or 12) | Portable Bag System Cooling Unit with 500 GPH internal pump |
| ___ 1 | H-8 | 8-foot insulated water hose with quick disconnects |
| ___ 1 | CW-(size) | COOL SHIRT® Cool Water shirt |

Available accessories for your Portable Bag System:

| Part# | Description |
|--------------|--|
| ___ B-5A | 12 Volt Battery / 5 Amp / 2 hours |
| ___ B-8A | 12 Volt Battery / 8 Amp / 4 hours |
| ___ B-12A | 12 Volt Battery / 12 Amp / 6 hours |
| ___ B-18A | 12 Volt Battery / 18 Amp / 8 hours |
| ___ CHAR-500 | Battery Charger |
| ___ FWS-LS | Long-Sleeve Firewear fire-retardant Hans-Friendly COOL SHIRT® |
| ___ FWS-SS | Short-sleeve FireWear fire-retardant Hans-Friendly COOL SHIRT® |
| ___ C-NCW-LS | CarbonX fire-reatrdant Hans-Friendly COOL SHIRT® |
| ___ NCW-LS | Long-sleeve Nomex Hans-Friendly COOL SHIRT® |
| ___ BCW | COOL BLUE Cotton Shirt / Hans-Friendly |
| ___ FC-1 | Temperature Control Switch with On/Off/Bypass |
| ___ PRC-2 | Emergency Safety Pull Release Connector Kit |
| ___ UK-1 | Universal Connector and Drain Kit |
| ___ Other | _____ Order packed by: _____ |

Additional items



Portable Bag System

System Specifications

| | <u>Dimensions</u> | <u>Cooling Time</u> | <u>Dry Weight</u> | <u>Power Required</u> |
|----------------|----------------------|---------------------|-------------------|-----------------------------|
| PBS-6: | 15”L x 6.5”W x 9.5”H | 2 hours | 2 lbs. | Water Pump: 2.0A,12V |
| PBS-12: | 19”L x 6.5”W x 14”H | 4 hours | 2 lbs. | Water Pump: 2.0A,12V |

Note: Portable bags are tapered in shape and are therefore longer at the top than at the bottom. The PBS-6 is actually 10.5 inches long at the bottom and the PBS-12 is 14 inches long at the bottom.

Instructions for Use

- 1) Pour 1 quart of water into the cooling unit. Fill the unit with block ice (preferable) or cubed ice to the top of the unit.
- 2) Put on the COOL SHIRT® next to your skin with the tubing facing out.
- 3) Connect hose to cooling unit and COOL SHIRT®. Listen for an audible “click” - that ensures a good connection. Turn the unit on.
- 4) Connect to 12V battery or other 12V power source. **Blue wire is negative, brown wire is positive.**

Troubleshooting

- 1) **Leaks:** check to see if all fittings are properly connected. Listen for audible “click”.
- 2) **Not pumping:** recheck electrical connections.
- 3) **Water not flowing:** Check the hoses to be sure that something is not crimping the tubing. If the pump is running but not pumping water, add one more quart of water.

Maintenance

- 1) **COOL SHIRT®:** Turn the shirt inside out and wash in washing machine on the gentle cycle in warm or cold water. Let drip dry or dry in laundry bag dryer.
- 2) To prevent scum build-up and algae growth, once per month or just before long-term storage, add 8 ounces of rubbing alcohol to the cooling unit with 1 gallon of water and circulate through the hose and shirt. Or drain the hose and shirt with the Universal Connector & Drain kit (Part# UK-1)

Product Warranty

All products are guaranteed for one year from the initial date of purchase for defects in materials and workmanship. Shafer Enterprises LLC reserves the right to repair or replace any product found to be defective. For any warranty questions, please call Shafer Enterprises Customer Service at (800)345-3176.