



Using Your Kryo Cooling System

Add water and ice

- Add cold water to the fill line on the pump enclosure (1-1/2" deep)
- Add algaecide (See algae prevention section below)
- Add block ice if used
- Add ice cubes or crushed ice to the top of the chiller

Connect Electrical and Hoses

- Place the chiller where it will be used and secure it if necessary
- Connect the power source
- Attach the water hose to the chiller

Connect Garment

- Don the cooling garment
- Attach the garment hose to the water hose
- Switch on the chiller

Regulating the Chiller

- If you feel too cold, turn the chiller off
- When you want cooling again, turn the chiller on

Types of Ice

- Block ice lasts longer than solid ice cubes
- Solid ice cubes last longer than hollow ice cubes or crushed ice
- Ice cubes and crushed ice contain air which has no cooling ability
- If you can replenish the ice, the chiller can cool you indefinitely

Keep your Kryo Cooling System Clean

Dirt

- Protect your chiller, water hose, and garment from dirt
- Rinse the chiller before and after use
- Set bags of ice on a clean surface

Algae

- Algae can grow when your system is not used
- Drain water from the chiller, water hose, and garment if you won't use it the next day
- Use an algacide (See algae prevention section below)

Draining your Kryo System

Drain the water from the chiller, water hose, and cooling garment to prevent the growth of algae.

Drain the Chiller

- Pour all ice and water out of the chiller
- Attach a drain kit coupling to each coupling on the chiller
- Hold the chiller with the couplings down as the water drains
- Store the chiller on the end opposite the couplings with the lid open
- Allow the chiller to drain and dry overnight



Drain the Water Hose

- Attach a drain kit coupling to each connection on the hose
- Lift the hose by the center so the water drains out
- Allow the water hose to drain and dry overnight



Drain the Cooling Garment

- Attach a drain kit fitting to each connection on the garment water hose
- Lift the garment by the side opposite the water hose so the water drains out
- Allow the garment to drain and dry overnight



Drain Kits

Drain Kits are necessary to drain the chiller, water hose, and cooling garment because the water couplings are dry release. When they are uncoupled, the water flow stops. Both a male and a female coupling are needed to drain the water.

Basic Drain Kit

The basic drain kit allows you to drain the chiller, water hose, and cooling garment one after the other, but not to simultaneously drain them.

Basic drain kits contain:

- 2 female hose couplings with 3" of tubing
- 2 male hose couplings with 3" of tubing



Complete One-Person Drain Kit

Complete one-person drain kits allow you to first drain water from a chiller, then simultaneously from a one-person water hose and one cooling garment, and to leave the couplings attached for air circulation.

Complete one-person drain kits contain:

- 4 female hose couplings with 3" of tubing
- 2 male hose couplings with 3" of tubing



Complete Two-Person Drain Kit

Complete two-person drain kits allow you to first drain water from a chiller, then simultaneously from a two-person water hose and two cooling garments, and to leave the couplings attached for air circulation.

Complete two-person drain kits contain:

- 6 female hose couplings with 3" of tubing
- 4 male hose couplings with 3" of tubing



Algae Prevention

If you thoroughly drain water from your system each time you use it, you are unlikely to have algae growth in your chiller, water hose, or garment tubing.

Algaecides

Routine use of an algaecide will help prevent algae growth or to remove algae growth that has accumulated.

You can use a commercial algaecide such as Fountec or isopropyl alcohol. Fountec is available at most pool-supply stores. Isopropyl alcohol is available at most drug and discount stores.

It is simplest to add algaecide to the water each time you use your Kryo cooling system.

You can also connect the water hose and cooling garment to the chiller, fill the chiller with 2 gallons of water, add algaecide, and run the chiller for an hour to clean your system.

	<u>Routine Use</u>		<u>To Clean Algae Growth</u>	
	<u>Fountec</u>	<u>Isopropyl Alcohol</u>	<u>Fountec</u>	<u>Isopropyl Alcohol</u>
13-Quart Chiller	3 Drops	½ Cup	6 Drops	1 Cup
19-Quart Chiller	5 Drops	1 Cup	10 Drops	2 Cups
30-Quart Chiller	8 Drops	1 ½ Cups	16 Drops	3 Cups

Water Hoses

Water hose fittings are dry release. The flow of water stops when they are disconnected.

Fittings are emergency release. They should automatically release when you pull them one-by-one. If you pull on two fittings they may not automatically release.

If your water hose is too long, it can easily be shortened. Instructions are available on the water hose page of KryoCooling.com.

Using a Kryo Battery

- Turn the chiller on and off with the switch on the battery power cable.
- Push the small button next to the green lights to check battery charge.
- Four green lights = 100% charge, 3 = 75%, 2 = 50%, and 1 = 25%

Charging a Kryo Battery

- Plug in the battery charger and flip on the switch on the battery case to begin charging
- A red light indicates that the battery is charging
- A green light indicates that the battery is fully charged or that the charging switch is turned off.

WARNING

It is the user's responsibility to determine whether kryo products are appropriate for the intended use. Improper use of kryo products may result in injury or death. Improper use includes but is not limited to improper selection, use without adequate training, disregard of warnings and instructions supplied with the product, and failure to inspect and properly maintain the product according to the manufacturer's specifications.

KRYO COOLING SYSTEM COMPONENTS

Kryo ice-based products are intended for use with ice and ice-cold water only. Use of any other coolant, including dry ice, refrigerants, or any other cold liquids or gases will damage the system chiller and tubing, voiding the manufacturer's warranty, and may result in death or serious injury to person or property.

CAUTION: IMPORTANT - PLEASE READ

Avoid extended use of Kryo products. Failure to follow instructions or warnings could result in serious injury. Discontinue use immediately if skin feels too cold or becomes red, or if you begin to shiver, become drowsy, confused or feel uncomfortable. Extreme cold can cause hypothermia, frostbite or burns. Never use while sleeping. No warranty or representation is made as to the product's ability to protect the user from any injury or death in any manner of use. The user assumes that risk. Gibson & Barnes, its owners, dealers, distributors, or representatives are not responsible for any loss or injury arising from misuse of this product, including failure to observe the above precautions.

WARNING

FIRE-RETARDANT AND FIRE-RESISTANT COOLING GARMENTS

Kryo garments designated as "fire retardant" or "fire resistant" are designed for reducing the chance of combustion in the presence of ignition source. They are not fireproof.

WARNING

STANDARD COOLING GARMENTS

Kryo garments not designated as fire retardant or fire resistant are made from natural and synthetic materials. They are not fire retardant or fire resistant.

KRYO COOLING GARMENTS

Kryo cooling garments may not be modified or altered in any manner other than by the manufacturer and must be used strictly in accordance with its intended purpose. Any such modification or alteration of the product will void the manufacturer's warranty relating thereto. Modifications and alterations of garments include, but are not limited to, cutting, piercing, tearing, removal of stitching, sewing, gluing, pinning or other means of attaching decorations (patches, buttons) or accessories. All users of the product are advised that modifications and alterations of the product may reduce the product's safety and reliability and may result in death or serious injury to person or property. Any party that modifies or alters these products may be subject to liability for injuries and damages suffered by others as a result of such modification or alteration.

LIMITED WARRANTY

Kryo products are warranted by Gibson & Barnes to be free of defects in material and workmanship for a period of one (1) year from the date of purchase by the retail customer, in accordance with and subject to the manufacturer's standard limited warranty terms and conditions specified in the Owner's Manual and other literature provided with the product or subsequently supplied by the manufacturer. This warranty is void if the system is operated with improper fluid levels, or if improper fluid mixtures result in build-up of mineral deposits or algae within the system. This warranty does not cover physical abuse to the unit or damage caused by improper power connections.

DISCLAIMER

Gibson & Barnes expressly disclaims any and all other representations, express or implied, including, without limitation, implied warranties of merchantability and fitness for a particular purpose. No warranty is made or implied regarding any product sold or manufactured by gibson & barnes to protect the user from injury or death. The user assumes all risks. In no event, shall gibson & barnes' liability to the buyer arising out of or relating to this product exceed the purchase price.