

## Club-12 Driver Cooling System

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

The COOLSHIRT Club-12 Driver Cooling System is the finest driver cooling system available today. Used by drivers in all levels of racing, this system delivers comfortable cooled water to the driver's shirt, keeping the driver more comfortable, safe, and mentally alert, as well as helping prevent heat exhaustion .

**COOLSHIRT 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.

### Included with your system:

<u>Quantity</u>	<u>Part #</u>	<u>Description</u>
_____ 1	CS-12	Club 12 Cooling Unit with 400 GPH internal pump
_____ 1	H-12-S	12-foot insulated water hose with quick disconnects
_____ 1	MA-16	Maintenance Additive (16 oz bottle)

### System Specifications:

Dimensions  
CS-12: 14"L x 9.5"W x 11"H

Cooling Time  
3 Hours

Dry Weight  
4 lbs.

Power Required  
Water Pump: 2.5A, 12V

***Installation Instructions:*****COOLING UNIT (Part#:CS-12) and MOUNTING TRAY (Part#:MT-12 (if purchased))**

- 1) Select mounting tray location and permanently attach the tray to the racecar with any appropriate hardware (not provided). Place cooling unit into the mounting tray.
- 2) Thread the tie down strap through one of the two slots provided on the cooling unit, then run the strap down through the slot on the same side of the mounting tray. Run the strap lengthwise *under* the cooling unit *between* the mounting tray and cooling unit, through the slot on the other side of the mounting tray and up through the slot in the top of the cooling unit.
- 3) Use the clamp provided on the strap to secure the cooling unit to the tray. The cooling unit and mounting tray were packaged this way from the factory prior to shipping to illustrate proper placement of the tie-down strap.

***Note: Ensure that the 12-foot water hose can reach the driver. Do not allow the hose to come into contact with any hot metals as this may damage the hose.***

**COOLING UNIT (Part#:CS-12) Only / No Mounting Tray**

- 1) Mount the Cooling Unit (CS-12) at a convenient place in the racecar using your own fabricated mounting tray or by strapping the cooling unit directly to the racecar with eye hooks and ratchet straps.
- 2) Wire the cooler into a toggle switch or the COOLSHIRT Temperature Control Switch (Part# FC-1) Brown wire = Positive, Black wire = Negative

***Note: Do not allow the cooling unit to come into contact with any hot metals as this may damage the unit. For driver safety, before using the system, ensure that the cooling unit can be securely fastened to the racecar and that it will not break loose in the event of a crash.***

***Instructions for use:***

- 1) Pour 1/2 to 1 gallon 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 COOLSHIRT next to your skin with the tubing facing out. Put on your driver's suit and route the hoses outside of your suit via the side pocket or front zipper.
- 3) Connect hose to cooling unit and COOLSHIRT. Listen for an audible click which insures a good connection. Turn the unit on.

***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 your seat belt or harness is not crimping the tubing. If the pump is running but not pumping water, add one more quart of water.

***Maintenance:***

- 1) **COOLSHIRT:** Turn the shirt inside out and wash in washing machine on the gentle cycle in warm or cold water.
- 2) Add one 2 ounce bottle of Maintenance Additive (MA-16) in the cooling unit ***with the ice and water each time the unit is used***. This will keep the pump, hoses and vest lines clear of the buildup that occurs naturally in water circulation systems and increase the performance and lifetime of the pump. You can also drain the hose and vest after each use with the Universal Connector & Drain kit.