

ThermoFlo Hydration Units



ThermoFlo Max™

Parts List/Assembly Instructions/Users Guide

*****PLEASE READ ALL INSTRUCTIONS CAREFULLY AND THOROUGHLY*****



Owner's Manual

(Please check to make sure to locate all parts before assembly.)

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(Please check to make sure to locate all parts before assembly.)

Parts List and Assembly

*****PLEASE READ ALL INSTRUCTIONS CAREFULLY AND THOROUGHLY***
*****BEFORE BEGINNING ASSEMBLY*******

Please be sure all parts listed below are included in your package before beginning assembly.

Figure (1)



Figure (2)



Figure (3)

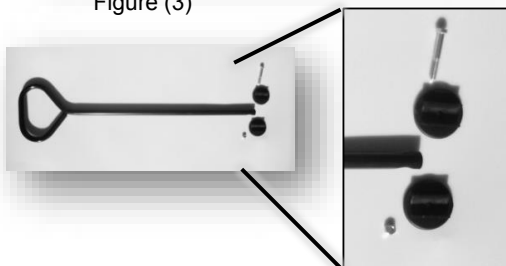


Figure (4)



Figure (5)



Figure (6)



Figure (7)

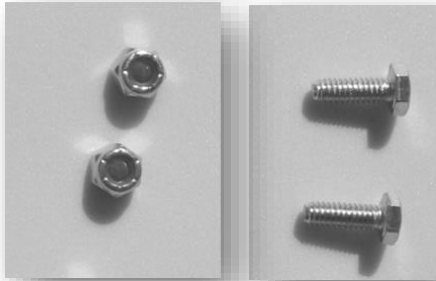


Figure (8)

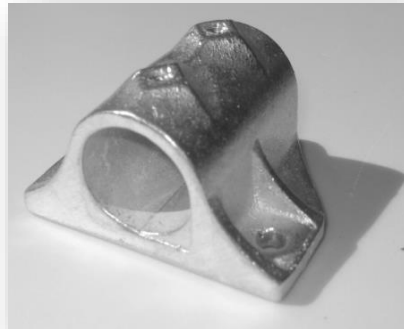


Figure (9)

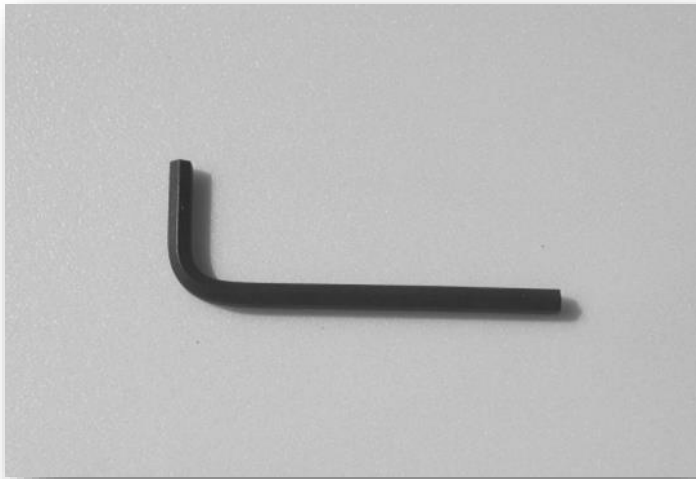


Figure (10)

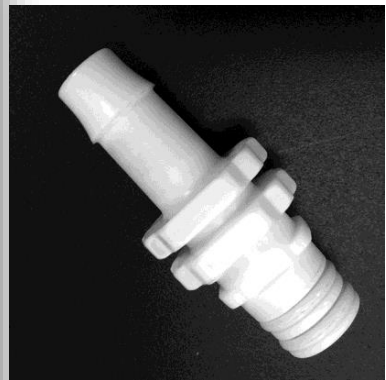
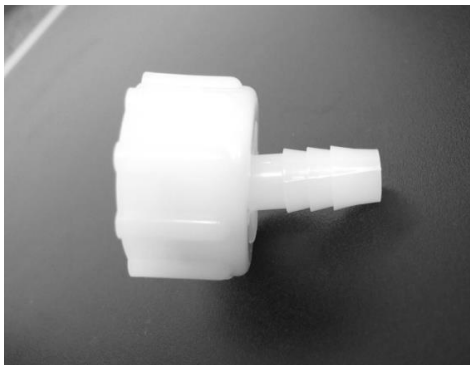


Figure (11)



Assembly Instructions

You should have three boxes for a complete unit (*Figure 1.*). Contents are as follows:

- Box 1
 - 4 wheel cart(*Figure 2*)
 - Handle assembly (handle, two spacers, bolt, lock nut) (*Figure 3.*)
 - 2 Aluminum support pipes (*Figure 4.*)
- Box 2
 - Cooler with coils
 - Parts bag inside cooler
 - 2 tie down straps (*Figure 6*)
 - 2 bolts, and 2 nuts (in zip closed plastic bag) (*Figure 7*)
 - Aluminum support pipe mount (*Figure 8*)
 - Allen wrench (*Figure 9*)
 - Barb Fitting and hose clamp (*Figure 10*)
 - Female hose fitting (Nylon) and hose clamp (*Figure 11*)
 - Instructions
- Box 3
 - Manifold assembly w/ 6 hoses/ 6 valves (*Figure 5*)

Additional tools needed: 2- 7/16" open end wrenches, large adjustable wrench, and a standard screwdriver

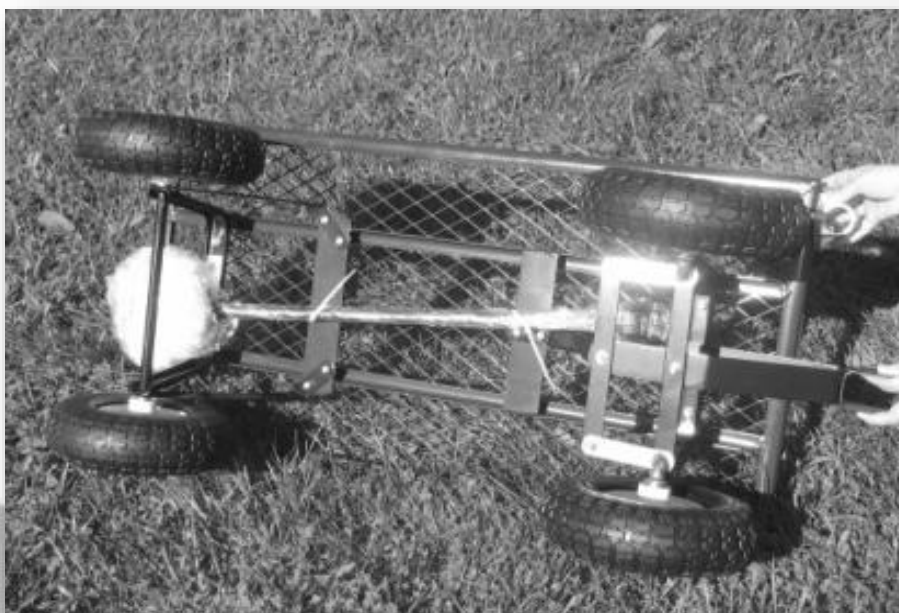
Assembly Instructions

Please read these instructions carefully before attempting assembly.

******IMPORTANT To avoid damage to the plastic components. Tightening a plastic connection with a wrench will not ordinarily stop a leak, but it will almost always cause damage. Cramer Products will not replace under warranty any parts damaged by over tightening.******

Cart Handle

- Remove and unwrap handle assembly from underneath cart.



- Remove bolt and nut from bottom of handle holding the plastic washers against the handle.
- Place this assembly between the forked section of the steering tongue on the cart lining up the holes.



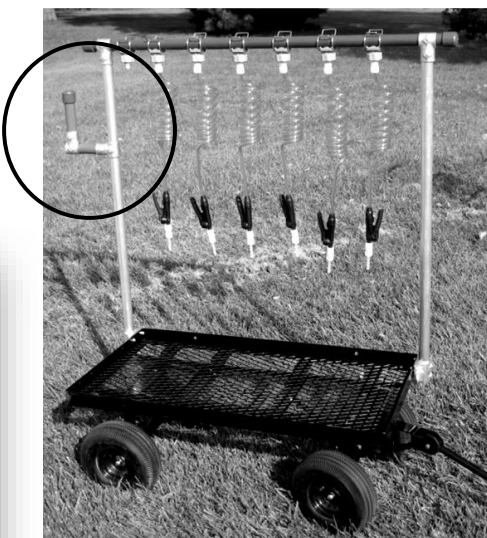
- Install long bolt through tongue, washers, and handle.
- Install nut and tighten assembly just enough so handle will stay up on its own.

Manifold Assembly

- Locate aluminum support bracket (one is already attached to the front of the cart).
- Install bracket to the back of the cart with two 1/4 x 3/4" bolts and locknuts (see front bracket for proper orientation) and tighten securely.



- Locate the two aluminum poles and place the pole with the hose rack in the mounting bracket on the rear of the cart (see below) and place the other in the mounting bracket on the front.
- Loosen the set screws on the brackets with the supplied allen wrench until the poles slip all the way to the bottom of the bracket.

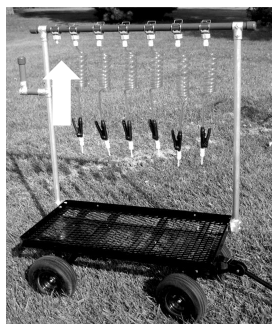
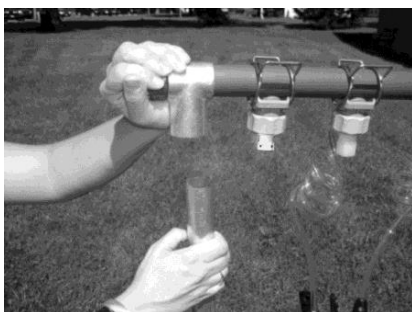


- Tighten set screws securely against the poles with the allen wrench
- Locate manifold with attached hoses.

- Install the manifold on the poles inserting the brackets onto the poles.

*****NOTE*** The inlet supply connector (the one with no hose attached) must be toward the rear of the cart opposite the cart handle!**

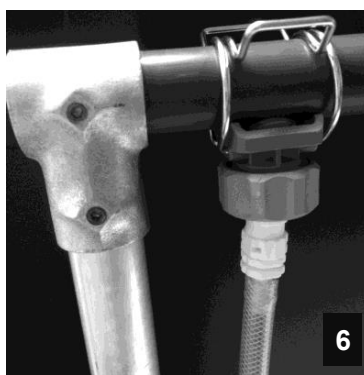
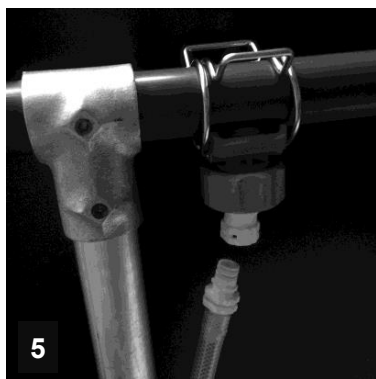
- Loosen the set screws in the brackets with the allen wrench so the manifold slips all the way over the poles. The end with the barbed fitting should be oriented to your left when facing the unit.
- Tighten set screws securely.



Cooler Assembly

- Locate cooler and remove from box.
- Place the cooler on the cart with Powerflo logo facing away from the manifold (the cart handle should be to your right...see below.) (1)
- Feed hose through hole in the side of the cooler by first wetting the hose to allow it to slide through the rubber grommets that are inside the hole. (2) (if wetting with water does not work use warm soapy water instead)
- Insert barbed end of the female connector (Figure 10) into the end of the hose until flush with the last barb. (3 and 4)





- Attach the supply hose by pushing the female end of the coupler on to its male counter part turn 1/2 until tight. (5 and 6).
- To assemble the supply host that connects to your on site water hose, locate the hose assembly inside the cooler on the right (this hose will be attached to the pressure regulator that is mounted on the cooler wall). (7)
- Wet this hose with water and push through the hole on the right side of the cooler wall. Pull through and stop so that there is some **slack** on the inside of the cooler being careful to make sure the grommets remain in place once the hose is fully through the hole. (8)



- Slide hose clamp on to braided tubing then insert barbed end of female hose adaptor into the braided tubing until flush. (9)
- Slide hose clamp up over barb as shown and tighten. (10)
- Position cooler on center of cart.



- Install straps over the cooler in the ridge areas of the tank and put hooks through holes in side rail. Tighten the straps securely around tank.
- Place loose ends of the straps up under the top strap of the tank so they won't drag the ground.

Operating Instructions

- Attach hose (**water potable drinking hose is recommended**) to fitting on the right side of the cooler.



- Turn on water at source.
- To disconnect unit, first turn off water supply then relieve pressure within the unit by opening valve handle (squeeze drinking station handle). Then disconnect supply hose.

Storing

***** Note: ThermoFlo Max™ should be stored in a climate-controlled area. If this is not possible, see winterizing instructions. *****

Winterizing

If the ThermoFlo Max™ unit will be stored where it will be exposed to freezing temperatures, the unit must be winterized.

Dry method:

- The “Dry Method” of winterizing requires draining the water from the entire system.
- Remove supply hose from manifold by twisting the connector 1/2 turn.
- Open all valves to allow water to drain from manifold and tubing.
- Close lid on cooler and place upside down on cart or the ground. Allow all the water to drain out of the coils.

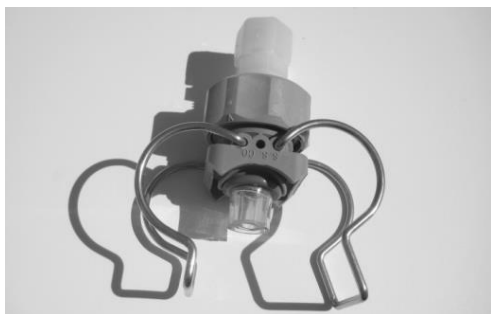


Common Replacement Parts (for full list of replacement parts contact customer service) .

028009- PF 50 Replacement Wheel (1 ea.)



028002 Clamp W/Nylon Tube Fitting



028006 Clamp W/Supply Connector



027203- Replacement Cooler Assembly

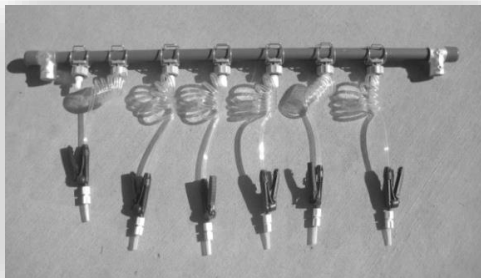


Common Replacement Parts

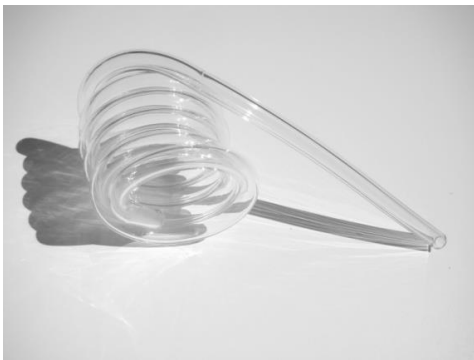
026011- Replacement Valve



027204- Thermoflo Max Replacement Manifold W/Valves and Coiled Hoses



028003- Coiled Hoses (set of 6)



029003- 2.5' Single Coiled Hose



028004- Pull Strap Replacement (1)



026017- Replacement Valves (set of 4)

Troubleshooting

Problem	Solution
Leaks	<ul style="list-style-type: none"> ▪ Check threads at connections for cracks caused by over-tightening. If no cracks make sure that all connections are tight (hand tight) and try the unit again. <p>****IMPORTANT To avoid damage to the plastic components. Tightening a plastic connection with a wrench will not ordinarily stop a leak, but it will almost always cause damage. Cramer Products will not replace under warranty any parts damaged by over tightening.****</p> <ul style="list-style-type: none"> ▪ Leaking Manifold If a leak is on a threaded part, tighten the fitting finger tight. Check for cracks in the fittings and around the hose connections. If a leak is on the glued parts, contact customer service for a manifold replacement.
Flat Tire	<ul style="list-style-type: none"> ▪ Air up tire (do not exceed 30 PSI). If significant pressure loss occurs within 24 hours check for punctures or cracks. ▪ If under warranty contact customer service for warranty repair.

WARNING

This is not a toy. All users of this system should be instructed not to point spouts at any person. The pressure of the water could be great and cause injury. Do not use cart to move any object except the ThermoFlo Hydration System. This system is designed only for the use with potable water. Do not use for pumping non-potable products.

Please keep these instructions for further reference. If you have any questions or problems with your PowerFlo[®] Hydration System, please call our customer service department at 1.800. 345.2231 between 8:00 A.M. and 5:00 P.M. CST.

***Manufactured by
The Hygenic Corporation
1245 Home Avenue
Akron, Ohio 44310
Stock Number 027200***

For customer assistance, please call 1.800.345.2231

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