



After removing the FLO-FAST pump from the box you may need two tools, a small adjustable wrench or a 1/2 inch open end wrench and a medium sized flat head screw driver.

Components:

1. Pump Assembly
2. Telescoping Draw Tube w/Seal and Coupler
3. Handle Assembly
4. 5 feet of Hose w/bag of hardware (Relief Spring, (2) Hose Clamps, Aluminum Unleaded Tank Adapter, Safety Tether, and Velcro Strap

Step 1:

Attach the Handle Assembly to the metal shaft on the Pump Assembly. Tighten the bolt with your wrench so that the end of the bolt sits in the indentation on the shaft.

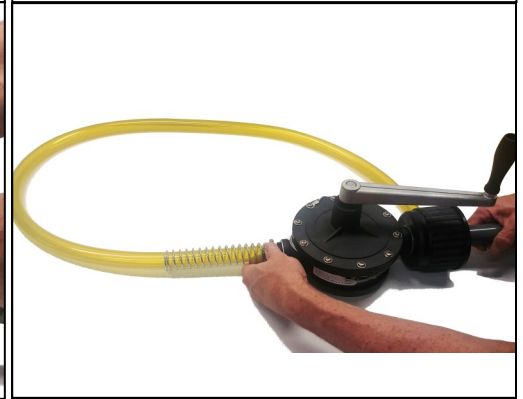
The shaft should now spin along with your spinning of the handle.

Step 2:

Take one end of the Hose and slide the Relief Spring over it. Next slide one of the Hose Clamps over the same end of the Hose. Next push that end of the Hose on the barbed fitting in/on the top of the Pump Assembly until it bottoms out and tightly secure with a medium sized flat head screw driver.

Finally slide the Spring down until it is on top of the Hose Clamp. The Relief Spring is to keep the Hose from kinking.

(Note: The Hose has a natural coil to it and you should install it with the curve of the Hose as shown in the illustration.)



Step 3:

On the open end of the Hose, Slide the Safety Tether on first. Next push in the Aluminum Unleaded Tank Adapter roughly an inch into the Hose. Then align the second Hose Clamp over the Aluminum Tank Adapter and tightly secure to the Hose to ensure a proper seal. Finally wrap the Velcro Strap around the middle of the Hose. (Use this strap to keep the Hose rolled up neatly)

(Note: If you ordered the optional Hose Extension Kit (P/N 40315), use this step on the open end of that Hose and assemble the two Hoses together.)

Step 4:

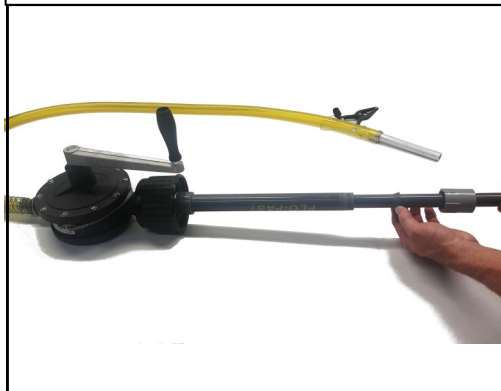
Slide the Coupler over the Telescoping Draw Tube, with the threads of the coupler on top. Next slide the Seal over the Telescoping Draw Tube, with the tapered edge on top. Finally slide the Telescoping Draw Tube into the Pump Assembly and tighten the Coupler just enough to hold the draw tube without it sliding in and out on it's own..

Step 5:

(Note: Best to set the height of the Telescoping Draw Tube without fluid in the container.)

Remove plug from Telescoping Draw Tube extend out longer than the height of the container. Next put the pump into the container, and secure the cap on the container. This should push the Telescoping Draw Tube to it's correct height. Finally, carefully unscrew the cap, pull the Pump Assembly out of the container, and tighten the coupler.

(Note: Do not over tighten the Coupler. Over tightening runs the risk of cracking the Seal or the Telescoping Draw Tube.)



Now you have assembled the FLO-FAST pump.





The photo on the left illustrates either attaching or removing pump from your container. The unique spring arrangement on FLO-FAST allows you to hold the pump with one hand and loosen or tighten the cap independently from the pump head.

The photo on the right illustrates the proper hose placement when attached to the pump. It should curve to the right when facing the pump's handle side.



Important:

When facing the pump's handle side, turning the handle counter-clockwise will draw fluid into the container and a clockwise rotation will pump fluid from the container.

The next two illustrations display the squeeze clamp assembly being used. Before a fluid transfer operation, it is imperative that you apply the squeeze clamp to the object you are transferring fluid out of or into. It ensures that the hose will stay in the filler opening.

Here the squeeze clamp is applied to the filler opening. The tether line is adjustable, simply push the tether up or down on the hose until it is tight, this keeps the hose from being able to move out of the opening. Always make sure the hose is in contact with your filler opening.

**Make sure to read the product warnings and safety instructions!



If you are missing any components do not return to the store you purchased from. Please email or call Product Development Group for replacement components as well if you have any remaining questions about assembly.

The unique design of FLO-FAST makes any fluid transfer extremely safe when used properly.

**Make sure to read the product warnings and safety instruction sheet before using FLO-FAST

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FLO-FAST is a trademark of Product Development Group LLC



U.S. Patent # 7,163,034



Before using the FLO-FAST pump, please read this information completely

The FLO-FAST portable fluid transfer pump is the most versatile, simple and easy to use fluid transfer tool available. The uses and applications are unlimited when it comes to the work place (inside or out), home and recreation.

- Make sure to remove the plug in the bottom of the draw tube prior to using for the very first time. After using the pump and removing it from the container, use this same plug to keep debris from going up into the draw tube.
- Make sure to lubricate the FLO-FAST pump on a regular basis, it helps reduce wear on the internal components.
- FLO-FAST pumps or draws up to 8 gallons of fluid in 1 minute. You can't pour through a funnel as quickly as FLO-FAST can pump, and it's overall design offers the utmost in safety when transferring potentially hazardous or volatile fluids.
- The FLO-FAST pump is a bi-directional pump that allows you to draw fluids into or pump them from the container. FLO-FAST is suitable for use with fuels, oil, lubricants, anti-freeze, water, many chemicals, water based solutions and commercial cleaning fluids. Transfer of fluids is accomplished cleanly, safely and fast. Additional questions on compatibility please contact before use.
- The 5 foot-long hose allows you to access even the most difficult to reach areas.
- The sliding tether line and clamp on the hose eliminates the need for funnels or two-person operations. No more sloshing, spilling, or dripping, especially important when transferring volatile or hazardous fluids. You can reposition the tether and clamp to hold the hose in the filler opening. By attaching the clamp to the filler opening the hose cannot come out of the filler opening.
- Simply insert the hose into the filler opening and use the squeeze clamp on the tether line to hold it in place. Connect the static line to a metal part on what you are filling or a grounded object. Then begin rotating the pump handle to dispense any fluid type up to 8 gallons per minute. By merely reversing the pump handle rotation, you are able to draw up to 8 gallons a minute into your container.
- No more lifting, pouring, spilling, dripping and overflowing. FLO-FAST features a transparent yellow 5 foot hose that allows you to see into the opening of the container you are transferring to, thus eliminating overflow spillage or hazards.
- The manual rotary pump allows a controlled pumping rate and eliminates the need for an external power source or battery that allows the use of FLO-FAST anywhere! **DO NOT** use any electrical device to pump or draw fluid!
- The entire pump can be removed to fill your 5, 7.5, 10.5 or 15 gallon containers or transferred to another container. The absolutely unique design of FLO-FAST allows you to turn the cap by itself and not the entire pump assembly when removing it from your container. It couldn't be easier!
- With several containers you get the benefits of a large supply of fluids. You have the choice to transport one or more 5, 7.5, 10.5 or 15 gallon containers to a bulk supply source or to the location where you will be dispensing the fluids.
- We offer a transport cart for (1) 7.5 gallon, (1) 10.5 gallon, (2) 5 gallon, (2) 7.5 gallon, (2) 10.5 gallon or (1) 15 gallon container(s).
- **ADULT USE ONLY** - FLO-FAST is a tool that may be used with potentially hazardous fluids and should only be operated by an adult.
- Tether Line - The line and clamp make using FLO-FAST simple and easy but, more importantly, make dispensing fluid safe. It is imperative that the squeeze clamp be attached to the unit that fluid is being transferred into or out of prior to pumping or drawing fluid.
- Draining Line - After pumping or drawing fluid is completed, raise the hose to drain any fluid remaining in the hose back toward the pump.
- Revolutions Per Minute - Peak efficiency of your pump is reached at 60 revolutions per minute.
- **DO NOT** store fuel or volatile fluids long term with pump attached to container. Always remove the pump from container and seal your container with the cap provided, prior to storing or transporting.
- **DO NOT** store or use near any heat sparks, flames, pilot lights, stove heaters, electric motors and other sources of ignition. Always store and use in well ventilated areas. Vapors can be ignited by a spark or flame source many feet away.
- **DO NOT** overfill container beyond manufacturer's specified levels. There must be room for fluid expansion inside the containers.



Additional FLO-FAST Part Numbers Below

Log onto www.flofast.com to see the complete FLO-FAST product line

**Professional Model Pump w/
Telescoping Draw Tube**

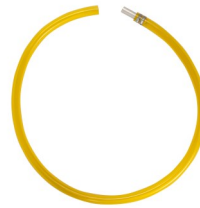


PN# 55100 - Container Pump— Fits 5-15 Gallon Containers

PN# 51505 - Drum Pump—Fits 30-55 Gallon Drums

PN# 55200 - Combo Pump—Fits both Containers & Drums

Pump Accessories



Hose Extension

PN# 40315 - Select & Professional Pump



Filter

PN# 80850 - Professional Model Filter

Containers

5 Gallon



7.5 Gallon



10.5 Gallon



15 Gallon



PN# 50101—Red

PN# 50103—Natural

PN# 75001—Red

PN# 75003—Natural

PN# 10501—Red

PN# 10503—Natural

PN# 15501—Red

PN# 15503—Natural

PN# 50102—Blue

PN# 50104—Yellow

PN# 75002—Blue

PN# 75004—Yellow

PN# 10502—Blue

PN# 10504—Yellow

PN# 15502—Blue

PN# 15504—Yellow

Carts



PN# 60601 -

Compact Fold Flat

* Holds (1) 7.5 or (1) 10.5 Gallon



PN# 60602 -

Fold Flat

* Holds (2) 7.5 or (1) 15 Gallon



Versa

PN# 60605/60615 - Holds (1) 15 Gallon

PN# 60607/60617—Holds (2) 7.5 Gallon

PN# 60620—Holds (2) 10.5 Gallon

*PN# 60615 & 60617 Larger tire option that comes standard on PN# 60620

PN# 60655 - Versa Cart Shelf



www.flofast.com

FLO-FAST is a trademark of Product Development Group



LLC U.S. Patent # 7,163,034



STEPS THE OPERATOR MUST TAKE:

BEFORE PUMPING & DRAWING

- If you choose to pump or draw any type of flammable liquid, do not use this pump or system around any flame or any type of electrical motor or device that may cause a spark or static spark.
- Always place the FLO-FAST system and containers on the ground or dock before transferring volatile or combustible fluids (ex. gasoline).
- Never pump or draw fluid from a truck bed, boat, utility vehicle, or piece of equipment.
- To help reduce static spark, the static wire on the pump must be attached to a metal object that is grounded on your vehicle, equipment, boat, utility vehicle or a grounding rod.
- Do not transfer any fuel with an engine running, hot exhaust can ignite fuel.
- Before filling any gas tank, turn off the equipment and let it cool down.
- When you are transferring volatile or combustible fluids, never have anyone in a vehicle, utility vehicle, equipment, boat, or any piece of machinery.
- Make sure safety tether squeeze clamp is attached to the equipment, utility vehicle or boat before transferring fluid. The purpose of the squeeze clamp is to ensure the hose will stay in the filler opening.
- Always keep the hose in contact with the filler opening. (After you have applied the squeeze clamp to the unit that you are pulling fluid from or pumping fluid into, the hose will stay in contact with the filler opening, therefore dissipating any static build up from the pump or system.).

PUMPING AND DRAWING:

- When pumping or drawing fluid with the FLO-FAST pump, you must properly vent the system. Turn vent counterclockwise (turns into container) to open vent and clockwise (vent turns outward) to close the vent.
- If you are using the FLO-FAST pump with fluids that do not lubricate, over time you may have to prime the pump if you are trying to pump or draw fluid with a dry pump.
- You may need to prime the pump if you are trying to draw or suck fluid from more than 7 feet away. (Each pump comes with 5 feet of hose)
- The 5-foot accessory extension is for pumping purposes.
- If you are pumping or drawing at a rate of more than 60 revolutions per minute, you run the risk of over pressurizing the pump.

WHEN FLUID TRANSFER IS COMPLETE

- Carefully raise the line out of the fluid opening and let any residual fluid drain back into the system container. Do not set the hose down until all of the fluid has drained back into the container.
- Place plug on the tether line into the aluminum tube to seal the hose.
- Before removing the pump system from containers, make several counterclockwise rotations to pull residual fluid out of the pump housing.
- Leave the pump on container for a minimum of 15 minutes to ensure any fluid inside the pump housing drains back into the container.
- Always remove the FLO-FAST pump from the container and place the original cap back onto the container to properly seal and store fluid.
- To eliminate any person from pumping fluid accidentally, do not store the FLO-FAST pump in the container. Always return the pump and system to a safe area where children / others do not have access to it.

STACKING:

- 5-gallon containers must be stacked on level ground to ensure stability.
- When using 5-gallon containers for a fluid transfer operation, we recommend that you only stack 3 high.

Note on 5-gallon containers: We are currently working to establish final recommendations and safety warnings on stacking with fluid.

TRANSPORTING:

- Never transport without securing the containers.
- Never attempt recreational or competitive riding/driving with a container inside or strapped to any type of motorized vehicle or boat.
- Do not rest or lay the containers on their side.
- Do not stack and transport with fluid inside a vehicle, truck bed, boat, utility vehicle or trailer.

Note on 5-gallon containers: We are currently working to establish final safety recommendations on stacking and transporting with fluids inside the container.



STORAGE

- Always store volatile fluids (ex. gasoline) securely and away from the reach of children and pets. Never store volatile or combustible fluids (ex. Gasoline) in your home, storing in your home is not just a serious fire hazard, but a public health hazard too.
- Never store volatile or combustible fluid (ex. gasoline) containers in your home or even in an attached garage or trailer parked next to your home. Containers should always be kept in an outdoor structure such as a shed, storage barn, or a separate unattached garage.
- Do not store jugs outside or in the sunlight

MARINE APPLICATIONS AND OPERATION:

- Do not bring the FLO-FAST system or containers onto a boat or any type of marine vessel to transfer volatile or combustible fluids (ex. gasoline).
- Do not pump or draw any combustible or volatile fluids (ex. gasoline) from container to container when you are standing on a dock or a surface that is floating on the water. This operation is extremely dangerous due to static spark.
- Do not attempt to pour any combustible or volatile fluids (ex. gasoline) from container to container when you are standing on a dock or a surface that is floating on the water. This operation is extremely dangerous due to static spark.
- Transferring or pouring from container to container should never be attempted due to the risk of static spark.
- Anyone that has a plastic dock must take extra precautions and ensure they have properly grounded their system and their body prior to pumping or drawing combustible or volatile fluids.
- After use, remove the FLO-FAST system from the dock and return the unit to a safe storage location.

WARNINGS:

- Never allow individuals under licensed age to use the FLO-FAST pump or system.
- Never let anyone use the FLO-FAST system or containers that has not read this instruction sheet in full.
- Never smoke if fuel or any type of volatile or combustible fluid is being transferred.
- Never place the FLO-FAST system or containers with volatile or combustible fluids by any type of flame.
- Do not transport the FLO-FAST pump while it is in a container.
- Only use the FLO-FAST pump on industry standard largemouth containers.
- Pouring from these containers can be dangerous and is not recommended with a volatile or combustible fluids. For that reason, we have designed the FLO-FAST pump system to safely transfer these fluids.
- Do not use the FLO-FAST pump on any container that does not fit the FLO-FAST pump.
- If you choose to use FLO-FAST with any type of volatile fluid like gasoline, methanol, kerosene, or any harmful chemical, do not inhale vapors.
- When filling a container, always place the container on the ground.
- Never fill a container when it is in a trunk, in the bed of a truck, in a trailer, boat, utility vehicle, or on top of a vehicle.
- To allow for fluid expansion, do not overfill the container beyond manufacturer's specified levels.
- When transferring volatile or combustible fluids (ex. gasoline) from a bulk source tank or at a station, always touch the container with the dispenser nozzle before removing the container cap to ground the static electricity charge
- If any component breaks on the FLO-FAST portable fluid transfer pump or system, do not use until you have replaced all of the broken components.

FLO-FAST CONTAINERS:

- FOR EXPERIENCED USERS IN MOTORSPORTS, OFFROAD, MARINE, AGRICULTURE AND INDUSTRIAL MARKETS
- CAN ALSO BE USED FOR STORAGE AND TRANSPORT OF FEED, WATER, ATTRACTANTS, AND OTHER FLUIDS
- NATURAL / WHITE CONTAINER: IF USED WITH HAZARDOUS FLUIDS, IT'S REQUIRED TO HAVE ADDITIONAL HAZMAT LABELING FOR THE CONTENTS/FLUID
- 5- AND 7.5-GALLON SIZES ARE NOT FOR FUEL USED ON HIGHWAYS
- 5- AND 7.5-GALLON SIZES ARE NOT A PORTABLE FUEL CONTAINER AS DESCRIBED BY ATSM, EPA, ARB OR OFFICIAL AGENCIES