

Installation Instructions for 80230 & 80231 Rapid Flow Pump

After removing Rapid Flow pump system from the box you will need two tools, a 9/16" open end wrench or a small adjustable wrench and a medium sized Phillips screw driver.

Components:

1. 6' foot hose with sliding tether line and clamp.
2. Rotating handle assembly for pump crank arm.
3. A 6" draw tube section, pre-Teflon taped.
4. Basic pump system pre-assembled.

Step 1:

Insert and screw the Teflon taped end of the 6", 10.5" or 13" draw tube section at the bottom end of the pump system draw tube, as illustrated.

Hand tighten very snugly.

6" for 5 gal. jugs

10.5" for 7.5 gal. jugs (not included)

13" for 15 gal. jugs (not included)

Step 2:

Attach the spinning handle to the pump crank arm. Simply screw the yellow handle into the fixed nut inside the crank arm.



Step 3:

Tighten snugly with the open end 9/16 wrench.

"DO NOT OVER TIGHTEN "

Step 4:

Loosen the screw clamp so that you can slip the filler / draw hose onto the barbed fitting.

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 5:

Push hose until it bottoms out on the barbed fitting. Tighten screw clamp snugly with Phillips screw driver. Then, push spring until it is on top of the screw clamp. The spring is to keep the filler / draw hose from kinking.



NOTE: ALL DRUM PUMPS

Note: the section of draw tube with the plastic screen should be placed at the bottom of the drum.

There are (2) additional sections of draw tubes, simply screw the sections together followed by screwing the (2) sections into the pump system. Place the drum pump into the barrel and screw the drum adapter into the opening. Finally, tighten the thumb screw so the pump will be secured.



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The photos on the left and right illustrate either attaching or removing pump system from you container. The unique spring arrangement on Rapid Flow allows you to hold the pump with one hand and loosen or tighten the cap independently from the pump head. We also illustrate the proper hose placement when attached to the pump. It should curve to the right when facing the pump handle side of the system.

Important:

When facing the pump handle side of the system turning the handle counter — clockwise will draw fluid into the container and a clock — wise 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 fluid opening.

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



Rapid Flow Features & Operations

Before using the Rapid Flow system, please read this information completely

- Make sure to lubricate the RAPID FLOW pump on a regular basis, it helps reduce the wear on the internal components.
- RAPID FLOW pumps or draws 5 gallons of fluid in 1 minute. You can't pour through a funnel as quickly as RAPID FLOW can pump, and its overall design offers the utmost in safety when transferring potentially hazardous or volatile fluids.
- The RAPID FLOW system uses a bi-directional pump that allows you to draw fluids into or pump them from the system container. RAPID FLOW 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 us before use.
- The 6-foot-long fill / draw line allows you to access even the most difficult to reach areas.
- The sliding tether line and clamp on the fill/draw line eliminates the need for funnels or two-person operations. No more sloshing, spilling, or dripping—especially important when transferring volatile or hazardous fluids.
- The sliding tether line on the hose allows you to reposition the tether and clamp on the external fill / draw hose. By attaching the clamp at the filler opening, the hose cannot come out of the filler opening. The tether line also grounds RAPID FLOW by keeping the fill / draw hose in contact with the unit that you are pumping or drawing fluid from.
- Simply insert the hose into the opening of container you want to fill and use the squeeze clamp on the tether line to hold it in place. Then begin rotating the pump handle to dispense any fluid type at 5 gallons per minute. By merely reversing the pump handle rotation, you are able to draw 5 gallons per minute into your container.
- No more lifting, pouring, spilling, dripping and overflowing. RAPID FLOW features a clear 6 feet long fill/draw hose that allows you to see into the opening of the container you are transferring to, thus eliminating overfill 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 RAPID FLOW anywhere! Do not use any electrical device to pump or draw fluid!
- The entire pump system can be removed to fill your 5, 7.5 or 15-gallon jug or transfer fluid to additional jugs. The absolutely unique design of RAPID FLOW 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 or 15 gallon jugs to a bulk supply source or to the location where you will be dispensing the fluids.
- Adult Use Only – RAPID FLOW is a tool that may be used with potentially hazardous fluids and should only be operated by an adult.
- Tether Line – The tether line and clamp make using RAPID FLOW 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 65-70 revolutions per minute
- Do Not Store Fuel or Volatile Fluids Long Term With Pump System Attached to Jug – Always remove the pump system from container and seal your utility jug with the extra cap provided with your system.



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Product Warnings / Safety Instructions

RAPID FLOW Portable Fluid Transfer System

RAPID FLOW has a one year warranty on parts and workmanship

READ ALL OF THE INFORMATION ON THIS PAGE BEFORE YOU EVER USE RAPID FLOW!

RAPID FLOW is a tool – and as the owner / operator of this product, your own good common sense is most important in using it safely and properly. If you have any questions about how to use this tool call before you attempt to use RAPID FLOW. We can only warn you we cannot eliminate all the dangers that are part of transferring volatile fluids.

Do not let anyone use this system unless they have read all of the information provided.

STEPS THE OPERATOR MUST TAKE BEFORE PUMPING OR DRAWING ANY VOLATILE / COMBUSTIBLE FLUID

- **Always** make sure the RAPID FLOW system is placed on the ground before pumping or drawing any fluid.
- Apply static wire clamp to the filler opening to reduce the risk of static.
- Do not transfer any fuel with engine running, hot exhaust can ignite fuel.
- Make sure the squeeze clamp is applied before transferring fluid, look at picture I. and J. in the instruction booklet for reference. The squeeze clamp is to make sure the fill / draw line will stay in the fluid opening.
- Always keep the fill / draw line in contact with the fluid opening. (After you have applied the squeeze clamp to the unit that you are pulling fluid from or pumping fluid into, the fill / draw line will stay in contact with the fluid opening therefore dissipating any static build up from the system.)
- If you choose to pump or draw any type of flammable liquid do not use this system around any flame or any type of electrical motor or device that may cause a spark or static spark.
- If fuel is being transferred do not smoke or place the RAPID FLOW system by any type of flame.

STEPS THE OPERATOR MUST TAKE WHEN FLUID TRANSFER IS COMPLETE

- After a fluid transfer operation, carefully raise the line out of the fluid opening and let the fluid drain back into the system container. Do not set the hose down until all of the fluid has drained back into the container.
- To eliminate any person from pumping fluid accidentally, **DO NOT** store the RAPID FLOW pump system in any type of portable jug. Always put the pump system in a safe area where children / others do not have access to the system.

WARNINGS

- Children must not use the RAPID FLOW portable fluid transfer system.
- Do not transport the RAPID FLOW pump system while it is in the utility jugs.
- After a fluid transfer operation, always remove RAPID FLOW pump system from container and place the extra cap on the utility jug.
- Do not allow individuals under licensed age to use the RAPID FLOW system.
- If you choose to use RAPID FLOW with any type of volatile fluid like gasoline or methanol or any harmful chemical, do not inhale vapors.
- If any component breaks on the RAPID FLOW portable fluid transfer system, do not use the system until you have replaced all of the system components.
- When filling containers at a gas station always place the container on the ground and never fill a container when it is in a trunk, in the bed of a truck, in a trailer, or on top of a vehicle. Fill your containers only 95% full to allow for fluid expansion.
- It is unlawful and dangerous to use unapproved fuel containers.
- You can only use the RAPID FLOW system on industry standard large mouth jugs.
- Do not use RAPID FLOW on any container that does not fit the RAPID FLOW pump system.

THINGS TO CONSIDER

- **When pumping or drawing fluid without a vent cap you need to screw the RAPID FLOW pump system down onto the utility jug, then reverse the cap counter clockwise 1 full turn for a proper venting system.**
- Do not store jugs outside or in the sunlight
- If you are a racer we recommend putting a filter on the RAPID FLOW system.
- If you are using RAPID FLOW with fluids that do not lubricate the RAPID FLOW system, over time you may have to prime the pump if you are trying to 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 7 feet of hose)
- If you are pumping or drawing at a rate more than 60 revolutions per minute you run the risk of over pressurizing the pump.



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80230

For use with 5 gallon jugs



80231

For use with 5 gallon jugs & 55 gallon drums



80237

Drum Extractor



80236 & 80235

Draw tubes for 7.5 gallon and 15 gallon jugs



80239

Rapid Flow pump holder



80210 to 80213

5 gallon square jugs



80200 to 80203

5 gallon round jugs



80238

Drum Wrench