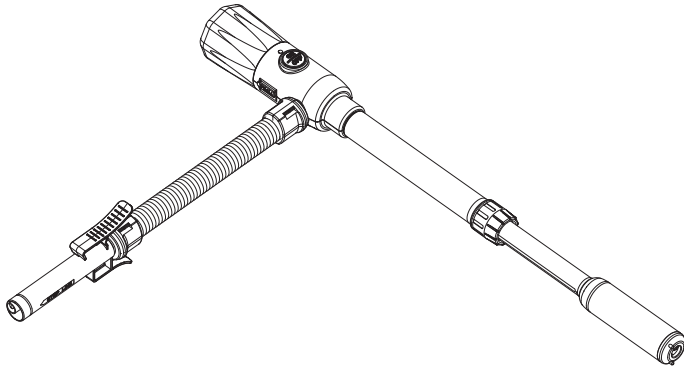


Owner's Manual & Safety Instructions

BATTERY OPERATED LIQUID TRANSFER PUMP



FN201A-USB

Save this manual for the safety warnings and precaution, assembly, operating, inspection, maintenance and cleaning procedures.

DANGER

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

WARNING

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

Addresses practices not related to personal injury.

Specifications:

Power Supply	Requires 4 "AA" Batteries (NOT Included); Use TYPE-C data cable to connect portable power supply with USB port or charger with USB port
Max. Flow Rate	12 Liters per Min(3.2 Gallons per Min)
Auto Stop Function	The built-in sensing system will automatically stop when the fuel is filled.
Applications	Gasoline, diesel, kerosene, DEF, antifreeze, windshield wiper fluid, water (not for drinking).
Operating temperature	5°C-45°C (41°F ~113°F)

IMPORTANT SAFETY INFORMATION

⚠ WARNING Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in serious injury. Save all warnings and instructions for future reference.

1. Do not pump the corrosive liquids and drinking water.
2. When pumping gasoline and flammable liquids, be alert to possible explosion hazard. Flammable fluid fumes and gasoline vapors can be an explosive hazard. Avoid sparks and use only with adequate ventilation.
3. Wear ANSI-approved safety goggles and heavy-duty, chemical resistant work gloves during use.
4. The pump is not a toy. Do not allow children to play with or near the pump.
5. Use as intended only. Only use pump for transferring gasoline, non-potable water, light oil, and other noncorrosive liquids.
6. Do not use if pump is hot.
7. Verify that all connections are tight before using it to eliminate leaking.
8. Do not pump used, dirty liquid.
9. Do not use near open flame or heat sources.
10. Do not turn pump upside down after use.
11. Remove batteries when not in use.
12. Know and obey city and state laws for proper disposal of oil and gasoline. Dispose of properly in accordance with all local laws and regulations.
13. Follow all guidelines regarding materials being pumped, including SDS instructions and EPA regulations.
14. Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries. Position batteries in proper polarity. Do not use swollen or leaking batteries.
15. Do not operate when tired or when under the influence of drugs or medication.
16. Inspect before every use; do not use if parts are loose or damaged.
17. Maintain product labels and nameplates. These are very important.
18. Do not use in diluents, solvents, hot liquids, acetone, benzene, creosol, ethyl, phenol, methyl, ethyl concentrated caustic soda liquid, nitric acid, hydrochloric acid, sulfuric acid, etc.
19. Do not allow the pump to run "dry" or allow the pump to idle without pumping liquid (may cause product failure).

Operating Instructions

Read the ENTIRE WARNING section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

HOW TO OPEN THE BATTERY COVER

As shown in Fig.1, turn the battery cover counterclockwise in the direction of the arrow and lift it up.

HOW TO PLACE THE BATTERIES

Insert 4 AA batteries according to + and – signs and the direction of batteries as indicated in Fig.2

NOTICE:

- *Replace all 4 batteries at the same time
- * Use the same brand/type of batteries

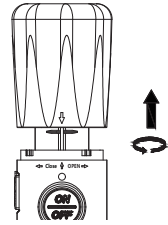


Fig.1

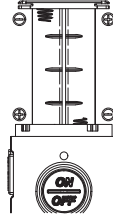


Fig.2

WHEN TO REPLACE THE BATTERIES

- Pump does not operate, even after pressing ON switch or transfer rate becomes slower than in normal operation
- Batteries can begin to discharge if they are stored for a long period of time. Check the expiration dates of batteries

NOTICE:

Unplug the pump before the liquid is completely drained. Do not run unit dry.

HOW TO USE DC POWER

Plug the Type C end into the input end of the pump body and plug the USB end into the input power supply (AC/DC adapter or mobile power supply). As shown in Fig 3.

Note: Input power must be Dc5V, >2A, otherwise the pump can not start or work unstable. When the TYPE-C cable is connected during battery use, press the on button again to start the cable, as shown in Fig 6.

During the process of using TYPE-C for power supply, when a battery is connected, the TYPE-C supply will be prioritized. If you want to switch back to battery power, you will need to unplug the TYPE-C and then press the power button to turn on the device again.

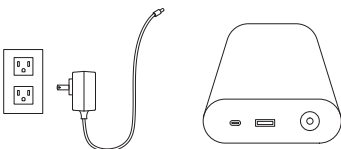


Fig.3

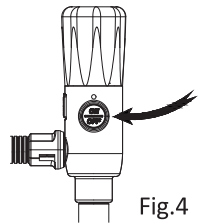
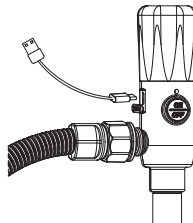


Fig.4

USE METHOD

1. Loosen the nut of the intake pipe clockwise and move it up and down to adjust the appropriate length.
After adjustment, turn the nut back to the original position and tighten it counterclockwise, as shown in Fig 5.

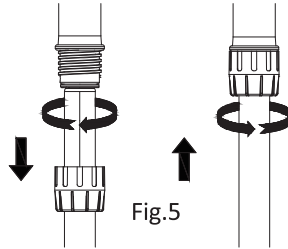


Fig.5

2. Insert the intake pipe into the fuel supplying tank and ensure that the pump is immersed into the liquid to be transferred.

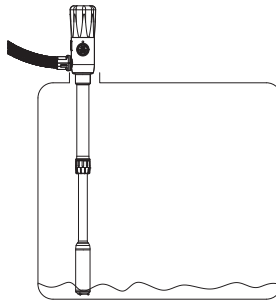


Fig.6

3. Attach the discharge hose to your receiving tank by the clip, and keep the discharge nozzle in a vertical direction tightly as shown in Fig 7.

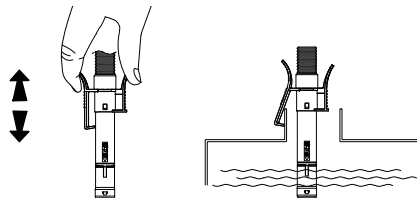


Fig.7

- * Keep the supplying tank and receiving tank at the same level when pump is running.
- * While the clip is not reasonable for the tank, keep the discharge nozzle in a vertical direction tightly.

4. Start the pump by pressing button "ON".
The Automatic models could stop by itself
when the fuel arrive at the stop line.

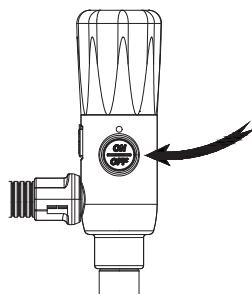


Fig.8

5. After pressing the OFF button to manually
stop pumping the liquid (if necessary)
to stop working, remove the discharge hose
from the tank and return the fuel in the hose
to the supplying tank, as shown in Fig 9.

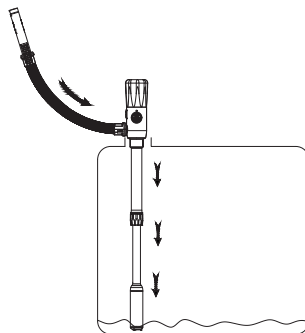


Fig.9

ATTENTION

The above five steps must be operated in order, otherwise it may be due to the wrong operation sequence, resulting in gas retention in the pump body and unable to extract fuel. Do not run the unit "dry".

Before opening, make sure the straw is completely immersed in the liquid.

When the transmission is complete, turn off the switch. Do not turn the pump upside down after use.

Flush the pump well to dry. Remove the battery and store it in a clean, dry place out of reach of children.

When the pump is connected to the fuel tank, do not push the pump up or down.

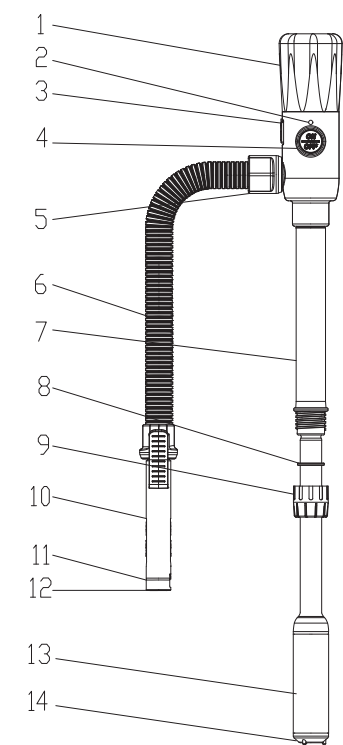
HOW TO STORE

When the pump is not used for a long time, remove the pump from the tank, make sure there is no fuel left in the hose, and dry before storage.

* Before storing the pump, make sure to remove the battery.

* Do not store pumps in airtight containers.

Part List



1	Battery cover
2	LED light
3	Power input port
4	On/Off switch
5	Joint nut
6	Discharge hose
7	Intake pipe
8	Retainer ring
9	Adjusting nut
10	Discharge nozzle
11	Auto stop line
12	Sensor inlet
13	Motor inside
14	Pump cap

Troubleshooting

FAULTS	CHECKS (possible causes)	REMEDIES
Pump does not operate even after pressing ON	A: Batteries may be incorrectly placed B: USB is in poor contact C: Batteries are depleted	A: Ensure the batteries are placed in the pump correctly B: Ensure the USB is fully in contact with the power supply C: Replace the battery/charge the mobile power supply

Pump performance is low	A: Batteries are depleted B: The receiving tank is higher than the supplying tank	A: Replace the battery/charge the mobile power supply B: Make sure that the receiving tank is not higher than the supplying tank
Pump starts after pressing ON button but then stops unexpectedly	Filter of receiving tank may be blocked with foreign material	Clean foreign material from the filter
Pump immediately stops after pressing the ON button	A: Batteries are depleted B: The sensor inlet accumulates liquid and touches the sensor automatic stop function.	A: Replace the battery/charge the mobile power supply B: Remove the liquid from the sensor inlet and ensure that the liquid does not contact the automatic stop function of the sensor.
Pump running, but no fuel delivery after pressing the ON button	The impeller is stuck or blocked by impurities.	Remove pump and clean impurities.
Long press the ON button to work, release will stop working	A: The sensor inlet accumulates liquid and touches the sensor automatic stop function. B: The sensor is loose.	A: Remove the liquid from the sensor inlet and ensure that the liquid does not come into contact with the automatic stop function of the sensor. B: Move the sensor to the correct clamping position and clamp it.
Motor stops before receiving tank is full	A: Batteries are depleted B: Sensor is too low and is touching the liquid C: The USB power supply is in poor contact or the power supply is insufficient.	A: Replace the batteries B: Adjust the discharge nozzle up so that the sensor is closer to the top of the supplying tank C: Ensure that the USB power cable is fully connected to the power supply, and check the power supply.