



## ATD-5020 High Flow Rotary Hand Pump Instructions



- Effortless rotary action dispenses up to 55 Gal. in 3 Min.
- Ideal for use where volume fuel dispensing is needed: Automotive Repair Shops, Body Shops, Construction Sites, Workshops, Marine, Agricultural & Aviation
- 3:1 discharge - (3) rotor turns for every rotation of the handle
- Heavy-duty, die cast aluminum construction with sintered gear driven die cast Zinc rotor & vanes
- 6 ft. delivery hose with metal nozzle
- 3-piece threaded suction tube for use on 15-55 Gal. drums

**Recommended Use:** Gasoline, diesel fuel, kerosene & light lubricating oils up to SAE 30 weight

**Do Not use With:** Corrosive liquids, solvents, acids, alkalines, etc.

## Features:

1. Geared Rotary barrel pump with 3 times discharge per rotation. For every complete handle turn, the rotor turns 3 times
2. Compact design, Ideal for use where volume fuel dispensing is needed, such as construction sites, workshop, aviation, farms/ ranches, boat etc.
3. Professional Die Cast Aluminum construction with Die Cast Zinc rotor & vanes
4. Non wearing sintered gears
5. Crank Shaft mounted on ball bearings
6. Die Cast Aluminum handle with security locking latch
7. Horizontal Discharge outlet (easily connects to a Fuel Filter)
8. Fits 15 to 55 gallon (50 - 205 liter) drums
9. Dispenses 10 liters (2.60 gl.) per 20 turns

## Piece Count:

1. Pump Body
2. Crank Fitted with Pump Handle
3. Bung Nut with 2" threads
4. Discharge Spout
5. Suction Tube
6. Discharge Hose Assembly (Includes hose, hose spring, nozzle & hose clamp)\*

\*Optional, included only on select models

## Intended use with :

Gasoline, Diesel, Kerosene etc. Works with most petroleum based media & lubricating oils up to SAE 90

## Do NOT use with:

Corrosive media, solvents, acids, alkalis etc

## Wetted components:

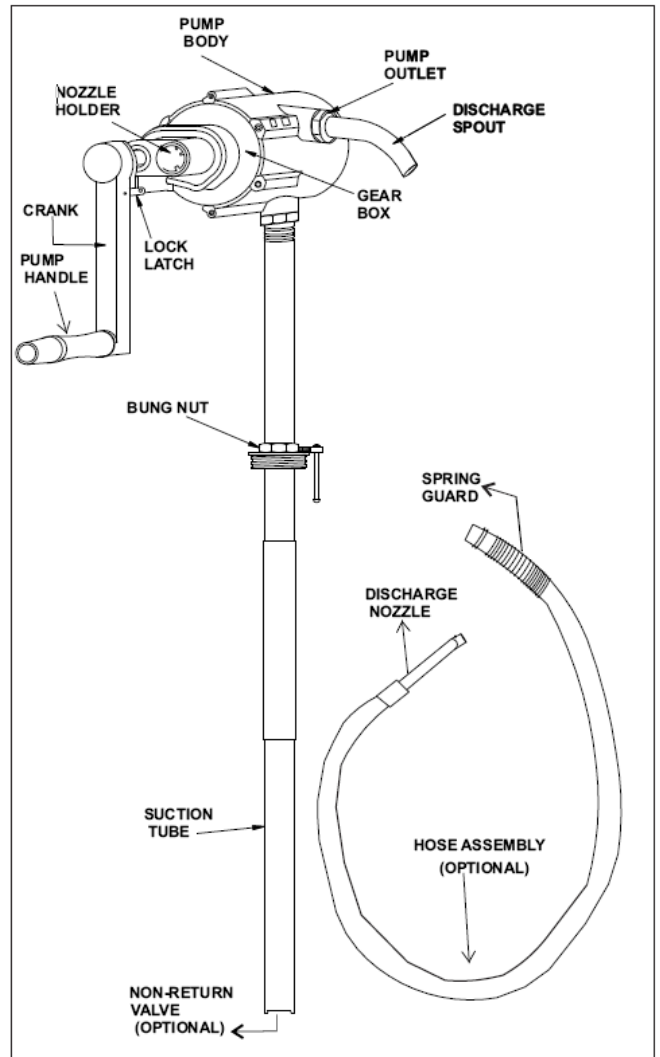
Steel, Aluminum, Zinc, NBR, PVC Nitrile \*\*, Polyacetal\*\*\*

\*\*on models with hose

\*\*\* On models with non-return at inlet of suction tube

## Assembly & Operation:

1. Fasten the discharge spout into the pump outlet. Use a thread sealant for a leak proof connection. For pump models supplied with hose assembly, connect the hose assembly to the end of the discharge Spout using the hose clamp
2. Loosen the grub screw on the crank & connect the crank to the crankshaft. Secure the connection by tightening the grub screw. Make sure that the grub screw fits onto the depression in the crankshaft
3. Assemble the suction tube parts, depending on the drum with which the pump is to be used. All 3 parts must be connected for use with 55 gallon / 205 litre drums. It is good practice to use a sealant such as Teflon in connecting the suction tube parts for a totally leak-proof connection. Select models may come with a telescopic suction tube. Such a tube needs no assembly and will automatically adjust to the drum length
4. Slide the 2" bung nut onto the suction tube from the top end
5. Tighten the suction tube onto the pump inlet. It is good practice to use a sealant such as Teflon in connecting the suction tube to the pump inlet
6. Insert the pump assembly into the drum from the 2" bung opening on the drum



7. Once the bottom of the suction tube touches the base of the drum, securely fasten the bung onto the drum. Now tighten the bung onto the suction tube
8. When using the pump for the first time or after an extended period of time or using the pump to lift Fuels/ Low viscosity Media; make sure to **Prime** before use. To Prime, **POUR 30 ML OF MEDIA BEING PUMPED/ OIL INTO THE PUMP OUTLET. RAPIDLY ROTATE THE PUMP HANDLE TILL PUMP STARTS DISPENSING.** In everyday use, it may take about 10 rotations of the crank for pump to start dispensing
9. When not in use, you may chose to lock the pump using a padlock. Crank has a link under it which fits onto the lock latch on the pump body.
10. For Pump Models supplied with hose assembly, you may use the nozzle holder, located adjacent the crank & crank shaft connection to store the hose when not in use

### USING FUEL FILTER WITH PUMP

This pump is designed for use with a Fuel Filter. This can be done by connecting the pump outlet directly to the Fuel Filter, using a straight steel extension. **Note: Pump outlet is threaded 3/4" BSPT (F)**

### TROUBLESHOOTING

Sr. Nr	PROBLEM	CAUSES	REMEDY
1.	Pump does not dispense fluid	1.Pump not able to create adequate suction 2.Pump is drawing in air instead of fluid  3. Crank is not connected to crank shaft	1. Prime pump. Follow Step 9 above 2. Tighten all connections of suction tube & of the suction tube with pump inlet 3. Loosen the grub screw on the crank. Now align it with the depression on the crank shaft & then tighten
2.	Leakage of media from the crankshaft	Damaged seal due to use with media not suitable for use with pump	Seal needs to be replaced. Send to distributor for service repair
3.	Leakage of media from between the cover plate & pump body	Damaged seal due to use with media not suitable for use with pump	Seal needs to be replaced. Send to distributor for service repair

### CAUTION



1. Use of this equipment to pump fluids other than approved will void the manufacturing warranty
2. Never open the pump Assembly.
3. **This pump is NOT U/L approved. If local laws do not allow for Fuels to be pumped using Non U/L approved pumps; you must not use this pump for dispensing fuel.**
4. This is a Rapid Action Pump & dispenses very large amount of media with each rotation. Be careful not to over dispense. It is also recommended to lock the crank when not in use, as even slight un-intentional rotation will cause a lot of discharge
5. Never operate the pump near fire or source of spark. Some Media may be Explosive & Hazardous
6. Pump should only be used in well-ventilated areas. Never fill containers in confined areas, e.g. inside a vehicle. Do not operate pump in areas where vapors can accumulate
7. Precautions are necessary to minimize the build-up of static charge, which could cause sparking
8. Always use genuine anti-static hose when pumping petrol and other flammable liquids.
9. Fuel storage tanks and drums should be metal and grounded to earth. Ensure the floor or ground where fuel is stored or dispensed is and remains electrically conducive
10. Wear anti-static or conductive footwear and avoid wearing silk and/or synthetic clothing, unless treated with anti-static solution
11. Avoid prolonged skin contact with petroleum products. Use of protective goggles, gloves and aprons is recommended in case of accidental splashing or spillage. Change clothing and wash skin contact areas promptly with soap and water
12. When carrying out maintenance of this pump, for your own protection, thoroughly drain the pump and hose before disassembly. Clean flammable liquids from components as they are removed from the pump. Follow precautions when handling flammable liquids