

HP-01D FUEL PUMP

INSTRUCTION MANUAL



INTRODUCTION

Thank you for purchasing a Macnaught model HP-01D lever action Diesel Pump.

Please read and retain this instruction sheet to assist you in the operation and maintenance of this product. Take particular note of all warnings and safety messages.



WARNING

This product should not be used for fluid transfer into aircraft. This product is not suited for use with fluids for human consumption or fluids containing water.

FLUID COMPATIBILITY

Note: If in doubt about compatibility of a specific fluid, contact supplier of fluid to check for fluid compatibility

This pump is compatible with following fluids:

Diesel, Heptane, Kerosene, Stoddard solvent, Light oils, Mineral spirits

DO Not use the pump with following fluids:

Gasoline, Water, Sulfuric acid, Naphtha, Methanol, Methyl Ethyl ketone (MEK), Acetone, Ammonia, Benzene, Bleach, Chlorine.

SPECIFICATION

Pumping capacity: 96L/25G per 100 strokes

Inlet: 1"

Outlet: 1"

ASSEMBLY

Fitting telescopic downtube to pump

Thread the downtube with the Pump to secure the downtube firmly in place.

Fit pump to tank or drum

1. Pull out short tube to the fully extended position then place the pump in the drum or the tank
2. Thread the Pump to Tank firmly.

Fitting hose to pump (Sequence Is Important)

1. Place the hose in the hose holster. (The locking pin on the spout engages in the keyway at the extreme left of the holsters opening).
2. Turn the spout fully clockwise to ensure that when fully assembled, the nozzle locking pin rests vertically within the holster.
3. Fit hose clamp loosely to the end of the hose and slide the spring down onto the hose.
4. Push hose end onto the pump outlet, slide the hose clamp over the hose at the outlet and tighten. Slide the hose spring up against the hose clamp. Check that the spout locking pin is still in a vertical position inside the holster. If not, adjust the hose position on the spout to resolve this problem.

OPERATION

When the handle is pulled back, the piston is pushed up by the con rod and the valve closes. At the same time fuel or lubricant on the top of the piston is discharged through the hose. When the handle is pushed forward, the piston is pulled down by the cross bar and valve is opened. The fuel or lubricant then flows past valve through the center of the piston and fills the cylinder above the piston. The inlet valve is closed during this stroke.

When finished pumping, return the nozzle to the nozzle holder.



WARNING

Handling flammable liquids is hazardous. There is the potential for an explosion and / or fire. Your personal safety, and the safety of others is at risk. It is the user's responsibility to know and follow all safety precautions when handling flammable liquid and to ensure all equipment operators have adequate instructions concerning safe procedures.

Follow all precautions listed below to reduce the risk of explosion or fire or injury.

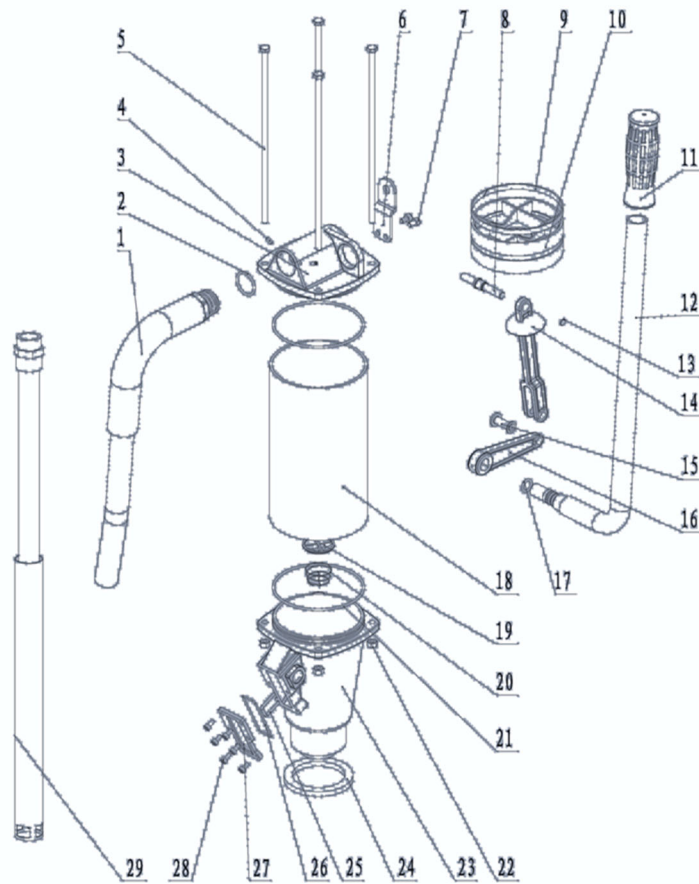
* Pumping should only occur in well ventilated areas. Never fill containers in confined areas e.g. inside a vehicle. Do not operate the pump in areas where vapours can accumulate.

* Do not smoke while refuelling. Do not fill vehicle or equipment fuel tanks when the engine is running or hot. Keep fuel away from open flame or spark.

Precautions are necessary to minimise the build-up of a static charge, which could cause a spark.

* Wear anti-static or conductive footwear and avoid wearing silk and / or synthetic clothing, unless treated with anti-static solution.

* Avoid prolonged skin contact with petroleum fuels. Use of protective goggles, gloves and aprons is recommended in case of accidental splashing or spillage. Change saturated clothing and wash skin contact areas promptly with soap and water.



ITEM	DESCRIPTION	QTY	ITEM	DESCRIPTION	QTY
1	Hose Set	1	16	Clevis	1
2	O Ring	1	17	O Ring Gland	1
3	Body-upper Assembly	1	18	Cylinder	1
4	Hex Screw	2	19	Inlet valve	1
5	Bolts Set	4	20	Spring	1
6	Plate	1	21	O Ring	2
7	Hex Screw	2	22	Nuts	4
8	Cross Bar	1	23	Body-Lower Assembly	1
9	Washer	1	24	Locking Pin	1
10	Piston	1	25	Pin	1
11	Knob	1	26	O Ring	1
12	Pump Handle	1	27	Cover	1
13	Bearing Spring	1	28	Pan Head Screw	6
14	Connecting Rod Assy	1	29	Down Tube	1
15	Clevis Screw	1			

Order HP-01D-1K for Service Seal Kit - (Items included 2, 17, 21, 26)



CAUTION

If carrying out maintenance on this pump, for your own protection, thoroughly drain the pump and hose before disassembly. Clean all components as they are removed from the pump. Follow all precautions when handling flammable liquids. (see page 2)

Troubleshooting Guide

TROUBLE	CAUSE	REMEDY
Fuel leaks at the retainer plate	O Ring seal worn or damaged	Replace O Ring
Handle is loose and unit will not pump	Clevis is broken or the connecting rod pin is dislodged	Replace the clevis or locking pin
Pump continues to syphon even after one stops actioning the handle	Spout is lower than the container	Return spout to spout holster
Pump fails to prime	The piston rings are worn out	Replace piston rings
Pump fails to prime	The downtube and the pump head thread connections are not airtight	Reconnect the threads using thread tape
Experiencing problems priming the pump	Air in the downtube, pump head and hose assembly	Ten to fifteen long, hard actions of the handle are needed to prime the pump



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Note:

This product should be disposed of according to all applicable local and national government environment regulations and guidelines.



For Warranty Terms and Conditions see macnaught.com.au