

VEVOR[®]

TOUGH TOOLS, HALF PRICE

Support and E-Warranty Certificate <https://www.vevor.com/support>

AIR POWERED HYDRAULIC FOOT PUMP USR MANUAL

MODEL: NAP002

We continue to be committed to providing you with tools at competitive prices.

"Save Half", "Half Price", or any other similar expressions used by us only represent an estimate of savings you might benefit from buying certain tools with us compared to the major top brands and do not necessarily mean to cover all categories of tools offered by us. You are kindly reminded to verify carefully when you are placing an order with us if you are actually saving half in comparison with the top major brands.

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HYDRAULIC FOOT PUMP

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Repair Parts Sheets for hydraulic hand pumps are available from your nearest authorized Service Center or Sales office.

NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:

 CustomerService@vevor.com

This is the original instruction. Please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

Before the operation, please read the operation manual carefully to know the equipment and the correct method of use. Please keep it for future reference.

SAFETY PRECAUTIONS

NOTE

PLEASE READ AND FOLLOW THIS INSTRUCTION BEFORE YOU USE THE AIR HYDRAULIC PUMP.

Carefully inspect all components for shipping damage if shipping damage is found. Please notify the carrier at once. The carrier is responsible for any damage resulting from shipment.

1. SAFETY



To avoid personal injury or property damage, please follow all safety precautions. We cannot be responsible for injury or damage resulting from unsafe and incorrect product use or system operation, or lack of maintenance.

DANGER is used when your action or lack of action may cause serious injury or even death.

WARNING indicates a potential danger that requires correct action to avoid personal injury.

IMPORTANT indicates correct action to prevent damage or equipment failure



DANGER

● The hydraulic equipment operator must be a qualified operator familiar with the correct training and work experience in hydraulic equipment. A lack of knowledge in any of these areas can lead to equipment damage or

personal injury.

- To avoid personal injury, please do not modify or weld hydraulic equipment without approval.

- Please never lift more than the rated capacity of the cylinder.

Overloading causes equipment failure and serious personal injury.

- The cylinder is a load-lifting device, not a load-holding device. After the load has been raised or lowered, it must always be held mechanically. Never work under a load supported by a hydraulic unit.

- Keep hands and feet away from the cylinder and workplace during operation to avoid personal injury.

- Do not put unbalanced or off-center loads on cylinders. The incorrect load can result in equipment failure and serious personal injury.



WARNING

- Wear safety glasses, helmets, and other necessary personal protective equipment when operating hydraulic equipment.

- Cylinder used to lift the load must have a solid footing for correct support. Please select steel or wood blocks that are capable of supporting the load.

- Install Pressure gauges in the system to monitor the operating pressure. The gauge must have the same pressure rating as the pump and cylinder. The wrong gauges may result in personal injury.

- The system operating pressure must be lower than the lowest rated pressure in the system.

- (Carefully inspect the cylinder and couplers before using the cylinder.Never connect the cylinder with damaged couplers or damaged port threads.The damaged coupler or damaged port threads may cause equipment failure and possible personal injury.
- Install the coupler in a clean environment;prevent dirt or other debris from entering the cylinder body or tube.Dirt or other debris will damage the cylinder and result in equipment failure and possible personal injury. Before removing or tightening the hose or coupler, release hydraulic pressure in the system.
- Never handle pressurized hoses;escaping oil under high pressure can penetrate the skin, causing serious injury. Seek medical aid immediately if injured.
- Please use or other approved hydraulic oil
- For hydraulic technical help or repair service.Please contact the authorized Service Center in your area. Has no obligations under any warranty with respect to products that have been repaired by unauthorized personnel, modified,or damaged through misuse, abuse, accident, neglect, or mishandling.

IMPORTANT

- Keep the air hydraulic pump clean all the time.
- When the Air hydraulic pump is not in use, release the valve, remove the hose, and use a rubber cap to recover the port.
- Do not drop objects on the hose.

● Do not lift and carry hydraulic equipment by the hoses or couplers; use the handle or other means.

● Use hydraulic equipment at normal operating temperatures. Do not use equipment in temperatures of 65°C(150°F) or higher. Overheating will soften seals and weakens hose materials, resulting in oil leaking or other equipment failures.

DESCRIPTION

Air Hydraulic Pump supplies hydraulic fluid pressure to selected tools. It consists of an in-line air and a hydraulic cylinder.

SPECIFICATIONS

Model	NAP002	
Pressure Rating (psi)	10000	
Useable Oil Capacity (cu.in)	98	
Available Capacity	1.6L	
Air/Hydraulic Ratio	100:1	
Flow (@100Psi)	0.8L/min	
Flow (@10,000Psi)	0.16L/min	
Input Air pressure (psi)	110-145	
Input Port Threads (NPT)	1/4"-18	
Output Port Threads (NPT)	3/8"-18	
Oil Delivery (cu.in/min)	No Load	49.5
	Load	7.6
Operation Manner	Foot Pedal	
Weight (Kg)	7.4	

BEFORE USE

To prevent oil leaks during shipment, a metal knob is installed and tightened to ensure the best sealing function. Loosen it counterclockwise before use.

Note: Always secure threaded port connections with a non-hardening pipe thread compound. Tighten securely to prevent accidental removal of components while in use. Take care not to introduce compounds into port orifices. Familiarize yourself with the specifications and illustrations in this operator's manual. Know your pump, its limitations, and how it operates before attempting to use it.



Refer to the Specification chart above for details of oil port thread size, usable oil capacity, and more.

OPERATION

The operation of the Unit is as follows:

1. Connect the hose of the Air Hydraulic pump to the hydraulic coupling on the selected tool.
2. Connect the air supply line to the Air Hydraulic pump. The air supply is 5-10 CFM at 100 PSI to obtain proper operating characteristics. In addition, the airline should be equipped with an air line filter.

Foot Pedal operate pumps:

- a. Depress the "Pump" end of the pedal will pump hydraulic oil into the system.
- b. Stop depressing the "Pump" or "Release" end will stop and hold the pressure.
- c. Depress the "Release" end of the pedal will release the pressure in the system.



MAINTENANCE

1. Inspect the connections

Please Inspect hoses and connections and tighten connections as needed. Use a non-hardening pipe thread compound when servicing connections.

2. Adding Hydraulic Fluid

- Depressurize and disconnect the hydraulic hose from the application.
- With the pump in its upright, horizontal position, remove the oil filler plug located on the top plate of the reservoir.
- Use a small funnel to fill reservoir to within 3/4" (19mm) of the opening.
- Wipe up any spilled fluid and reinstall the oil filler plug.

Note: Use only or other approved hydraulic oil. Never use brake fluid, transmission fluid, turbine oil, motor oil, alcohol, glycerin, etc. Use of other than good quality hydraulic oil will void the warranty and damage the pump,

hose, and application.

3. Changing Hydraulic Fluid

- For best results, change the fluid once a year.
- Repeat step 2 above, and then pour the used fluid into a sealable container. Dispose of the fluid in accordance with local regulations.
- Fill with good-quality hydraulic oil as recommended above. Reinstall the vented oil filler plug.

4. Lubrication

Use a light machine oil to lubricate pivot points, hinges, etc.

5. Storage

- Depressurize and disconnect hydraulic hoses from the application.
- Clean the pump and hose, and couplers.
- Store in a clean, dry environment; avoid temperature extremes.

TROUBLE SHOOTING



IMPORTANT:

Hand pumps should be repaired only by qualified or Authorized Service Centers. Repairing the hand without special tools and knowledge may result in injury. Always release pressure and disconnect before making repairs

Symptom	Possible Causes	Corrective Action
Application will not extend,move or respond to pressurized fluid	<ul style="list-style-type: none"> ·Overload condition ·Release valve not closed 	<ul style="list-style-type: none"> ·Remedy overload condition ·Ensure the release valve closed
Application responds to pressurized fluid, but the system does not maintain pressure	<ul style="list-style-type: none"> ·Overload condition ·Release valve not closed ·Hydraulic unit malfunction 	<ul style="list-style-type: none"> ·Remedy overload condition ·Ensure the release valve closed
Application will not return fluid to pump (i.e.cylinder will not retract)	<ul style="list-style-type: none"> ·Malfunctioning coupler, damaged application ·Reservoir overfilled 	<p>·Secureload by other means.</p> <p>Open the release valve, depressurize the pump and hose, remove the coupler and/or application, then renew or replace</p> <p>·Secureload by other means.</p> <p>Open the release valve, depressurize the pump and hose, remove the coupler and/or application, then drain the fluid to a proper level</p>
Application will not fully extend(cylinder or spreader)	<ul style="list-style-type: none"> ·Fluid level low 	<ul style="list-style-type: none"> ·Follow the symptom 3 procedure for securing the load, depressurizing the pump, removing the application, then ensuring the proper fluid level

Poor performance	·Air trapped in the system	Ensure the proper fluid level Ensure the vented oil filler plug lets pressurized reservoir air escape(see BEFORE USE)
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Importer: WAITCHX

Address: 250 bis boulevard Saint-Germain 75007 Paris

Importer: FREE MOOD LTD

Address: 2 Holywell Lane, London, England, EC2A 3ET

Manufacturer: Hangzhou Fuyang Node Hydraulic Technology Co., Ltd.

Address: Gaotai Road, Yinhu, Fuyang District, Hangzhou, Zhengjiang.China

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