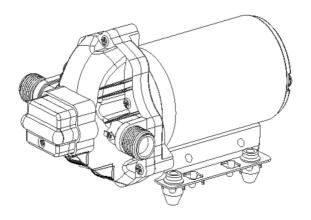
VEVOR®

Diaphragm Pump
Instruction Manual

VEVOR®

Diaphragm Pump

NMDPA33-G33-45-110



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 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 is any technology or software updates on our product.

An economical workhorse, the 33 Series is engineered for flexibility. The 3-chamber series are our Heavy-Duty water pump. It provides high-volume water flow with reduced pump cycling, thanks to the large three-chamber diaphragm. With the on- demand switch, 3.3 GPM, and 45 PSI, the 33 Series will meet your special requirements with positive predictable performance. The 33 Series can reduce rapid cycling and allow water to flow back from the outlet side to the inlet side of the pump. We also offer a variety of easy-connect fitting and filters.

PRODUCT SPECICATIONS

Property	Specications	
Rated Voltage	110V	
Rated Pressure	45 PSI	
Number of Chamber 3 PCS 3 PCS		
Max. Flow 3.3 GPM		
Inlet/Outlet Diameter	1/2" MNPT	

An incredible feature list, high-quality components, plus amazing performance. The three-chamber high-volume design, driven by a heavy-duty motor produces flow rates of 3.3 GPM, capable of self-priming up to 6 vertical feet, and can run dry, making it the price-to-performance leader. This pump also offers a variety of easy-connect fittings and filters.

FEATURES

- · 3 -chamber diaphragm pump
- · Continuous duty
- · Indust-standard mounting patten
- · Run dry capable for normal workloads
- · Automatic: controlled by pressure switch
- · Self priming
- · Quiet Operation
- · Ignition protected

APPLICATIONS

- · Yacht/RV/caravan pressurized water system
- · Sprayer fixtures (vehicle-mounted sprayers , electric sprayers)
- · Cleaning machines Humidifiers water purification, medical apparatus
- · Food beverage filling & liquid transfer
- · Solar water system
- · Any other pressurization system

INSTALLATION

Materials

- 1.diaphragm pump with related accessories
- 2.(at least) pieces of flexible, reinforced hose piping, with collapsing strength of twice the inlet collapsing pressure(hose must be minimum 1/2"ID)
- 3.stainless steel hose clamps and screws
- 4.screws to fasten the pump to the mounting surface
 - 1 electrical cut off switch
 - 1 fuse
 - 1 screwdriver
 - 1 strong cutting implement for tubing (if desired)Teflon tape or sealant

Setup

- 1. The pump may be mounted in any position. If mounted vertically, the pump head should be in the down position to avoid leakage into the motor casing in the event of a malfunction.
- Secure the feet, but do not compress them. Over tightening the securing screws may reduce their ability to dissipate noise and vibration.
- 3.The inlet and outlet hoses must be 1/2" (13 mm) ID reinforced hoses. The diameter of branch and individual supply lines from the outlet should be no smaller than 3/8" (10 mm).
- 4. Plumb the system using high pressure (2 x pump rating), braided, flexible tubing to minimize vibration/noise.
- 5.Do not apply inlet pressure in excess of 30psi. In general, try to avoid any inlet pressure completely.
- Avoid any kinks or fittings which could cause excessive restrictions
- 7.Strainer should be attached to the inlet side.
- 8. The fittings must be secured to avoid leakage
- 9.Use clamps at both ends of the hose to prevent air leaks into the water line.

- 10. If a check valve is installed in the plumbing, it must have a cracking pressure of no more than 2 psi. 11. If applying a sealer or plumbing tape, be careful to not over tighten, as they may be sucked into
- 12. This pump should be wired on its own dedicated circuit. Connect the positive lead (red) to the positive terminal of your battery and the negative wire(black) to the

negative terminal of your battery.

13. In an easily accessible location, install a switch to control

electricity to the pump. Turn the pump off when not used for extended periods or when the tank is empty.

14. The electrical circuit should be protected with an over-current protection device(fuse) in the positive

lead. This pump requires a 15 amp fuse.

- 15. The pump circuit should not include any other electrical loads.
- 16. As the water supply pump is non-essential, reference the wire Chart under the electrical information. Be

sure to have the correct wire sizing for the length of wire you are using.

17. After installation, check the voltage at the pump motor. Voltage should be checked when the pump is operating. Full voltage must be available at the pump motor at times.

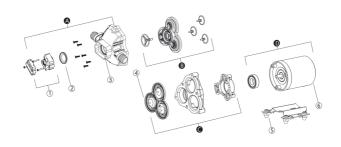
Notes

- 1. Flexible potable water hose or PEX tubing is recommended instead of rigid piping at the pump. If you choose to use rigid piping, provide a short length of hose between the pipe and the pump to avoid noise and vibration
- We does not recommend the use of meta | fittings. When possible, use the provided plastic fittings. 3.Do not adjust the bypass personally without the help of technician.
- 4. Lack of sanitizing and maintenance is one of the main reasons for the under performance of the pump. Please do maintenance and winterize the pump at appropriate times, especially before and after a period of storage.
- 5. All 110 VAC pump motors and systems, MUST be ground per local and state electrical codes.

ACCESSORIES

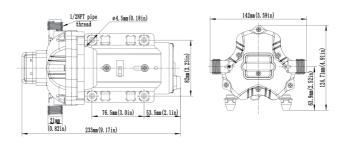
Item	Quantity
Hose Adapter	2
Filter	1
Hexagon Bolt	1
Sealing Tape	1

EXPLODED VIEWS



KEY	Description	Quantity
Α	Pump Head Assembly	1
В	Valve Assembly	1
С	Diaphragm Assembly	1
D	Motor Assembly	1
1	Pressure Switch	1
2	Diaphragm of Pressure Switch	1
3	Pump Head	1
4	Diaphragm	1
5	Iron Feet	1
6	Motor	1

PRODUCT SIZE



TROUBLESHOOTING

PULSATING FLOW— PUMP CYCLES ON AND OFF

- ·Check lines for kinks.
- •Plumbing lines or fittings may be too small.
- ·Clean faucets and filters.
- ·Check fitting tightness for air leaks.

FAILURE TO PRIME BUT MOTOR OPERATES - NO PUMP DISCHARGE

- ·Restricted in take or discharge line .
- Air leak in intake line.
- Punctured pump diaphragm
- •The initial amp supply is not enough to sufficiently start the motor.
- •Debris clogs in the valves .
- ·Crack in the pump housing.

MOTOR FAILS TO TURN ON

- · Loose or improper wiring.
- •The pump circuit has no power.
- Blown fuse
- ·Failed pressure switch.
- Defective motor.

PUMP FAILS TO TURN OFF AFTER ALL FIXTURES ARE CLOSED

- · Punctured diaphragm.
- Discharge line leak
 - Defective pressure switch.
- ·Insufficient voltage.
- Clogged valves in the pump head.

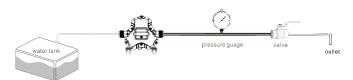
LOW FLOW AND PRESSURE

- · Air leak at the pump intake.
- Accumulation of debris inside pump or plumbing.
- •Worn pump bearing (possibly accompanied by loud noise).
- Punctured diaphragm
- Defective motor.

NOISY

- · Check if the mounting feet are compressed too tightly.
- •Is the mounting surface flexible? If so, it may be adding noise.
- Check for loose head/screws.
- •If the pump is plumbed with rigid pipe, then it may transmit noise more easily.

Install the pump as the picture 1



TIPS:The range of pressure regulation is limited. Please operate under the guidance of professional technicians, otherwise the machine may not work normally

CAUTION

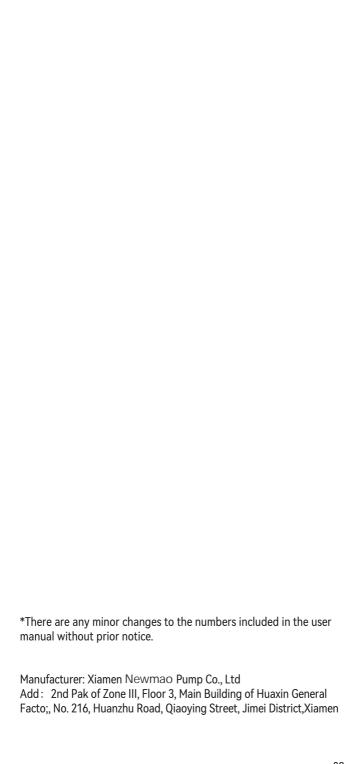
Please do follow the instruction manual to install the product. Any action outside what is recommended in this manual may bring damage to the pump. Any inappropriate installation or operation that causes the pump damage is not covered by warranty. Defective motor.

FCC INFORMATION

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:(1)This device may not cause harmful interference, and (2)thisdevice must accept any interference ereceived, including interference that may cause undesired operation.

This product is subject to the provision of European Directive 2012/19/EC. The symbol showing a wheelie bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste, but must be taken to a collection point for recycling electrical and electronic devices







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