



# Submersible Multi-Use Pumps

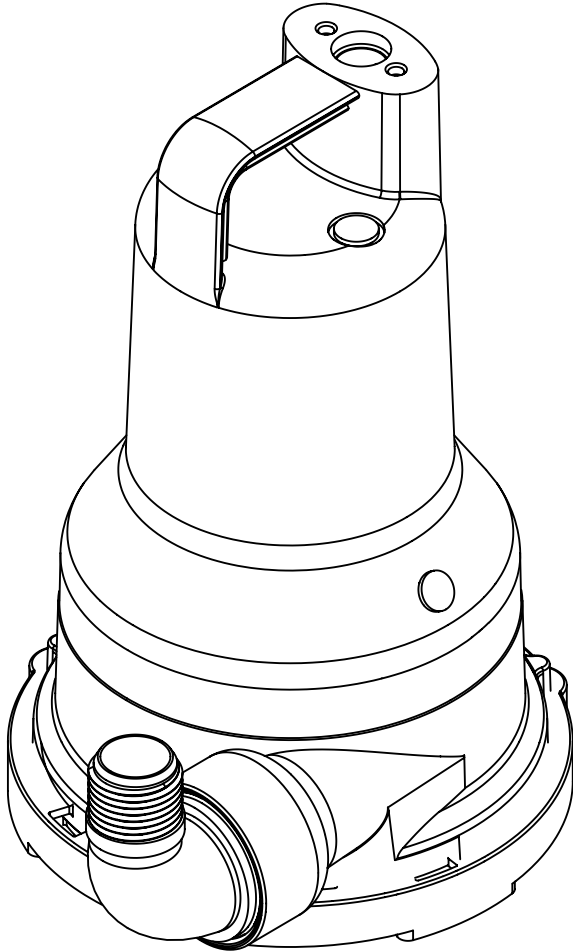
Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage! Retain instructions for future reference.

## Operating Instructions and Parts Manual VIP Series

SPECIFICATIONS	
<b>POWER SUPPLY REQUIREMENTS</b>	120 V, 60 Hz
<b>MOTOR</b>	Single Phase
<b>HORSEPOWER</b>	1/2 HP .....(VIP50) 1/5 HP.....(VIP15)
<b>CIRCUIT REQUIREMENT</b>	15 A (minimum)
<b>LIQUID TEMPERATURE RANGE</b>	40° F- 120° F

CONSTRUCTION	
<b>MOTOR HOUSING</b>	Thermoplastic
<b>MOTOR SHAFT</b>	Stainless Steel
<b>IMPELLER</b>	Thermoplastic
<b>VOLUTE</b>	Thermoplastic
<b>PUMP DISCHARGE</b>	1-1/4 in. NPT or 3/4 in. Hose Threads

PERFORMANCE							
Model	HP	Discharge Head	0 ft.	5 ft.	10 ft.	15 ft.	20 ft.
VIP50	1/2	Gal/hr	2600	2160	1680	1080	300
VIP15	1/5	Gal/hr	2050	1740	1350	880	-



# Operating Instructions and Parts Manual

## DESCRIPTION

This portable, submersible multi-use pump is designed and intended for non-automatic use in water. The units are equipped with an 8-ft. 3-prong grounding-type power cord. The motor is oil filled and sealed for cooler running and designed to operate under water. The non-clogging impeller design minimizes debris from stopping the pump. The elbow fitting allows convenient discharge through a garden hose.

**NOTE: THIS PUMP IS NOT SUITABLE FOR AQUATIC LIFE OR DRINKING WATER!**

## UNPACKING

Inspect this unit before it is used. Occasionally, products are damaged during shipment. If the pump or components are damaged, return the unit to the place of purchase for replacement, or call Customer Support (800-237-0987).

## SAFETY SIGNAL WORDS

To help recognize this information, observe the following signal words/hazard classifications.

**⚠ DANGER** *Danger indicates an imminently hazardous situation which, if NOT avoided, WILL result in death or serious injury.*

**⚠ DANGER** *La mention Danger indique une situation dangereuse imminente qui, si elle n'est pas évitée, ENTRAÎNE la mort ou des blessures graves.*

**⚠ WARNING** *Warning indicates a potentially hazardous situation which, if NOT avoided, COULD result in death or serious injury.*

**⚠ AVERTISSEMENT** *La mention avertissement indique une situation potentiellement dangereuse qui, si elle n'est pas évitée, risque d'entraîner des lésions corporelles graves ou même la mort.*

**⚠ CAUTION** *Caution indicates a potentially hazardous situation which, if NOT avoided, MAY result in minor or moderate injury.*

**⚠ MISE EN GARDE** *La mention mise en garde indique une situation potentiellement dangereuse qui, si elle n'est pas évitée, pourrait entraîner des blessures mineures ou modérées.*

**NOTICE** *Notice indicates important information, that if NOT followed, MAY cause damage to equipment.*

**⚠** *This is the safety alert symbol. It is used to alert you to potential bodily injury hazards. Obey all safety messages that follow this symbol to avoid possible harm.*

**NOTE:** Information that requires special attention.

## GENERAL SAFETY INFORMATION

### CALIFORNIA PROPOSITION 65

## ⚠ WARNING

*This product can expose you to chemicals, including DEHP, which is known to the State of California to cause cancer, birth defects and reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).*

## ⚠ AVERTISSEMENT

*Ce produit peut vous exposer à des produits chimiques, notamment du DOP, reconnus par l'État de Californie comme étant cancérigènes et à l'origine d'anomalies congénitales et de problèmes de l'appareil reproductif. Pour plus de renseignements, visiter le site [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).*

### GENERAL SAFETY

1. Read manual included with this product carefully. Be thoroughly familiar with the controls and the proper use of the equipment.
2. Know the pump application, limitations, and potential hazards. Read these rules and the instructions carefully. Failure to follow them could cause serious bodily injury and/or property damage.



**⚠ DANGER** *Do NOT use to pump flammable or explosive fluids such as gasoline, fuel oil, kerosene, etc. Do not use in a flammable and/or explosive atmosphere. Pump SHOULD be used to pump clear water ONLY. Personal injury and/or property damage WILL result, and void warranty.*

**⚠ DANGER** *NE PAS utiliser pour pomper des fluides inflammables ou explosifs tels que l'essence, le mazout, le kérosène, etc. Ne pas utiliser dans un environnement inflammable ou explosif. La pompe DEVRAIT être utilisée pour pomper de l'eau claire SEULEMENT. Si tel n'est pas le cas, des blessures corporelles ou des dégâts matériels pourraient en résulter et annuler la garantie.*



**REMINDER:** Keep your dated proof of purchase for warranty purposes! Attach it to this manual or file it for safekeeping.

**GENERAL SAFETY INFORMATION (CONT'D)**

**⚠ DANGER** *Disconnect power before servicing. If the power disconnect is out of sight, lock in the open (OFF) position and tag it to prevent unexpected application of power. Failure to do so COULD result in fatal electrical shock!*

**⚠ DANGER** *Débrancher l'alimentation avant de procéder à l'entretien. Si la source de courant n'est pas visible, verrouiller en position ouverte (OFF) et étiqueter pour éviter tout rétablissement inattendu de l'électricité. Ne pas suivre ces instructions POURRAIT mener à une décharge électrique mortelle.*

4. Release all pressure within the system before servicing any component.
5. Drain all liquids from the system before servicing.
6. Secure the discharge line before starting the pump. An unsecured discharge line will whip, possibly causing personal injury and/or property damage.
7. Check hoses for weak and worn condition before each use, making certain that all connections are secure, and open ended.
8. Periodically inspect the pump and system components. Perform routine maintenance as required (See Maintenance Section, on page 3).

**NOTICE** *This pump is not designed to handle salt water, brine, laundry discharge, water softener, sewage, grey water, or any other application which may contain caustic chemicals and/or foreign materials. Pump and/or property damage could occur if used in these applications and will void warranty.*

**Personal Safety**

- a. Wear safety glasses at all times when working with pumps.
- b. Keep work area clean, uncluttered and properly lighted; replace all unused tools and equipment.
- c. Keep visitors at a safe distance from the work area.

**⚠ WARNING** *When using an electrically driven pump such as this, follow all electrical and safety codes, as well as the most recent National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA). All wiring should be performed by a qualified electrician.*

**⚠ AVERTISSEMENT** *En utilisant une pompe électrique comme celle-ci, respecter tous les codes de sécurité et d'électricité en plus du Code national de l'électricité (CNE) le plus récent et aux États-Unis, la loi Occupational Safety and Health Administration Act (OSHA). Tout le câblage doit être effectué par un électricien qualifié.*

**NOTICE**

*This equipment is only for use on 120 volt (single-phase) and is equipped with an approved 3-conductor cord and 3-prong, grounding-type plug.*

1. To reduce the risk of electric shock, the motor must be securely and adequately grounded. This can be accomplished by inserting pump power cord plug directly into a properly installed and grounded 3-prong (GFCI), grounding-type receptacle.  
Where a 2-prong wall receptacle is encountered, it must be replaced with a properly grounded 3-prong (GFCI) receptacle installed in accordance with the NEC and local codes and ordinances.
2. Protect electrical cord from sharp objects, hot surfaces, oil, and chemicals. Do not operate with damaged cord.
3. Do not handle a pump or pump motor with wet hands or when standing on a wet or damp surface, or in water.

**⚠ DANGER** *If your basement or room has water or moisture on the floor, do NOT walk on wet area until all power has been turned off. If the shut-off box is in the basement, call the electric company to shut-off service to the house, or call your local fire department for instruction. Failure to follow this warning WILL result in fatal electrical shock.*

**⚠ DANGER** *Si le sous-sol ou la pièce a de l'eau ou de l'humidité sur le plancher, ne PAS marcher aux endroits mouillés avant que le courant ne soit coupé. Si le boîtier de coupure de courant se trouve au sous-sol, appeler la société d'électricité pour couper le courant de la maison, ou encore appeler le service d'incendie local pour des instructions. Le non-respect de cet avertissement ENTRAÎNERA un choc électrique mortel.*

# Operating Instructions and Parts Manual

## APPLICATION

**Important:** This pump is not designed for use in septic tanks or underground vaults to handle raw sewage or gray water. It should never be used in hazardous or explosive locations. Do not use power cord or discharge hose to lift pump. Always use the handle.

### NOTICE

*Pump should be located and should rest on a level solid foundation. Pump requires 2-5/8 in. of water minimum to operate. Do not suspend pump by means of the discharge pipe or power cord. Keep pump inlet clear. Do not place pump directly on clay, earth, or sand surfaces. protect pump from extreme heat and cold. Use pipe joint sealant to ensure airtight pipe connections.*

1. Thread discharge (outlet into pump body carefully to avoid stripping or cross threading.
2. To install garden hose, install the elbow adapter provided with the pump. The elbow adapter uses an o-ring seal to provide better water removal. Rotate the elbow adapter until the o-ring seals against the pump body and the discharge is in the desired direction. Thread garden hose onto the elbow fitting.

**Note:** The garden hose must be 3/4 in. or larger to keep friction as low as possible. A 1-1/4 in. sump discharge hose adapter can be connected directly to the pump body using plumber's seal tape.

3. Run discharge pipe/hose away from the pump.

### WARNING

*Do NOT cut off the round grounding prong. Cutting cord or plug WILL void warranty and MAY make pump inoperable.*

### AVERTISSEMENT

*Ne PAS couper la broche de terre ronde sur le cordon. Couper le cordon ou les bornes de la batterie ANNULERA la garantie et PEUT rendre la pompe inutilisable.*

## OPERATION

### DANGER

*Do NOT touch pump, pump motor, water or discharge piping when the pump is connected to electrical power. Do NOT handle a pump or pump motor with wet hands or when standing on wet or damp surface, or in water. NEVER touch the pump or discharge piping when unit is operating or fails to operate. ALWAYS disconnect the pump cord (power) before handling.*

### DANGER

*NE PAS toucher la pompe, le moteur de la pompe ou la tuyauterie d'évacuation lorsque la pompe est connectée à une source d'alimentation. NE PAS manipuler la pompe ou le moteur de pompe avec les mains humides ou debout dans l'eau ou sur une surface humide. Ne JAMAIS toucher la pompe ou la tuyauterie d'évacuation lorsque l'unité fonctionne ou ne fonctionne pas correctement. TOUJOURS débrancher le cordon d'alimentation de la pompe avant toute manipulation.*

### DANGER

*Risk of electrical shock! This pump is supplied with a grounding conductor and grounding type attachment plug. Use a grounded (GFCI) receptacle to reduce the risk of fatal electrical shock.*

### DANGER

*Risque de choc électrique! Cette pompe est fournie avec un conducteur de mise à la terre et une fiche de terre. Utiliser une prise équipée d'un disjoncteur de fuite à la terre (GFCI) pour réduire le risque de choc électrique mortel.*

1. Pump should never be allowed to run dry. Do not operate the pump unless it is submerged in water. Dry running (pump not pumping water) will reduce pump life.

### WARNING

*The motor is equipped with an automatic reset thermal protector. This means if the temperature in the motor should rise unduly, the protector will cut off all power before damage can be done to the motor. When the motor has cooled sufficiently, the switch will reset automatically and restart the motor. If protector trips repeatedly (cycling of protector) pump should be removed and checked. Low head (low discharge restriction), excessively high or low voltage, inadequate wiring, excessive water temperature, inadequate water supply, excessive surrounding air temperature, bound impeller/motor, or a defective motor or pump could all be causes for the protector to cycle. Cycling of protector will cause eventual motor burnout.*

### AVERTISSEMENT

*Le moteur est équipé d'un protecteur thermique à réarmement automatique. Cela signifie que si la température dans le moteur augmente indûment, le protecteur coupera toute l'alimentation avant d'endommager le moteur. Lorsque le moteur a suffisamment refroidi, l'interrupteur se réinitialise automatiquement et redémarre le moteur. Si le protecteur se déclenche à plusieurs reprises (cycle du protecteur), la pompe doit être retirée et vérifiée. Une charge basse (restriction de faible débit), une tension excessivement élevée ou basse, un câblage inadéquat, une température d'eau excessive, une alimentation en eau insuffisante, une température ambiante excessive, un rouet ou un moteur ou une pompe défectueux pourraient tous être des causes de déclenchement du protecteur. Le déclenchement du protecteur provoquera éventuellement le grillage du moteur.*

**OPERATION (CONT'D)**

**⚠ DANGER** *A pump that has a tripped thermal protector may start suddenly!*

**⚠ DANGER** *Une pompe dotée d'un protecteur thermique activé peut démarrer soudainement!*

- The pump will pump water down to 1/4 in., therefore the pump will not remove all of the water. Shut off the pump immediately if the unit has been operating and suddenly no water comes out of the discharge hose. The water level is probably very low and the pump has broken prime. Use a mop or squeegee to remove the remaining water.

**MAINTENANCE**

**⚠ WARNING** *Make certain that the pump is unplugged before attempting to service or remove any component. This pump is assembled in the factory using special equipment; therefore only authorized service dealers or qualified electricians should attempt to repair this unit. Improper repair COULD cause an electrical shock hazard.*

**⚠ AVERTISSEMENT** *Toujours s'assurer que la pompe est débranchée avant de procéder à un entretien, une réparation ou de retirer tous composants. Cette pompe est assemblée en usine utilisant de l'équipement spécial, par conséquent seuls des concessionnaires ou des électriciens qualifiés peuvent essayer de réparer cet appareil. Une réparation inadéquate POURRAIT provoquer un risque de choc électrique.*

- No oiling is required for this pump.

**⚠ WARNING** *The pump contains oil that may be under pressure because of heat. Let the pump cool for a minimum of two hours before servicing this unit.*

**⚠ AVERTISSEMENT** *La pompe contient de l'huile qui pourrait être sous pression en raison de la chaleur. Laisser la pompe refroidir pendant au moins deux heures avant tout entretien ou réparation de cet appareil.*

**NOTICE** *Disassembly of the motor prior to expiration of warranty will void the warranty. It might also cause internal leakage and damage to the unit. If repairs are required, return the pump to the dealer from whom it was purchased or contact local electrical repair shop station.*

- Inlet should be kept clean and free of all foreign objects and debris.

**⚠ WARNING** *This pump contains dielectrical motor oil for lubrication and motor heat transfer. This oil CAN be harmful to the environment. Check the state environmental laws before disposing of this oil.*

**⚠ AVERTISSEMENT** *Cette pompe contient de l'huile à moteur diélectrique pour la lubrification et le transfert de chaleur du moteur. Cette huile PEUT être dangereuse pour l'environnement. Vérifier les lois environnementales de l'État avant de la mettre au rebut.*

**TROUBLESHOOTING CHART**

<b>Symptoms</b>	<b>Possible Cause(s)</b>	<b>Suggested Remedies</b>
Pump will not start or run	<ol style="list-style-type: none"> <li>1. Blown fuse or tripped circuit breaker</li> <li>2. Low supply voltage</li> <li>3. Defective motor</li> <li>4. Impeller obstructed</li> <li>5. Not properly primed</li> </ol>	<ol style="list-style-type: none"> <li>1. If blown, replace with proper sized fuse or reset breaker</li> <li>2. Contact an electrician</li> <li>3. Replace pump</li> <li>4. If impeller will not turn, remove base and remove debris</li> <li>5. Reposition pump in at least 2-5/8 in. of water to properly operate</li> </ol>
Pump shuts off and turns on independently of switch (trips thermal overload protection)	<ol style="list-style-type: none"> <li>1. Excessive water temperature</li> <li>2. Pump has run dry or insufficient fluid level for pump to prime</li> <li>3. Low supply voltage</li> </ol>	<ol style="list-style-type: none"> <li>1. Pump should not be used in water above 120°</li> <li>2. Reposition pump in adequate water (pump uses water for cooling)</li> <li>3. Contact an electrician</li> </ol>
Pump operates noisily or vibrates excessively	<ol style="list-style-type: none"> <li>1. Worn bearings</li> <li>2. Impeller obstructed</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace pump</li> <li>2. Remove base, and clean impeller</li> </ol>
Pump operates but delivers little or no water	<ol style="list-style-type: none"> <li>1. Low supply voltage</li> <li>2. Impeller obstructed</li> <li>3. Worn or defective pump parts or plugged impeller</li> <li>4. Pump not properly sized for application</li> <li>5. Air trapped in volute</li> </ol>	<ol style="list-style-type: none"> <li>1. Contact an electrician</li> <li>2. Clean and check for tightness</li> <li>3. Clean part if required, or replace pump</li> <li>4. Recheck all sizing calculations to determine proper pump size</li> <li>5. Start and stop unit until air is not present in discharge</li> <li>5a. Tilt pump on its side underwater and allow air to escape from inlet</li> </ol>

**LIMITED WARRANTY**

For one year for VIP models from the date of purchase, from an authorized dealer, Wayne Water Systems will repair or replace, at its option for the original purchaser, any part or parts of its Multi-Use Pumps or Water Pumps ("Product") found upon examination by Wayne Water Systems to be defective in materials or workmanship. Please call Wayne Water Systems (800-237-0987) for warranty instructions. Be prepared to provide the model number and the serial number when exercising this warranty. All transportation charges on Products or parts submitted for repair or replacement must be paid by purchaser.

This Limited Warranty does not cover Products which have been damaged as a result of accident, abuse, misuse, neglect, improper installation, improper maintenance, or failure to operate in accordance with Wayne Water Systems' written instructions.

**THIS WARRANTY IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, OBLIGATIONS OR AGREEMENTS, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, AND ANY RIGHTS OR REMEDIES AGAINST ANY PERSON OR ENTITY UNDER THE UNIFORM COMMERCIAL CODE OR OTHERWISE WITH RESPECT TO THE SALE OF THE PRODUCT. THE REMEDIES AND OBLIGATIONS STATED IN THIS WARRANTY ARE THE SOLE AND EXCLUSIVE REMEDIES OF AND OBLIGATIONS TO THE OWNER FOR ANY AND ALL MATTERS ARISING WITH RESPECT TO OR IN ANY WAY CONNECTED WITH THE PRODUCT, REGARDLESS OF THE SOURCE OR PROVIDER OF SUCH GOODS. IN NO EVENT, WHETHER AS A RESULT OF BREACH OF CONTRACT, WARRANTY TORT (INCLUDING NEGLIGENCE) OR OTHERWISE, SHALL WAYNE WATER SYSTEMS OR ANY AFFILIATE BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.**

You **MUST** retain your purchase receipt along with this form. In the event you need to exercise a warranty claim, you **MUST** send a **copy** of the purchase receipt along with the material or correspondence. Please call Wayne Water Systems (800-237-0987) for return authorization and instructions.

**DO NOT MAIL THIS FORM TO Wayne Water Systems.** Use this form only to maintain your records.

MODEL NO. \_\_\_\_\_ SERIAL NO. \_\_\_\_\_ INSTALLATION DATE \_\_\_\_\_

**ATTACH YOUR RECEIPT HERE**

## NOTES

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