Owner's Manual

Water Pump

WP-80

NOTE

Before using this equipment, ensure that the operator has read and fully understands all instructions in this manual.

EC DECLARATION OF CONFORMITY / DECLARATION CE DE CONFORMITE / DECLARACIÓN DE CONFORMIDAD CE / DECLARAÇÃO CE DE CONFORMIDADE

GB/US

Nous soussignés, **Uni-corp Europe, ZAC des Petits Carreaux 12 rue des Coquelicots 94380 Bonneuil Sur Marne**, certifions que si le produit décrit dans ce certificat est acheté chez un distributeur de la marque déposée "Paclite" au sein de l'AEE, celui-ci est conforme aux normes CEE ci-après : Norme de la machine 2006/42/CE, Norme compatible pour l'électromagnétisme 2004/108/CE (modifiée par 92/31/CEE et 93/68/CEE). Le nombre de vibrations est en accord avec la directive 2002/44/CE. Caractéristiques basse tension 2006/95/CE, BS EN ISO 12100-1/2. Sécurité des machines et des normes harmonisées associées, le cas échéant. Les émissions de bruit sont conformes à la directive 2005/88/CE Annexe VI) pour les machines en vertu de l'article 12, l'organisme notifié est **TÜV Rheinland Product Safety GmbH - Am Stein Grauen - D-51105 Köln, Allemagne.**

F

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E

La Sociedad**, Uni-corp Europe, ZAC des Petits Carreaux 12 rue des Coquelicots 94380 Bonneuil Sur Marne** por el presente documento certifica que si el producto descrito en este certificado es comprado a un distribuidor autorizado de Paclite en la EEA, este es conforme a las siguientes directivas: 2006/42/CE de la CEE, Directiva 2004/108/CEE sobre Compatibilidad Electromagnética (según enmiendas 92/31/CEE y 93/68 CEE). El numero de vibraciones esta de acuerdo con la Directiva 2002/44/CE. Directiva sobre Bajo Voltaje 2006/95/CEE, BS EN ISO 12100-1/2 de Seguridad de Maquinaria y Niveles armonizados estándares asociados donde sean aplicables. Emisión de Ruídos conforme a la Directiva 2005/88/CE Anexo VI para máquinas bajo articulo 12 la mencionada unidad está **TÜV Rheinland Product Safety GmbH - Am Grauen Stein - D-51105 Köln, Germany.**

P

O signatário, **Uni-corp Europe, 33 Avenue Pierre Brossolette, 94048 Créteil Cedex, France**, pelo presente, declara que se o produto descrito neste certificado foi adquirido a um distribuidor autorizado do Paclite em qualquer pais da EEA, está em

PRODUCT TYPE……	**TYPE DE PRODUIT….**	**TIPO DE PRODUCTO..**	**TIPO DE PRODUCTO..**
MODEL……..	**MODÈLE .....**	**MODELO……...**	**MODELO……...**
SERIAL No……..	**Nº DE SÉRIE……..**	**Nº DE SÉRIE……..**	**Nº DE SÉRIE……..**
DATE OF	**DATE DE**	**FECHA DE**	**DATA DE**

PACLITE Equipment

SAFETY ALERT & HAZARD SYMBOLS

SAFETY ALERT SYMBOLS

The following safety alert symbols will inform you about potential hazards that could injure you or others. They represent the level of exposure to the operator, and are preceded by one of three words: ***DANGER***, ***WARNING***, or ***CAUTION***.

DANGER: You **WILL** be **KILLED** or SERIOUSLY injured if you **DO NOT** follow directions.

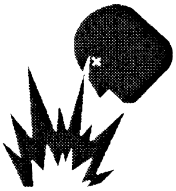
WARNING: You **CAN** be **KILLED** or SERIOUSLY injured if you **DO NOT** follow directions.

CAUTION: You **CAN** be injured if you **DO NOT** follow directions.

HAZARD SYMBOLS

Engine exhaust fumes contain poisonous carbon monoxide. This fume is colorless and odorless, and can cause death if inhaled. **NEVER** operate this equipment in a confined area or enclosed structure that does not provide ample free flow air.

Explosive Fuel



Gasoline is extremely flammable, and its vapors can cause an explosion if ignited. **DO NOT** start the engine near spilled fuel or combustible fluids. **DO NOT** fill the fuel tank while the engine is running or hot. **DO NOT** overfill tank, since spilled fuel could ignite if it comes into contact with hot engine parts or sparks from the ignition system. Store fuel in approved containers, in well ventilated areas and away from sparks and flames. **NEVER** use fuel as a cleaning agent.

Brulures

Engine components can generate extreme heat. To prevent burns, **DO NOT** touch these areas while the engine is running or immediately after operations. **NEVER** operate the engine with heat shields or heat guards removed.

Pièces rotatives

NEVER operate equipment with covers, or guards removed. Keep ***fingers***, ***hands***, ***hair*** and ***clothing*** away from all moving parts to prevent injury.

Accidental Starting

ALWAYS place the engine ON/OFF switch in the ***"OFF"*** position when the equipment is not in use.

Over Speed Conditions

NEVER tamper with the factory settings of the engine governor or settings. Personal injury and damage to the engine or equipment can result if operating in speed ranges above maximum allowable.

NOTE

*This **equipment**, other property, or the surrounding environment could be damaged if you do not follow instructions.*

Respiratory Hazard

ALWAYS wear approved respiratory protection.

Sight and Hearing Hazard

Equipment Damage Messages

Other important messages are provided throughout this manual to help prevent damage to your equipment, other property, or the surrounding environment.

SAFETY MESSAGES

CAUTION:

For your own personal safety and those around you, **YOU MUST READ** and ensure you **FULLY UNDERSTAND** the following safety information. It is the responsibility of the operator to ensure that he/she fully understands how to operate this equipment safely. In the event you are unsure about the safe and correct use of the water pump.

The following safety guidelines should always be used when operating the water pump.

CAUTION:

IMPROPER maintenance or use can be hazardous. **READ** and **FULLY UNDERSTAND** this section before you perform any maintenance, service or repairs.

- This equipment is to be used for its intended application only.
- This equipment must be operated only by well-trained personnel.
- The owner of this equipment must observe, and train the operator of the equipment to observe the effective Labor Protection Regulation in the country of application.
- Use a suitable lifting equipment to lift the equipment.
- Cordon off the work area and keep members of the public and unauthorized personnel at a safe distance, including animals.
- Keep **FINGERS**, **HANDS**, **HAIR** and **CLOTHING** away from moving parts.

- Never allow a person to act as a weight for this equipment.
- Personal Protective Equipment (PPE) must be worn by the operator whenever this equipment is being used.
- Make sure you know how to safely switch this equipment **OFF** before you switch it **ON** in case you get into difficulty.
- Always switch **OFF** the engine before servicing it.

- During use, the engine becomes very hot. Allow the engine to cool before touching it.

- Never leave the engine running and unattended.
- Never remove or tamper with any guards fitted, they are there for your protection. Always check guards for condition and security. If any are damaged or missing, **DO NOT USE THE EQUIPMENT** until the guard has been replaced or repaired.
- Do not operate the machine when you are ill, feeling tired, or when under the influence of alcohol or drugs.

WARNING:

Fuel is highly flammable. It may cause injury, death or property damage. **SHUT DOWN** the engine, extinguish all open flames and **DO NOT** smoke while filling the fuel tank. **ALWAYS** wipe up any spilled fuel.

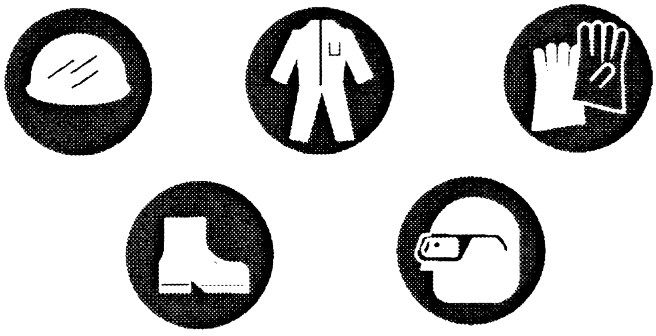
- Before refueling, switch off the engine and allow it to cool.
- When refueling, **DO NOT** smoke or allow naked flames in the area.

- When refueling, use proper funnel, and avoid spilling over the engine.

- Spilt fuel must be made safe immediately, using sand. If fuel is spilt on your clothes, change them.
- Store fuel in an approved, purpose made container away from heat and ignition source.

PPE (Personal Protective Equipment)

Suitable PPE must be worn when using this equipment i.e. Safety Goggles, Gloves, Ear Defenders, Dust Mask and Steel Toe capped footwear (with anti-slip soles for added protection). Wear clothing suitable for the work you are doing. Always protect skin from contact with concrete.



CARBURANTS

Do not ingest fuel or inhale fuel vapors and avoid contact with your skin. Wash fuel splashes immediately. If you get fuel in your eyes, irrigate with copious amounts of water and seek medical attention as soon as possible.

WARNING:

The exhaust fumes produced by the engine are **HIGHLY** toxic and **CAN KILL**!

Do not operate your water pump indoors or in a confined space, make sure the work area is adequately ventilated.

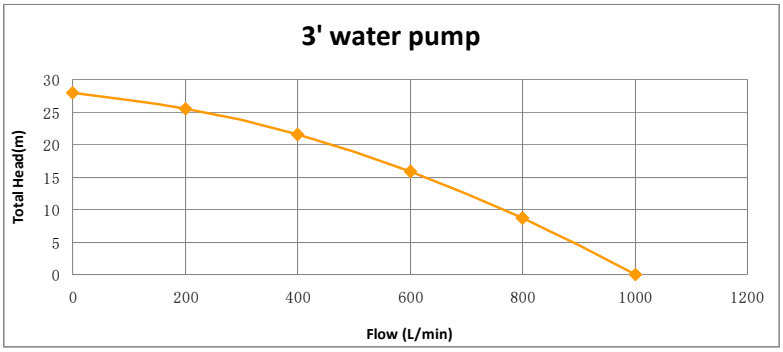
Engine

See instructions supplied by engine manufacturer. Be sure to initially put oil in engine and check level regularly. Low speeds extend engine life dramatically. We recommend for continuous pumping that the pump be operated at approximately 3000r.p.m.

SPECIFICATION & TECHNICAL DATA

Model	P-80
Inlet and Outlet Diameter	3.0″
Flow Capacity(L/Min)	1000
Suction Head(Meter)	7
Delivery(Meter)	28
Pump Set Package Dimension(mm)	530X390X465
Gross Weight of Pump Set(KG)	27.5
Engine(HP)	5.5

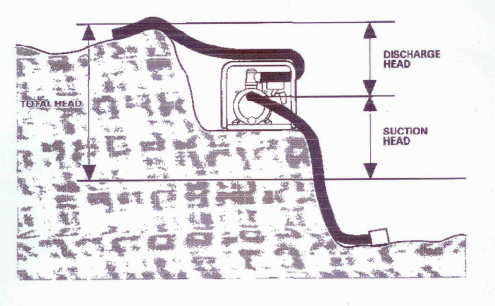
PUMP CURVE



OPERATION

PUMP PLACEMENT

For best pump performance, place the pump close the water level \and use hoses that no longer than necessary. That will enable the pump to produce the greatest output with the least self-priming time. As head (pumping height) increases, output decreases. The length, type, and size of the suction and discharge hoses can also significantly affect pump output.



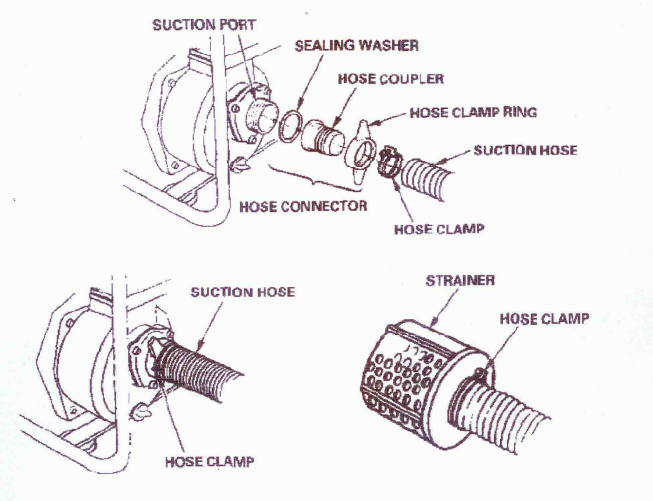
Discharge head capability is always greater than suction head capability, so it is important for suction head to be the shorter part of total head. Minimizing suction head is also very important for reducing self-priming time.

SUCTION HOSE INSTALLATION

Use the commercially available hose and hose connector with the hose clamp provided with the pump.

Use a hose clamp to securely fasten the connector to suction hose in order to prevent the air leakage and loss of the suction. Verify that the hose connector sealing washer is in good condition.

Install the strainer on the other end of the suction hose, and secure it with a clamp. The strainer will help to prevent the pump from becoming clogged or damaged by the debris.

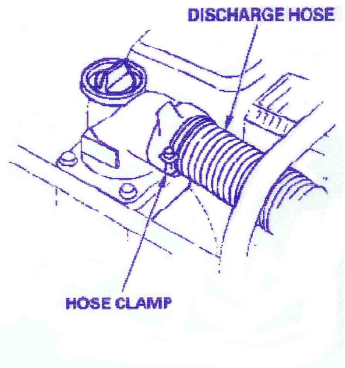


DISCHARGE HOSE INSTALLATION

Use a commercially available hose
And hose connector, and clamp.

It is best to use a short, large-diameter hose. That will reduce fluid friction and improve output.

Tighten the hose clamp securely to Prevent the discharge hose from disconnecting under high pressure.

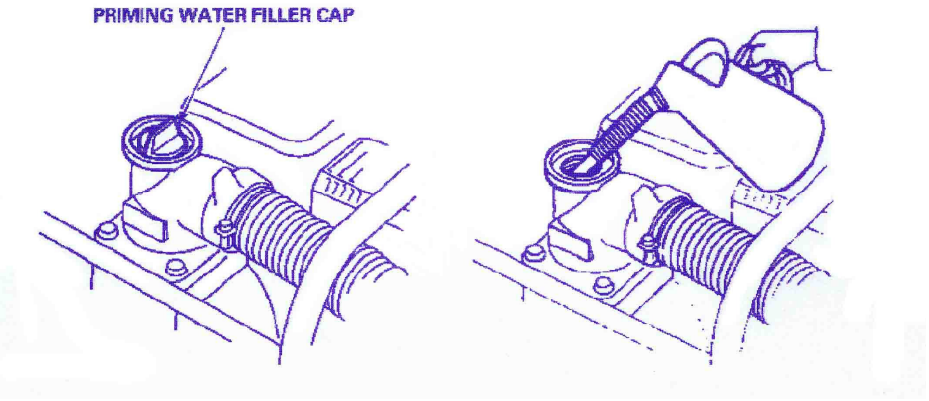


PRIMING THE PUMP

Remove priming plug and fill pump and suction pipe with water. Pump is equipped with suction flap valve and should be capable of drawing air out of normal size suction pipes or hoses. Replace plug and start the pump. If the pump pumps a little and stops, turn the pump off, check suction pipe for possible leaks and repeat priming procedure until the pump operates

satisfactorily.

Warning: Operating the pump dry will damage the pump seal. If the pump has been operated dry, stop the engine immediately, and allow the pump to cool before priming.



TYPE OF WATER

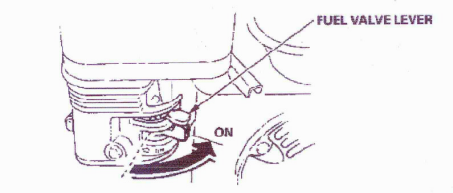
Pumps are capable of pumping septic tank effluent, sink wastes, small amounts of dirt or sand, drainage or polluted water and some industrial wastes. They are not designed to pump large quantities of foreign matter. If fluid contains large or stringy material, then an adequate suction strainer should be used.

If chemicals are to be pumped, compatibility of pump material should be checked with your local office.

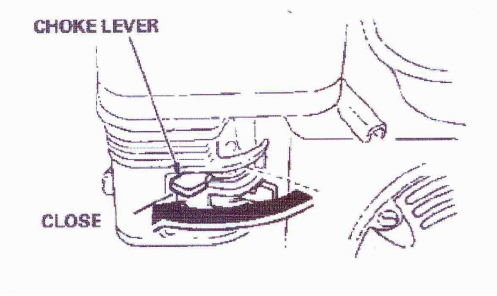
STAETING THE ENGINE

Prime the pump

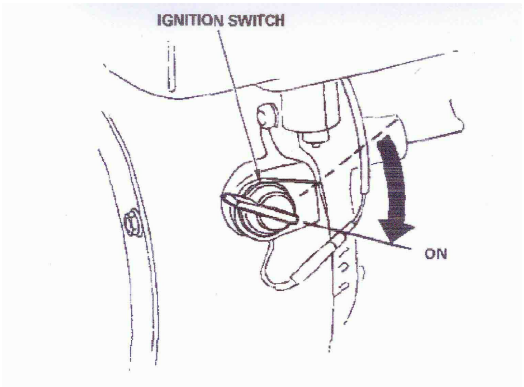
1. Move the fuel valve level to the on position



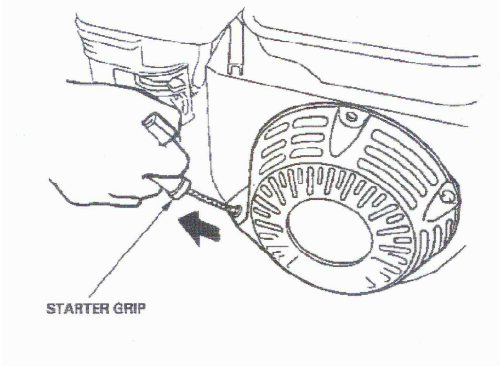
2. Move the choke to CLOSED position. No need for restart a warm engine



4. Move the throttle level away from SLOW position, about 1/3 of the way toward the FAST position
5. Turn the ignition switch to ON position



6. Pull the starter grip lightly until resistance is felt, then pull it briskly

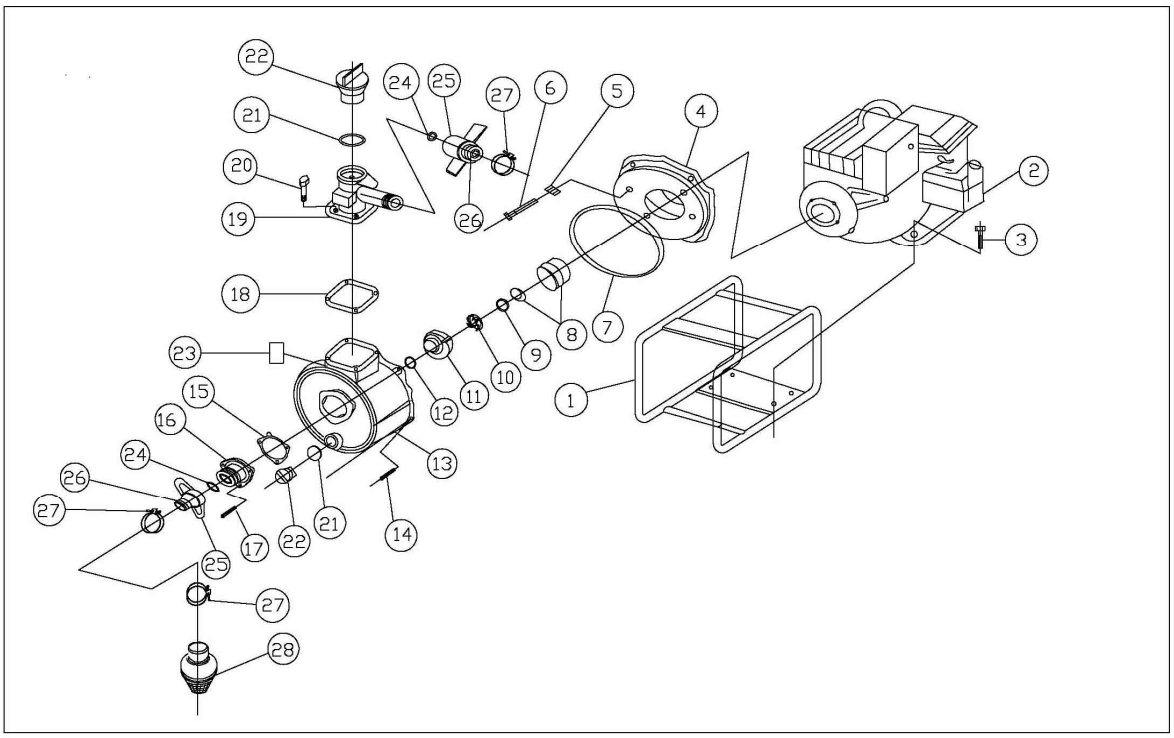


7. When engine running, moved the choke level to CLOSE position.

SETTING ENGINE SPEED

After starting the engine, move the throttle level to FAST position for self-priming, and check pump output. Decreasing the engine speed will low the pump output.

PARTS LIST



Ref. No.	Description	QTY	Ref. No.	Description	QTY
1	Base frame set	1	**15**	Check valve	1
2	Engine	1	**16**	Suction flange	1
3	Bolt	4	**17**	Bolt	3
4	Bracket	1	**18**	D/F Packing	1
5	Sealing washer	4	**19**	Delivery flange	1
6	Socket bolt	4	**20**	Bolt	4
7	O-ring	1	**21**	O-ring	2
8	Mechanical seal	1	**22**	Plug	2
9	Adjusting washer	2	**23**	Name plate	1
10	Impeller	1	**24**	Packing	2
11	Volute	1	**25**	Hose coupling	2
12	O-ring	1	**26**	Hose joint	2
13	Casing	1	**27**	Hose band	3
14	Bolt	4	**28**	Strainer	1

Certificate No. SG 94/03938

Certificate No. 31227/1

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