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# INSTALLATION INSTRUCTIONS

**MODEL  
300209DP**

**12 Volt DC/  
115 Volt AC  
UTILITY PUMP**

Please read these instructions carefully. Failure to comply to instructions and designed operation of this system, may void the warranty.

Your pump has been carefully packaged at the factory to prevent damage during shipping. However, occasional damage may occur due to rough handling. **Carefully inspect your pump** for damages that could cause failures. Report any damage to your **carrier or your point of purchase.**

**NEVER RUN  
THIS PUMP DRY**



## SAFETY INSTRUCTIONS:

This fine pump that you have just purchased is designed from the latest in material and workmanship. Before installation and operation, we recommend the following procedures:

- A** CHECK WITH YOUR LOCAL ELECTRICAL AND PLUMBING CODES TO ENSURE YOU COMPLY WITH THE REGULATIONS. THESE CODES HAVE BEEN DESIGNED WITH YOUR SAFETY IN MIND. BE SURE YOU COMPLY WITH THEM.
- B** DO NOT SUBMERGE MOTOR OR ALLOW MOTOR TO BE EXPOSED TO WATER. PERSONAL INJURY AND/OR DEATH COULD RESULT.
- C** THIS PUMP MODEL BECOMES VERY HOT DURING OPERATION.
- D** DO NOT PUMP GASOLINE OR OTHER EXPLOSIVE LIQUIDS. DO NOT OPERATE PUMP WHERE FLAMMABLE OR EXPLOSIVE FUMES OR GASES ARE PRESENT AS A FIRE OR EXPLOSION COULD RESULT.

### APPLICATION

- Designed for water transfer to empty waterbeds, aquariums, or to remove water from roof tops, puddles, etc.
- This utility pump can be powered with a car battery or solar panels.

#### CAPACITY:

5'	350	GPH US
20'	320	GPH US
40'	250	GPH US

FRICITION LOSS IN  
PIPE NOT INCLUDED.

### FEATURES

- Non corrosive material.
- 12Volt DC or 115 Volts AC.

#### NOTICE

This unit is not designed for applications involving salt water or brine. Use with salt water or brine will void warranty.

### PRIOR TO ANY USE CHECK-UP:

1. Inspect the pump for any obvious condition that necessitates cleaning, correction, adjustment or repair.
2. Clear the water source and the surroundings of any paper, leaves or other debris that might clog the input openings. Remove anything that might float into the suction area.
3. Assure that the pump is secure for proper operation.
4. Assure that there is adequate clearance from any combustible materials or structure. Stored materials must be kept away from the pump. Shelves or cabinet structures must not be in close proximity over the pump.
5. Observe that the plumbing can distribute the pumped water safely to the discharge point.

## IMPORTANT INFORMATIONS

- The automatic thermal overload protection shuts the motor off when it overheats. Normally, motor cools and restarts automatically.
- If this pump is used for pumping abrasive liquids such as lake water, keep inlet above mud and sand. Any abrasive liquids will damage the pump and void warranty.
- This pump will handle most common waterlike liquids at temperatures of 35°F to 100°F (1°C to 38°C). Thick liquids, fuels (gasoline etc) or other flammable liquids, solvents, thinners and strong acids are totally prohibited and will void warranty.

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- Use 1/2" (13mm) minimum pipe. Note that the best performance occurs when the suction line is as short as possible and close to the water source. For any lines of 40' or longer, install a 3/4" discharge (19mm) pipe size.
- The motor is drip-proof but not waterproof.
- Never add oil to motor.

## PRIMING

This unit will prime to 10 feet if you follow these instructions. Add water to suction pipe and install a foot valve for easier priming. For a suction from 10' to 20' depth, a foot valve is mandatory and the suction line must be filled before pump start. If the pump does not prime within one (1) minute, unplug from receptacle and perform next steps:

- Air leaks in suction pipe. For a garden hose, be sure the fittings are tight and rubber washers are in good condition. For other pipe types, use teflon tape on all threads.
- Verify foot valve action.
- Verify for collapsed suction hose or plugged suction line.
- Verify for liquid supply too far away or too far below pump (more than 20 feet).
- Worn out pump body. Order a new pump body.

## INSTALLATION STEPS

- STEP 1** Fill the inlet pipe with liquid after installing the foot valve.
- STEP 2** Install the suction line, then connect the discharge line.
- STEP 3** Install on a 12 volt battery, or another acceptable power source.
- STEP 4** Unplug pump when liquid supply is exhausted.  
Running the pump dry will damage the pump body.

## WARRANTY LIMITATION

The following situations void the warranty

- Running pump dry
- Handling severe abrasive solution, fuels (gas etc.) or other flammable liquids, thinner, acid or other strong chemical solutions.
- Handling liquids hotter than 100°F (38°C).
- Normal wear.
- User abuse, including immersing pump
- Commercial or industrial use.
- Alterations to electric cord or plug.
- Wholly or partly disassembled motor.

## PIÈCES DE RECHANGE

REF.	#	DESCRIPTION
1	310977	Pump body
2	310978	Pump body bolts (4)
3	310979	Motor
4	310982	Adaptors (2)
5	310980	Transformateur
6	310984	Power cable clamp



Repair parts may be ordered from your authorized point of sale or from BUR-CAM PUMPS.

## TROUBLE SHOOTING GUIDE CHECKLIST

### TROUBLE

### PROBABLE CAUSE

### ACTION

**Motor does not run.**

Thermal overcharge  
Defective motor

Cool the motor  
Replace/repair

**Pump does not deliver to full capacity.**

Low water level  
Jammed pump body  
Plugged foot valve  
Blocked suction/inlet  
Blocked line/pipe  
Worn pump body  
Defective motor

Add water and verify  
Clean  
Clean/replace  
Check for debris in pit and clean  
Check for debris or ice  
Replace  
Replace

### TO THE END CONSUMER

*If you have any problems with the product, before advising the store, where you've purchased the pump, please contact us at 514 337-4415, and ask for our sales department, and they will be pleased to help you with any questions you might have, concerning your installation.*

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