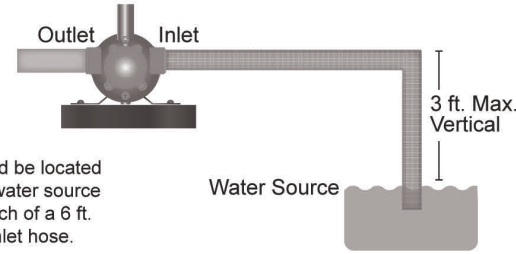
# Transfer utility pump

**Model: FX301**




| Part | Description | Quantity |
|---|---|---|
| 1 | Pump | 1 |
| 2 | Inlet Hose | 1 |
| 3 | Puddle Vac | 1 |
| 4 | Impeller/Gasket | 1 |

## 1 PUMP LOCATION:




Pump should be located so that the water source is within reach of a 6 ft. reinforced inlet hose.

## 2 ATTACHING HOSES:

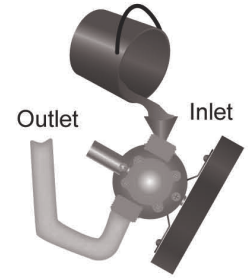
Install inlet hose on the inlet side of pump.
Attach 5/8 in. outlet hose on the outlet side of pump.

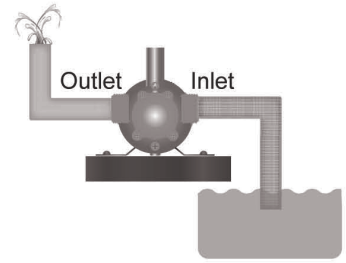
NOTE: Outlet hose should be as short as possible and no longer than 25 ft.



## 3 PRIMING INSTRUCTIONS:

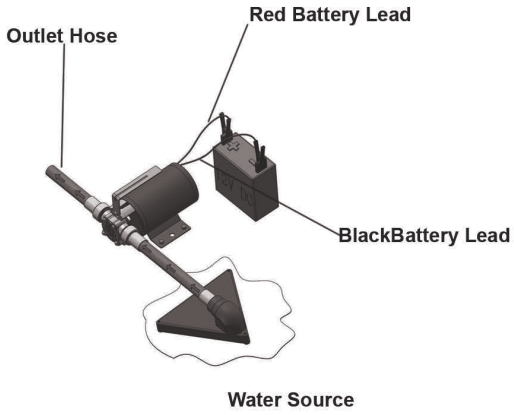
**IMPORTANT**: Pump MUST be primed before it is turned on.




To prime pump, fill the pump cavity through inlet to wet impeller. Connect 6 ft. reinforced inlet hose and submerge below surface of water. Turn on pump.

## 4




Attach red battery lead to positive terminal and black battery lead to negative terminal of a fully charged battery.

## 5 OPERATING INSTRUCTIONS:

**IMPORTANT**: For best results, DO NOT COIL OR KINK THE HOSES.



CAUTION: Before water is completely gone, unplug the pump. DO NOT RUN PUMP DRY!

## 6 MAINTENANCE AND REPAIR

### HOW TO REPLACE BRUSHES

NOTE: Motor brushes (not included) are normal wear items and must be replaced periodically.

- Be sure pump is disconnected from power source.
- Unscrew brush cap located along the side of the motor. Remove brush and spring and spring cover by pulling them straight out of the brush holder.
- Install new brush and spring assembly (not included), keeping the new brush curvature aligned the same as the previous brush.
- Replace cap.

### HOW TO REPLACE IMPELLER

NOTE: Replace the impeller when it has been worn or damaged by foreign objects, improper liquid or running dry.

- Remove four face plate screws, face plate and gasket.
- Remove damaged or worn impeller.
- Clean the inside of the pump cavity and remove any foreign materials that might prevent the impeller from moving easily.
- Apply petroleum jelly to the inside of the pump cavity and the outside of the new impeller (not included).
- Align the flat on the new impeller with the flat on the motor shaft. Push into place while twisting blades in a clockwise direction.
- Place new gasket on pump cavity face, align holes and replace cover. Tighten all four screws evenly and snugly.

