



## SIPHON PUMP

# 109PC, 109A

Material: Pump is PVC;  
Valves are Buna or Urethane rubber

### SAFETY INSTRUCTIONS READ ALL & SAVE

If, after reading the instructions thoroughly, you still have questions regarding the use of this pump, please call Beckson for assistance.

- **READ WARNING LABEL ON PUMP**
- **READ & SAVE THESE INSTRUCTIONS.**
- **BEFORE USING PUMP, CONTACT** chemical maker to **ENSURE** chemical compatibility with the pump, the fluid for cleaning, and other containers and equipment.
- **INSPECT PUMP** for wear or other damage.
- **Keep stored chemicals away from any heat source, including direct sun, sparks, flames.**



- **AT ALL TIMES WEAR** face shield, protective clothing, and eye protection.
- **USE ONLY** in WELL VENTILATED area with **NO IGNITION SOURCE.**
- **NO SMOKING. ALL ENGINES OFF AND COOL.**
- **USE** a separate pump for each type of liquid.
- **DO NOT PUMP UP** to a container higher than the pump.
- Have a **CLASS B** fire extinguisher ready.
- **HAVE AN EMERGENCY PLAN IN PLACE.**



- **AT ALL TIMES WEAR** face shield, protective clothing, and eye protection.
- **Observe all safety precautions.**
- **PAY ATTENTION AT ALL TIMES. NEVER LEAVE A PUMP IN USE UNATTENDED!**
- **Keep hoses directed away from pump operator.**



- **CONTINUE TO WEAR** protective gear
- **KEEP HOSE TURNED AWAY** from operator.
- **PAY ATTENTION AT ALL TIMES. NEVER LEAVE A PUMP IN USE UNATTENDED!**
- **DRAIN PUMP COMPLETELY.**
- If spill occurs, carefully remove containers and equipment from area before cleaning spill.
- **NEVER USE THE PUMP AS A HANDLE** to move or tip containers.



- **CONTINUE TO WEAR** protective gear.
- **DRAIN PUMP AND HOSES COMPLETELY.**
- **STORE PUMP SECURELY** with **NO ACCESS TO CHILDREN** or anyone not trained to use it.
- **DO NOT LEAVE PUMP IN CONTAINER WHEN NOT IN USE.**
- **DESTROY PUMP BEFORE DISCARDING** to prevent unauthorized use.

- These instructions must be kept by the original purchaser and made available to operators of the pump before use and also provided to any future owners/operators of this pump.
- Obtain (MSDS) Material Safety Data Sheet to inform operator of substance flammability.
- This pump is for commercial / industrial chemical **FUEL TRANSFER** use only in an OSHA approved environment by a **TRAINED** operator. **KEEP AWAY FROM CHILDREN UNDER 18 AND UNTRAINED individuals AT ALL TIMES.**
- Prevent chemical reactions. Use this pump only with compatible chemicals and materials.
- Misuse of this pump may result in personal injury, fire, explosion, electric shock, property damage and/or other consequences. Do not pump fluids over 120°; damage to the pump may occur.
- Please contact the place of purchase if you think the pump is not working correctly. Do not continue to use it.

#### **PARTIAL LIST ONLY**

This pump is **NOT** compatible with Acetone, Amyl Acetate, Aniline, Benzaldehyde, Benzoyl Chloride, Bromine, Butyl Acetate, Butyraldehyde, Carbon Tetrachloride, Chromic Acid, Ethyl Acetate, Lacquers, Ethyl Chloride, Lacquer Solvents, Napthalene, Toluene, Trichloroethylene, Solvents, Xylene, Aromatic Hydrocarbons, and others less commonly used.

### **BEFORE USE EVERY TIME**

#### **PRECAUTIONS & PREPARATION:**

1. **Know what was in the pump previously. Use a separate pump for different liquids.**
2. **Before use, empty pump of all liquids, including water.** Carefully flush with a liquid that is compatible with *the liquid to be flushed, the pump material and the liquid to be pumped.*
3. **Check pump hose and seals for any damage, leaks, cracks, swelling, or worn areas.**
4. **Discard and replace pump** if there are signs of damage. Pumps are not repairable.
5. **ALWAYS check** with chemical suppliers of the fluid to make sure this pump is compatible with the chemicals you will be using.
6. **Ensure any metal dispensing and receiving containers are grounded away from the source** to limit static electricity and prevent explosion.
7. **Make sure you have the correct adapters** to hold the pump securely to the container.

### **ADDITIONAL SAFETY INFORMATION**

#### **THINGS TO KNOW BEFORE PUMPING OR TRANSFERRING LIQUIDS THAT COULD BE FLAMMABLE**

- **Hazards which can cause fires:** combinations of flammable liquids, fumes or spills with static electricity, heat (engines and exhaust), smoking, flames and sparks.
- **Fumes are often the cause of fires:** all liquid fuels have a degree of flammability, evaporation and ignition points. Know about the liquid to be transferred or pumped.
- **Dangerous environments are hot or dry or both.** Heat increases evaporation. Dryness causes increased incidence of static electrical sparks.

### **PREPARATION**

#### **BEFORE PUMPING**

1. **Included with the siphon pump is hose for siphoning fuel and other liquids.** For most uses, the hose should be cut into an intake and a discharge length to suit your requirements. Place the intake on the bottom of the pump and the discharge hose on the side fitting. Check measurements twice before cutting.
2. Place discharge hose into an approved, grounded or plastic container to contain any potential spill. If a spill occurs, carefully move containers and push away any equipment before clearing the spill. **Never start an engine where there is a spill.**
3. Excess liquid may remain in the pump barrel and hoses; keep hoses directed away from operator.

### **OPERATION**

#### **USING THE PUMP**

1. **PUMP TO A CONTAINER THAT IS LOWER THAN THE PUMP. DO NOT** pump up.
2. **TO SIPHON:** Begin pumping to start flow. Once flow begins, extend handle fully to allow siphoning. Leave handle in fully extended position. **To stop siphon,** push handle down completely **AND** remove hose from source.
3. **TO PUMP:** pull the handle up straight and slowly until the shaft is fully extended and pump until the liquid starts flowing. Then pump normally straight up and down. **Do not bend shaft or shaft assembly while pumping.**
4. If spill occurs, carefully move containers and equipment away from area before cleaning spill.

### **FINISHING AND REMOVAL**

#### **FINISHING UP**

1. When transfer is finished, after pushing handle down completely, hold the pump sideways, and allow time for the pump and both hoses to drain.
2. Before removing the pump, *be sure that the hoses are directed away from the operator.*

### **STORAGE**

#### **PUMP STORAGE**

1. **Before storing, drain the pump and hoses completely.**
2. Store pump safely, with access limited **ONLY** to trained operators.
3. Do not hang pump by the handle. Do not hang pails or other objects from the pump.
4. Do not leave pump in container when not in use.
5. For future use, it is helpful to label which fluid the pump was used for.