

**Manufactured by ProFlo Inc.**  
**Littleton, CO 801127**  
**303-972-9144 [www.profloinc.com](http://www.profloinc.com)**

**Read and comply with all  
instructions or warrantee is void.**

## **ProStrainer™ Installation Information:**

### **IMPORTANT NOTES:**

**On Bolt-Up and Direct Connect Series Use only Stainless Steel bolts and torque patterns recommended for PVC flange connections as per manufacturer. DO NOT OVER TIGHEN FLANGES. If leaking appears at startup carefully snug the flanges until leak subsides.**

**Be sure to use a very heavy wrapping of Teflon tape (10 to 12 wraps per bolt) to prevent leaking of the bolts.**

**ProStrainer™ compact models have a total of 3” of face piping on the influent and effluent. If the isolation valves are to be attached directly to the ProStrainer only use a gate style isolation valves if this type strainer was specified. Butterfly valves need to be positioned far enough away from the face piping so the butterfly portion of the valve can achieve a full open position and there is no interference with the handle when opening the lid and the valves are in the closed position.**

- 1. Make sure the flow direction is correct. Fluid should enter the influent end of the strainer. This is the end in which the internal baskets have no screening material.**
2. Always install ProStrainer on the suction side of pump.
3. Place ProStrainer in its installation position and examine the spacing.
4. Do not install ProStrainer more than 30 feet below operating water level.
5. Do not install any piping or other obstructions directly above the ProStrainer the ability to clean the baskets may be impaired.
6. Install the unit level be sure to check for level by using a torpedo level and resting on the lid in both directions.
7. Remove lid and baskets and check to see brass drain plug is properly tightened to prevent leaking.
8. Install an external drain system by connecting to outside of drain plug.
9. Check gaskets for proper fit or damage.
10. After ProStrainer is installed remove protective cover film from lid assembly.
11. Be sure to support all piping and pumps as necessary for their proper support. The integral mounting support bracket on the bottom of the ProStrainer is designed for floor mounting or to attach unistrut leg supports if installed at a higher elevation. This bracket is designed to carry the weight of the ProStrainer full of water. All connecting pipes and pumps must have their own support system.

## **ProStrainer™ Startup Information:**

### **NOTES:**

It may be necessary to make adjustment to the lid handles after the break in period has occurred or if the gasket is disturbed during cleaning.

**ONLY AFTER PROPER INSTALLATION IS COMPLETED SHOULD YOU PROCEED WITH LEAK TEST OPERATION.**

**PROSTRAINER SHOULD BE INSTALL ON THE SUCTION SIDE OF PUMP ONLY.**

**ALWAYS CHECK VALVES POSITION BEFORE STARTING PUMP**

**NEVER START PUMP UNTIL ALL SYSTEM VALVES ARE IN FULL OPEN POSITION**

**NEVER OPEN OR CLOSE VALVES QUICKLY WHILE PUMP IS RUNNING OR SERIOUS DAMAGE**

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**MAY OCCUR WHICH WILL VOID WARANTEE**

1. Pool, water feature, fountain or other fluid body must be filled to proper operating level.
2. Pump must have power and be previously tested for proper rotation.
3. Open pump discharge valve full open.
4. Open all other valves down stream to full open position.
5. Open all influent line valves EXCEPT on closest to Strainer.
6. Slowly open influent valve and watch fluid fill strainer.
7. When strainer is full check for leaks.
8. If leaking occurs take corrective action.
9. When ProStrainer is full and not leaking you may proceed.
10. Start pump and allow the system to stabilize for a few minutes.
11. Slowly, adjust any and all discharge valves to desired flow rate.
12. Continue to inspect ProStrainer cover for leaks. If small leaks occur it may be necessary to adjust lid draw latches. Start the adjusting process at the draw latches closest to the most amount of leakage and work toward the area where the leaking is less. Only adjust one handle at a time until cover is sealed tightly.
13. To increase pressure loosens lock nut on draw latch clamping arm. Turn clamping arm clockwise to increase pressure on lid and counter clockwise to decrease pressure on lid. Retighten lock nut when adjustment is satisfactory.
14. Periodically examine the baskets to see how full they are when pump vacuum increases by a predetermined amount (generally 3 inches of Mercury) clean baskets.
15. Always clean baskets prior to long periods of anticipated unattended maintenance.

## **ProStrainer™ Operating Information:**

**ONLY AFTER PROPER INSTALLATION IS COMPLETED SHOULD YOU PROCEED WITH LEAK TEST OPERATION.**

**PROSTRAINER SHOULD BE INSTALL ON THE SUCTION SIDE OF PUMP ONLY.**

**ALWAYS CHECK VALVE POSITION (OPEN OR CLOSED) BEFORE STARTING PUMP.**

**NEVER START PUMP UNTIL ALL SYSTEM CURCUIT VALVES ARE IN FULL OPEN POSITION**

**NEVER OPEN OR CLOSE VALVES QUICKLY WHILE PUMP IS RUNNING.**

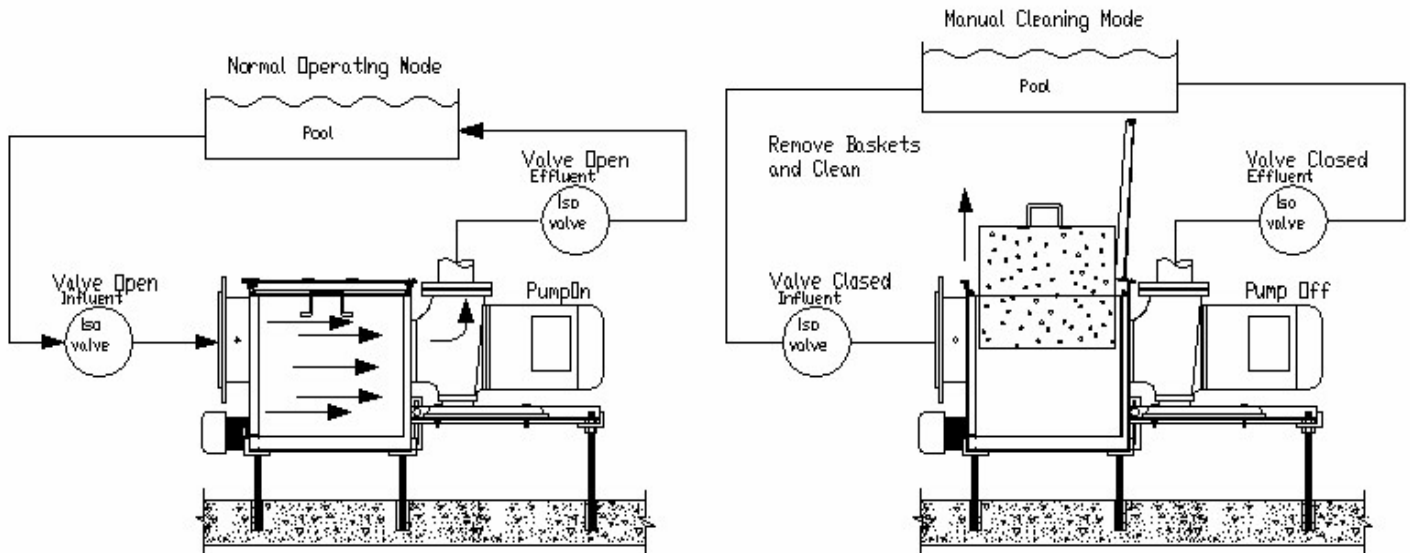
**\*\*\* ANY OF THESE FIELD CONDITIONS CAN CAUSE SERIOUS DAMAGE AND THEY OCCUR. THEY WILL VOID WARANTEE**

1. Pool, water feature, fountain or other fluid body must be filled to proper operating level at all times.
2. Do not operate ProStrainer without baskets properly installed of pump damage may occur.
3. Periodically examine the baskets to see how full they are when pump vacuum increases by a predetermined amount (generally 3 inches of Mercury) clean baskets.
4. Pull baskets straight up by handle and carefully empty unwanted debris.
5. **DO NOT BANG BASKETS AGAINST ANY SURFACE TO DISLODGE UNWANTED MATTER WHICH MAY BE STUCK TO THE MESH**
6. **Make sure top surface of gaskets are clean or sealing problems may occur.**
7. Always clean baskets prior to long periods of anticipated unattended maintenance.
8. Do not over tighten draw latches as this condition will create “Snap back” and can cause injury to operators’ hands or fingers.

### **NOTES:**

It may be necessary to make adjustment to the lid draw latches after the break in period has occurred or if the gasket is disturbed during cleaning.

## ProStrainer™ Manual Cleaning Description



### Manual Cleaning:

1. Water flows into influent port and goes across baskets where debris is trapped and removed.
2. Water enters pump volute and is sent to filter, back to source or desired discharge point such as irrigation or storage tank.
3. When baskets are full pump vacuum increases on the effluent vacuum gauge to limit that determines ProStrainer needs to be cleaned.
4. Pump is turned off.
5. The isolation valves on each side of the ProStrainer are closed, the lid is opened and the baskets are removed and wash clean with a hose.
6. Baskets are replaced after cleaning, lid is secured, and isolation valves are opened to former operating position.
7. Pump is turned back on.

**For questions contact the factory at 303-972-9144**

**Manufactured by:  
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Littleton, CO 80127  
303-972-9144**

**I have received this shipment in  
good and working condition and  
will advise installer as to all  
enclosed information for proper  
installation, operation and  
service.**

**Contractor or Installer**

**by** \_\_\_\_\_

**date:** \_\_\_\_\_