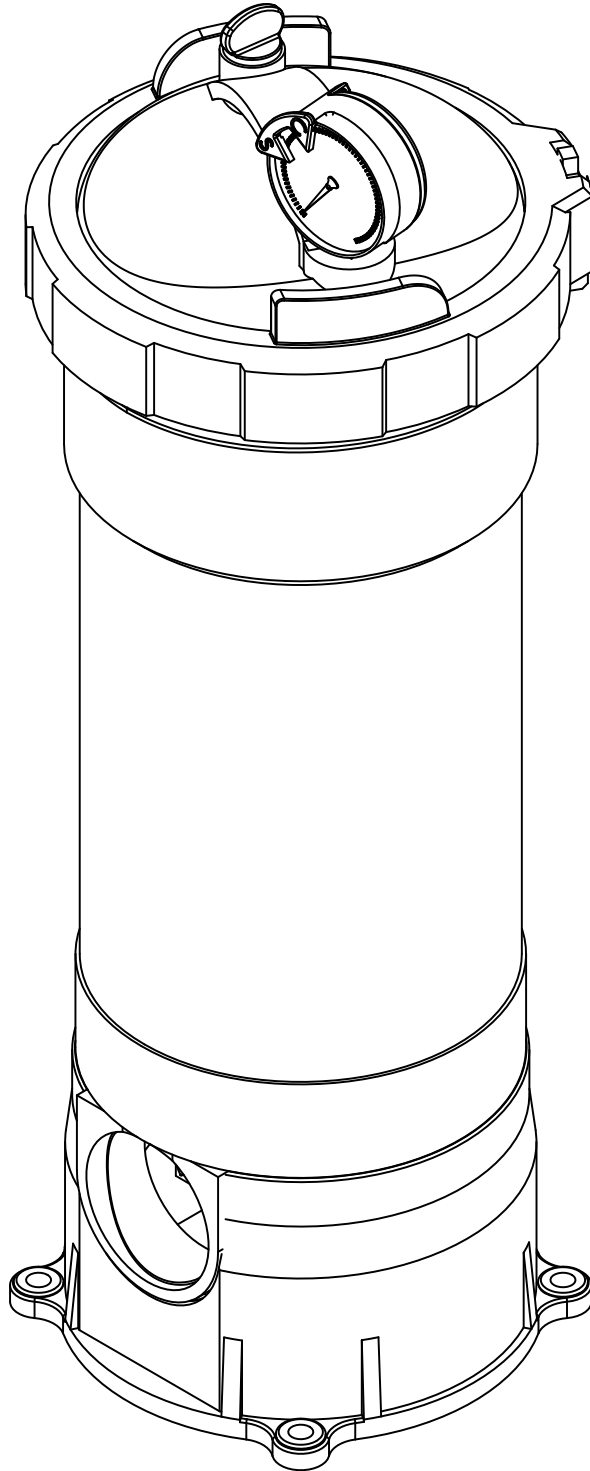




WATER FEATURE FILTER

INSTALLATION INSTRUCTIONS & PRODUCT MANUAL

CMP 25504-600-000



A. LOCATION OF FILTER AND PUMP SELECTION

1. If filter is installed above the waterline, use self-priming pump.
2. Position Filter as close to pool as local codes allow.
3. Ensure filter is set on level concrete slab.
4. Make sure pressure gauge and label are oriented for convenient access and viewing
5. Ensure that proper clearance is allowed on sides and top of filter.
 - a. Minimum of 14" vertical overhead clearance to allow removal of filter cartridge for cleaning
 - b. Minimum of 6" around perimeter of filter body recommended for servicing of filter element.

B. PLUMBING

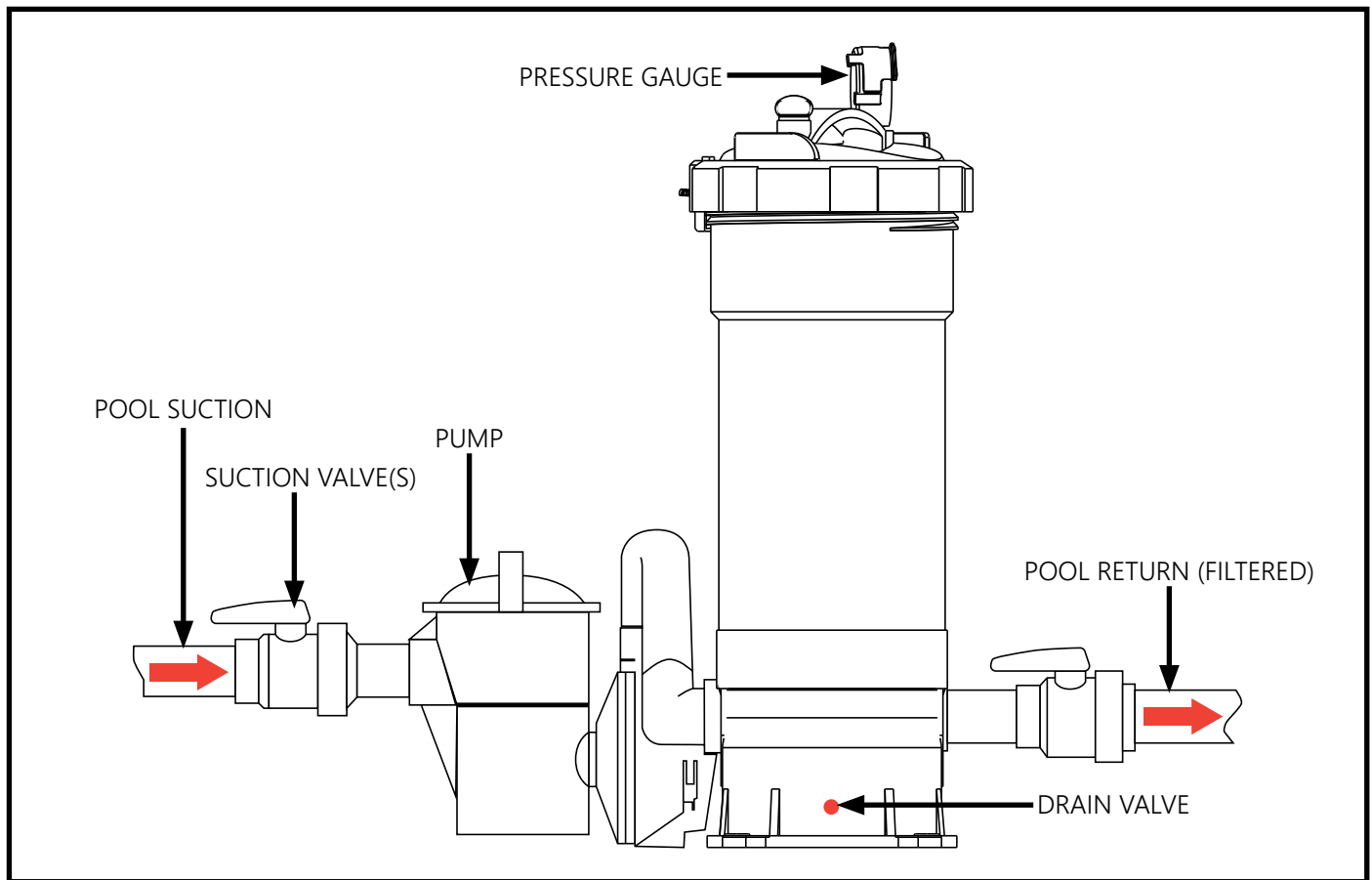


FIGURE 1: INSTALLATION DIAGRAM

1. Ball Valve recommended before pump and after filter
2. Inlet and outlet connection are 2" Schedule 40 Socket

3. **NOTICE** Filter body is made out of ABS material. If mating pipe is PVC, use ABS to PVC Glue.

C. ADDITIONAL INSTALLATION

1. Pressure gauge
 - a. Hole in cover is already pre-tapped. Apply PTFE (Teflon®) tape to pressure gauge threads and screw gauge into threads on cover.
2. CMP recommends 1 gallon per minute (gpm) per square foot of filter for proper filtration.
 - a. 50 sq ft filter = 50 gpm
 - b. Pair filter with appropriately sized pump for optimal filter performance.
 - c. **NOTICE** Too much flow rate through cartridge filter may decrease desired performance of filter system. Exceeding recommended flow rate may damage the filter element and/or water features in line with filter.
3. Apply O-ring lube to O-ring on cover.
4. Tighten down cover until locking tab is secure.
5. Do not over-tighten.
6. Check for leaks in system before operating.
7. **WARNING** Maximum recommended pressure is 50 psi.


D. STARTUP PROCEDURES

1. **WARNING** Make sure both suction and discharge valves are in the open position.
2. Open manual air relief valve (3 turns counter clockwise)
 - a. Air will vent out of the discharge outlet to the pool and through the manual relief valve.
 - b. Once all air is out of the system, close manual relief air valve. Pressure gauge should read "0" psi.
3. Record starting pressure of the system. This may help provide an indicator of when the filter needs to be cleaned.

E. WHEN YOU CLEAN YOUR FILTER

1. Monitor pressure difference from when the filter was originally installed.
 - a. If pressure rises 10 psi or greater, check filter element and clean or replace if necessary.
 - b. If flow drops below desired rate, check filter element and clean or replace if necessary.
 - c. **WARNING** Do not allow pressure to exceed 50 psi
2. MY ORIGINAL STARTING PRESSURE IS _____ PSI. I SHOULD CLEAN MY FILTER AT _____ PSI
3. Flow rate and pressure may not always indicate when filter needs to be cleaned.
4. Check your filter if you notice any other performance variation besides psi change.


F. MAINTENANCE AND CLEANING

1. Shut off pump. Ensure pump is locked out and cannot be operated.
2. Ensure ball valves are closed.
3. Open air relief valve (3 turns counter clockwise) and allow pressure to vent.
 - a.  **WARNING** Exercise caution when opening filter cover. Contents may be under pressure. Verify that pressure reads "0" psi before proceeding.
4. Drain filter body by removing drain plug at the base of the filter.
5. Unscrew locking ring counter clockwise that holds cover in place.
6. Remove cover and filter element.
7. Remove any debris that has collected from the bottom of the filter body.
8. Clean or replace filter element in filter body.
9. Re-install cartridge filter element in filter body.
10. Repeat "Startup Procedures."

G. CARTRIDGE FILTER ELEMENT CLEANING

1. Filter element can be cleaned by rinsing the inside and out with a garden hose.
 - a. Do not use a pressure washer as excessive pressure may cause damage to the filter element.
2. Allow filter to dry and brush pleated surfaces to remove small particles using Cartridge Filter Cleaning Tool (25300-009-000 sold separately).
3. For a more thorough cleaning (to remove algae, oils, and minerals), soak cartridge in a filter element cleaner. You can purchase a variety of different brands at your local pool dealer.
 - a. Rinse thoroughly before re-installing the filter in the filter body.

H. ADDITIONAL NOTES

1. This CMP Water Feature Filter is not designed to be the main source of filtration.
2. The pressure gauge is the primary indicator as to how the filter is functioning. Maintain the pressure gauge in good working order and replace if necessary.
3.  **NOTICE** Consult with your local recreational water professional on recirculation requirements.