

DESCRIPTION AND FUNCTION OF SWIMMING POOL COMPONENTS

PUMP AND MOTOR

With the aid of the motor, the pump pulls water from the pool through the skimmer and main drain pipes and then forces it through the filter and back into the swimming pool. Although many pool publications call for 1 complete turnover of water in a 24 hour period, in Northern California you should run your filter approximately 3/4 hr for every 10 degrees of daytime temperature. EX: 80 degree temperature x .75 = 6hrs of filtration.

FILTER

Removes the dust, sand, grass and leaves, etc. by passing the water through a filtering material such as fabric, sand or diatomaceous earth. This material allows the water to pass freely through the minute openings, while retaining the debris in the filter.

PRESSURE GAUGE

Located on top of the filter and used as a guideline to measure the pressure in the filter. In many cases the filter needs cleaning or backwashing when the pressure on the gauge rises 8-10 PSI from the clean pressure reading.

MAIN DRAIN

This draws water from the deepest portion of the pool, ensuring more complete circulation. The main drain has large grates protecting the actual pipe openings to keep large objects from getting into the pump and strainer. The main drain valve should be closed when your suction cleaner is in the pool.

SKIMMER

This draws water from the surface and removes floating debris by creating a skimmer action resulting from the suction provided by the filter pump. Your Premier pool is equipped with a separate main drain and skimmer valve that lets you control the amount of flow through the skimmer at the equipment by adjusting the 3-way valve. This is standard on all Premier Pools.

AUTOMATIC POOL CLEANER - (APC or "POOL SWEEP")

A pool maintenance system that will agitate or vacuum debris from the pool interior automatically. Premier Pools come equipped with a Jandy Ray-Vac Pool Sweep that works from the "pressure side," meaning that water flow returning from the circulation pump back to the pool through the sweep line creates pressure that moves the sweep throughout the pool.

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RETURN OPENINGS

Water Returns (located in the pool walls) distribute clean filtered water throughout the pool. The adjustable fittings are ideally directed upward in a clockwise direction to keep the surface water moving towards the skimmer. They should break the surface of the water approximately 6-8' feet from the orifice.

BALL VALVE / 3-WAY VALVE / 2-WAY VALVE

These control the amount or direction of water going through a plumbing line. Ball valves turn left to increase flow and turn right to decrease. 2-way and 3-way valves have arrows on them that indicate the direction of the water flow.

IN-FLOOR CLEANING SYSTEM (Optional)

The pop-up style agitation cleaning systems stream high pressure water through a small opening in multiple cleaning heads positioned throughout the pool in order to keep debris in suspension for eventual filtration through the main drain or skimmer. Additionally, in-floor cleaning systems, when installed correctly, efficiently clean benches, steps and spas. They also circulate water from the bottom up for better overall chemical distribution and temperature consistency.

IN-LINE CHLORINATOR (Optional)

This is standard on many Premier Pools and provides an easy and safe way to add chlorine tablets to your pool *without* the use of a chlorine floater.