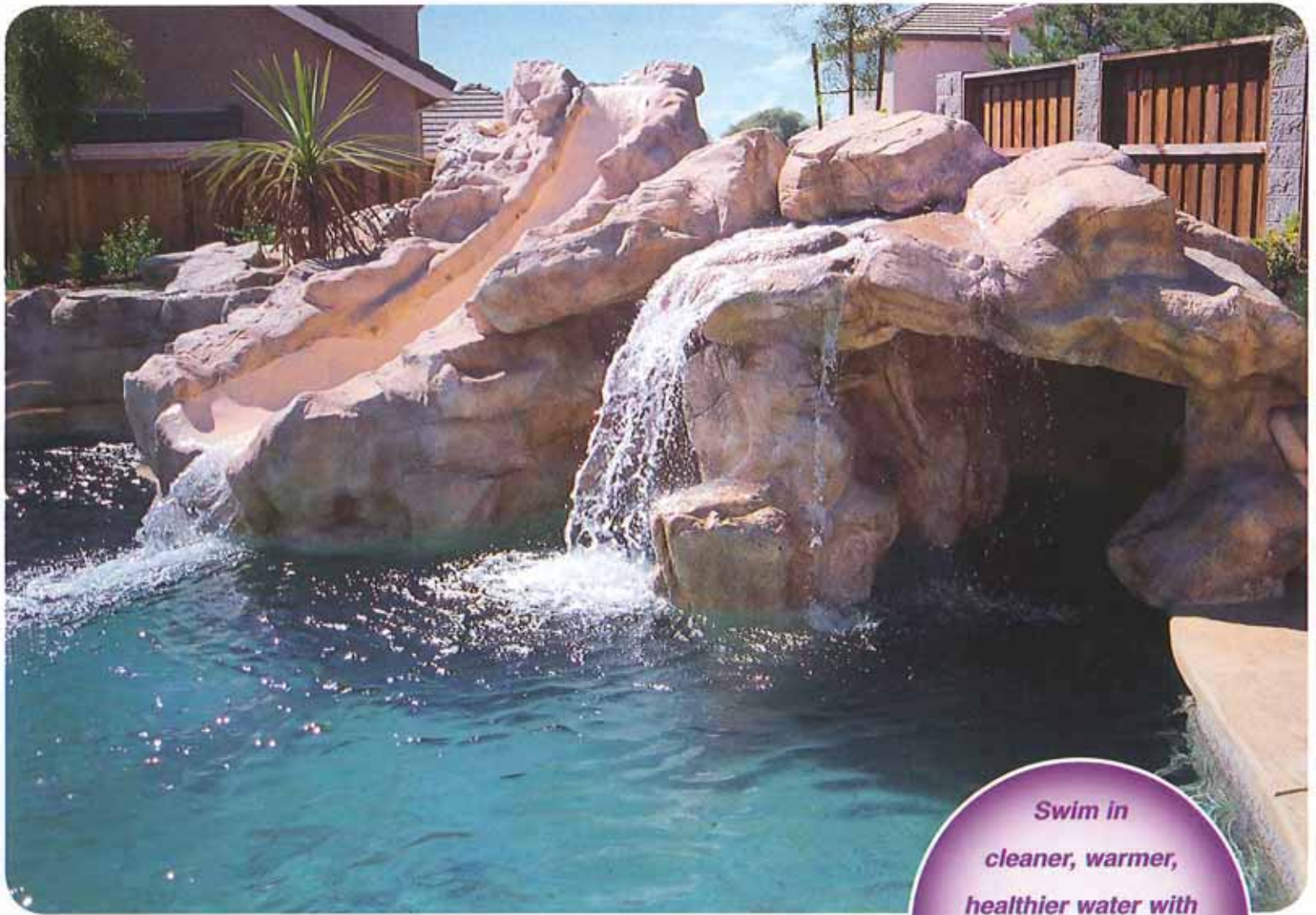


SmartFlow JetSystem™

Maximizing cleaning & circulation



Swim in
cleaner, warmer,
healthier water with
fewer chemicals and
lower energy
costs!

BLUE since 1954
HAVEN
POOLS & SPAS
World's Largest!


SmartFlow
EXCLUSIVELY BLUE HAVEN™

A total revolution in pool efficiency

The SmartFlow™ JetSystem takes cleaning and circulation to unsurpassed levels to give you warmer, purer, cleaner water with *less expense, less chlorine, and less energy use*. By optimizing pool-equipment performance, it delivers results like no other product available!

Breakthrough technology

Nothing short of revolutionary, Blue Haven's SmartFlow JetSystem **gives pools a fantastic advantage for both cleaning and circulation.**

This exclusive system boosts pool equipment's maximum kinetic energy using a series of advanced nozzle heads that are located throughout the interior walls of both the pool *and spa*.

They concentrate "return" water into arrays of high-velocity directional jets. Each jet targets a specific surface area for cleaning, **helping any automatic, roving-type pool cleaner* achieve superb results in less time.**

In addition, the force of the jets' currents helps **prevent algae growth** from taking hold on interior surfaces.

SmartFlow also has plenty to offer pools with even the most powerful pumps: Serving as return lines, jet arrays **deliver freshly heated, filtered, and sanitized water to your pool for total top-to-bottom circulation.**

Performance that pays

With such outstanding cleaning action & circulation of heated, purified, and filtered water, **your pool will be healthier, more attractive, enjoyable, and affordable to own.**

You will reap the rewards of SmartFlow's **spectacular efficiency with major savings in operational costs, including:**

- ~ **Reducing the number of hours your pool pump must run;**
- ~ **Lowering the overall chemical load needed to maintain healthy water;**
- ~ **Cutting the heater time needed to increase and maintain water temperature; and**
- ~ **Preventing pockets of cold, sluggish water known as *dead zones*.**

See back page to learn about dead zones.

A unique Blue Haven Value: SmartFlow™ has carved out an entirely distinct product category in the pool industry—delivering benefits that will *save you money!*

EXAMPLE OF A TYPICAL POOL[▲] WITH SMARTFLOW™

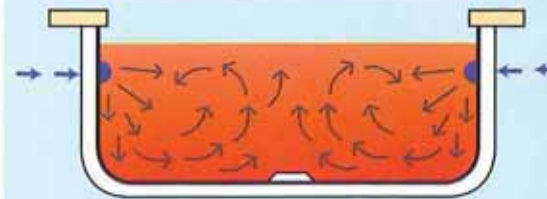
Based on your pool's size, shape, depth, design, inclusion of spa, and other local factors, the number of jet arrays in the system and their configuration will vary.

BETTER CLEANING

Targeted, high-velocity jet currents dislodge dirt, sand, leaves, and debris from benches, tanning ledges, pool & spa walls, and other spots that typically challenge pool cleaners—even those expensive in-floor systems.

Once the material is loose and put into suspension, it is now easier for the intake action of the skimmer and the active main drain(s) to remove it from your pool water.

The velocity of the return water being jetted into the pool creates a drafting effect: The fast-moving jet of water "carries" additional water along its path, and it also displaces additional water as it travels—resulting in a greater movement of water volume and maximum heat and chemical dispersion.



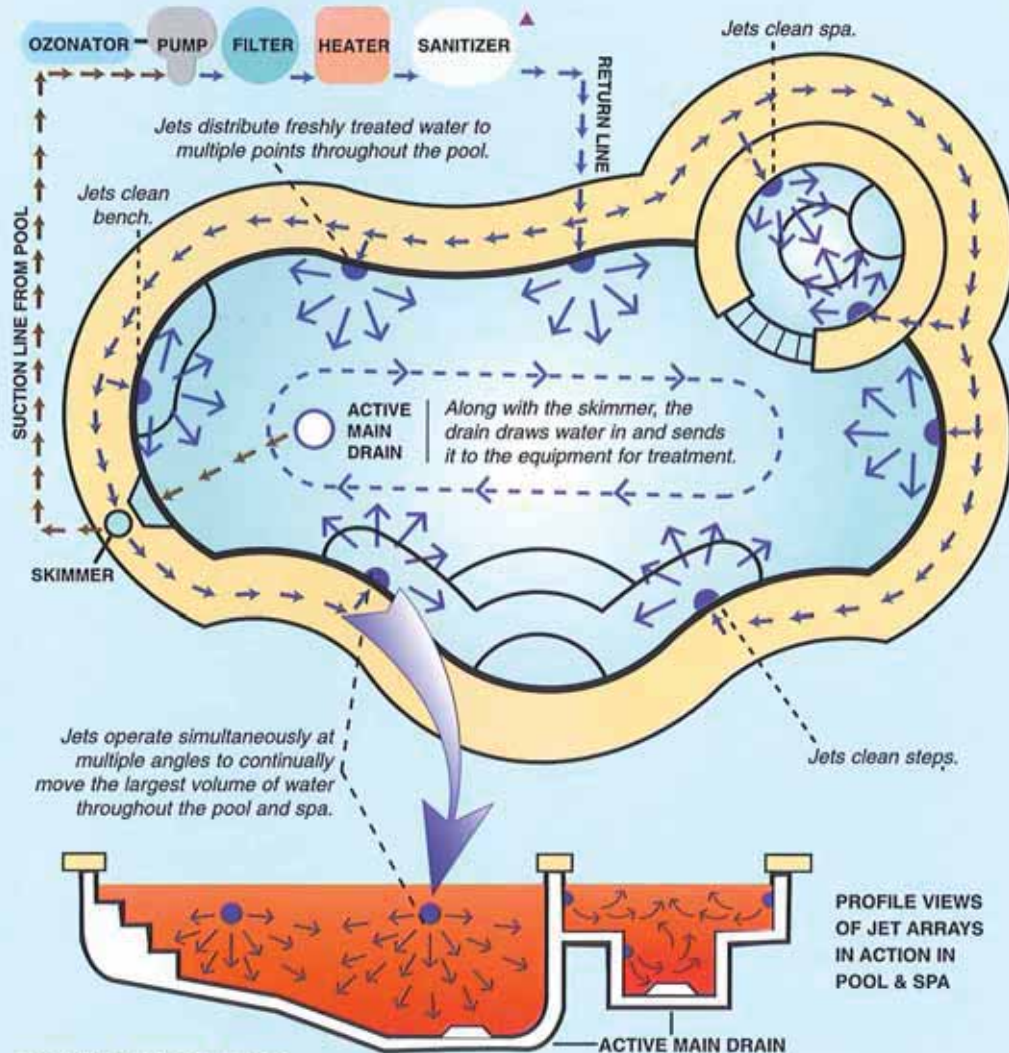
BETTER HEATING

Rather than remaining above, surface water warmed by the sun is distributed throughout the pool by the continual currents—for a *naturally warmer swimming environment*. Currents also quickly distribute equipment-heated water into more areas of the pool to help *prevent the formation of cold pockets*.

* Depending on the size, shape, depth, and enclosure of your pool and other unique local conditions in some regions of the U.S., your Blue Haven office may advise you that a pool cleaner will not even be needed.



Technology patented to:



BETTER CIRCULATION

With the multidirectional currents and many entry points throughout the pool positioned at greater depths, SmartFlow jets are remarkably efficient at circulating freshly treated return water and moving water volume in a vastly superior, top-to-bottom pattern.

BETTER PURIFICATION

With such comprehensive circulation patterns, any chemicals added to the water are dispersed in a highly effective manner. The result: Saturation is much more rapid and complete, and fewer chemicals are needed!

- ~ Create customized, directional currents that target and clean interior surfaces, including steps, benches, corners, and floors, as well as spas;
- ~ Move pool-water volume to decrease overall cleaning time to as little as one-fourth;
- ~ Provide a water turnover rate that cuts heating time up to one-third the usual time;
- ~ Enhance circulation to reduce filtration time to less than half;
- ~ Generate a continuous current that expands and increases the speed and consistency of chemical dispersion; and
- ~ Jet up to 80% of the return water down to the floor to prevent dead zones of water.

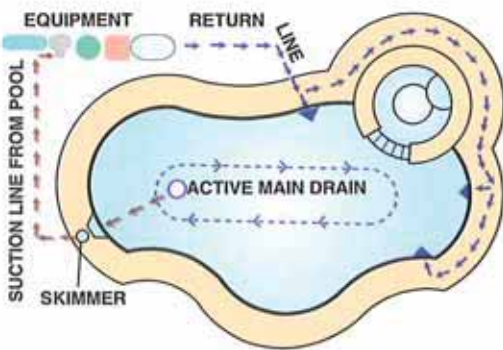


Traditional circulation and dead zones

Even a pool with the best pump & motor is vulnerable to a *dead zone*, a mass of slow-moving “sluggish” water that *inhibits optimal filtration, purification, and heating*. Here’s how a *dead zone* forms and makes it harder to achieve the best possible performance from pool equipment:

If you have ever swum in a pool and suddenly hit a stretch of cold, dense, seemingly “heavy” water, then you have experienced a dead zone.

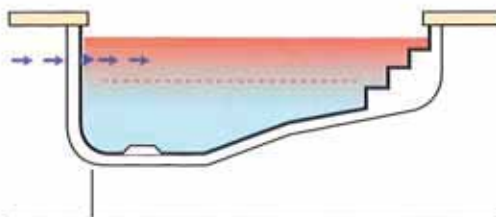
Although a pump creates water flow, it can do so *only through the two to four return lines* that are typically installed in a pool, as shown below.



This is why a pump must run for **six to eight hours everyday**—depending on pool size, use, and season—in order to circulate thousands of gallons of water that would otherwise stagnate.

Because it takes so long to completely re-circulate a pool, the freshly heated, filtered, and purified water that is returned from the equipment to the pool tends to remain near the surface.

As a result, a **large expanse of sluggish water below**—water not recently treated—evolves into a **dead zone**.



Return lines deposit heated, filtered, purified water near the top of the waterline—and only at two to four locations. Therefore, opportunities for rapid, thorough dispersion are severely limited, and the freshly treated water tends to remain near the surface and slowly and incompletely disperses into other areas. However, by the time it does, it too, is no longer as fresh, clean, warm, or pure.

Since heat rises, warm water tends to settle at the top, leading to **heat loss**. Much of it escapes at the surface into the air—forcing you to run your heater longer to maintain or increase pool temperature.

There is a chemical price as well: Water closer to the surface is more vulnerable to sunlight, which weakens pool chemicals. Therefore, **larger amounts of chlorine, shock, and algaecide** are needed to maintain healthy water.

With the JetSystem™, it's like having two dozen return lines at work—vs. the traditional pool's 2 - 4

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SmartFeatures
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