

## Institutional Pool Consultants, Inc.

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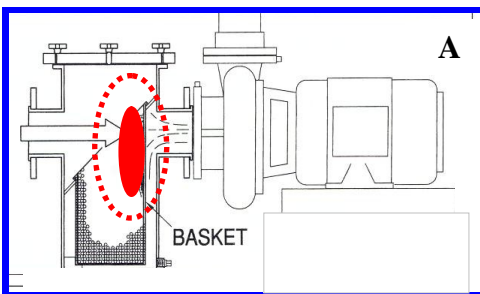
June 7, 2004

Dear Fellow Consultant,

My name is Wayne Kraft and I have been active in the pool and spa industry for over 38 years as a builder, designer, inventor and a full time commercial consultant since 1986. Please visit [www.ipcionline.com](http://www.ipcionline.com) to learn more. Over the past three years I've designed and refined a whole new way to protect the pump, which we all know is the heart of any circulation system.

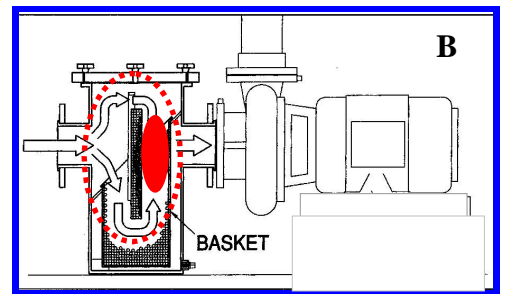
I want to share this truly unique technological advancement with you. ProStrainer™ with "*Horizontal Laminar Flow*" is *so superior it was issued a patent*. Our totally unique design eliminates turbulence and facilitates a smooth, continuous resistance circumventing flow path through the strainer to the pump volute. ProStrainer's design promotes a reduction in overall electrical consumption which leads to a real dollar savings for your customer.

Straining the water before it enters a pump volute is an absolute necessity, which up until now, has always been handled by the conventional "*pot*" or "*T*" strainer. Conventional strainers have a round basket to catch the debris. The problem with this design is that it begins to clog as soon as the water starts to flow. The cleaning surface closest to the pump is inherently designed to work this way. (See A below) As the conventional strainer basket loads, the curved surface of the basket severely disrupts the natural flow path of the water. This creates turbulence and friction, which equates to added head loss. The pump efficiency falls out of its best performance range. It consumes more electricity and provides less flow. If large pieces of debris such as a plastic bag, piece of newspaper, large leaves, etc. find their way to a "pot strainer", it can cause instant and dramatic blockage of the water supply to the pump. As consultants, we are all aware of the domino effect this event creates. Our multi basket design offers far superior protection if this occurs on a ProStrainer™ system.

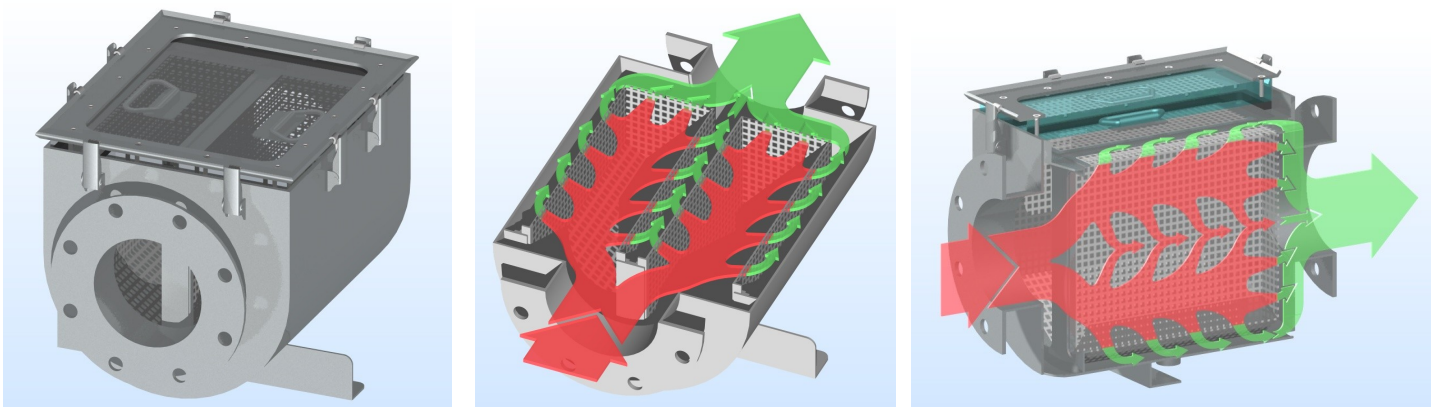


"A" shows short cycle loading of a typical "pot strainer".

"B" shows both short cycle loading and the introduction of turbulent flow into the pump volute.



*ProStrainer™ is a remarkably simple way to give your customers far more effective straining for prolonged pump protection. ProStrainer™ simply equates to much lower operation and maintenance costs.*



With ProStrainer™, the debris laden water goes into the large **horizontal** chambers which are designed to enhance the natural flow of water, not impede it like the **vertical** bodies and baskets of “pot strainers”. ProStrainer’s™ unique body style houses multiple separate horizontally installed strainer baskets with the open end of each basket facing the incoming water. This configuration eliminates all resistance to the entering water. As debris is primarily collected at the effluent end of the baskets, the water is able to escape the trapped debris through 10 to 15 differently positioned flow surfaces, instead of just one. The effective collection surface of ProStrainer’s™ baskets is 200% to 400% greater than single basket “pot strainers”.

### **ProStrainer™ Features**

- All stainless steel components
- Smallest industry footprint
- Comparatively light weight
- Four pre-volute pipe diameters even flow
- Superior “pressure loss vs. flow”
- Superior “pressure loss vs. time”
- Clog free by-pass design
- Automatic balanced Horizontal Laminar Flow
- Promotes highest industry NPSH
- Access to baskets in less than 5 seconds
- Easy out baskets with sure grip handles
- Internal easy access drain and flush plug
- Multiple baskets low resistance flow path
- Lower pressure drop during loading
- Adjustable pressure latching system
- Integral heavy duty mounting bracket
- Full size see-thru lid
- Labor saving “glue and go” installation
- Integral lid handles

### **ProStrainer™ Benefits**

- Promotes long life, fire code protection, eliminates impact damage
- ProStrainer™ fits in places where no other strainer can
- Reduce shipping and installation costs
- Reduces the risk of pump cavitations, vibration and damage
- Allows the pump more water as baskets load
- Minimizes electrical cost and runs longer between service
- Flow path automatically changes with minimal increased pressure
- Our design helps maintain uniform horizontal flow for more uniform basket loading
- Provides better and more cost effective pump performance
- Dramatically reduces service and maintenance time and cost
- Lighter basket loads and easier to clean
- Maximizes cleaning and winterizing
- Reduces chance serious pump damage by flow blockage of large debris
- Allows for maximum pump efficiency for much longer cleaning cycle
- Allows for added lid sealing pressure in the field
- Eliminates costly housekeeping pad, reduces installation labor
- Easy visual inspection of complete basket load volume
- Reduces installation time by 75%, reduced parts, lowers cost
- Provides a sure grip when removing the lid for cleaning

We may have not exhausted our search for every strainer made worldwide and the above information is our opinion.

***Here is the best part! It costs about the same or less than the current strainers you’re specifying today. Hopefully your choice for future projects is as clear as the water we will help you provide!!***

This product is a proven winner! It’s working right now, today, on projects where reliability, durability and performance of the entire system are a must. At ProFlo Inc, we’re really excited because this product helps improve water quality and saves the owner money!! We’ve always known that the strainer has been a weak link in every project. We’ve discovered, and we believe you will too, that this device is an outstanding and dramatic improvement.

The brochure and power point presentation included with this letter will hopefully help you, your staff and your clients understand our truly new solution to an age-old problem. Visit [www.profloinc.com](http://www.profloinc.com) for more. If you presently have any projects out for bid we would be happy to follow up and get one installed so you could see the results first hand. I am happy to answer any questions and provide whatever engineering support you may need.

The utility tool is my way of thanking you for taking the time from your busy schedule to review this information.  
Best regards,

Wayne J. Kraft