

When Buying
a Hot Tub
We Dare You
to Compare.



HYDROPOOL
hot tubs • swim spas



Making an Informed Decision

The purpose of this guide is to provide you the hot tub buyer with a true method of comparison for all Hydropool Hot Tubs. We dare you to compare, we want you to find the best hot tub to meet your needs.

Hydropool understands that hot tubs are a big investment and we want to help you evaluate the benefits and features that best appeal to you before making that purchase. It's best to compare hot tubs feature for feature, investigate your best options, and make a well-informed decision on what hot tub to purchase.

Hot tubs are expensive just like automobiles they are complex pieces of technology that should be designed and built to last. Hydropool knows it's important to investigate each manufacturer, their process used to build the hot tub and its components, and the retailer to ensure you buy the best for your money. Take a very close look at the hot tub warranty and be sure to read the fine print, remember that a warranty is only as good as the company's that stands behind it. To ensure you buy the best for your money we invite you to shop around, we want you to determine the features and options you need or desire in the hot tub of your dreams.

At the same time refer to our "How to Buy a Hot Tub Guide" for a comprehensive guide to purchase the hot tub of your dreams. Beyond that we want to think about and prepare for the installation, delivery and the maintenance required for your new hot tub. We know that's a lot to consider but using this "Comparison Guide" and our "How to Buy a Hot Tub Guide" you can be confident with your final choice.

Shopping for a hot tub can be a difficult and time consuming, especially if you're unsure about the specific functions and features that are important to you that is why we have identified four major areas for comparison and they are Massage / Hydrotherapy, Filtration, Energy Efficiency and Sound levels. This guide will give you solid facts that can be used to compare all Hydropool Hot Tubs with the other hot tubs you're considering.

We want to ensure your long-term enjoyment of your hot tub especially if you choose a Hydropool Hot Tub.



compare
massage / hydrotherapy

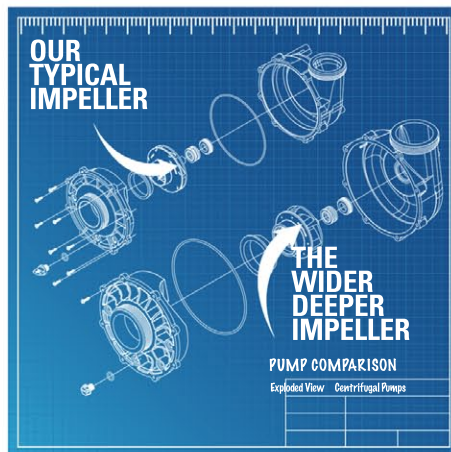
The Massage.



Engineered Hydrotherapy Backed by Scientific Fact.

There are 3 important components to the perfect Massage; Pumps, Plumbing and Jets. When comparing our hot tubs to the competition measure their engineering against these proven components at we believe that to truly understand the science of the perfect massage these components need to be looked at as one single entity to produce the best massage. Hydrotherapy is about Flow Rate (gallons per minute - GPM) and optimum pressure,

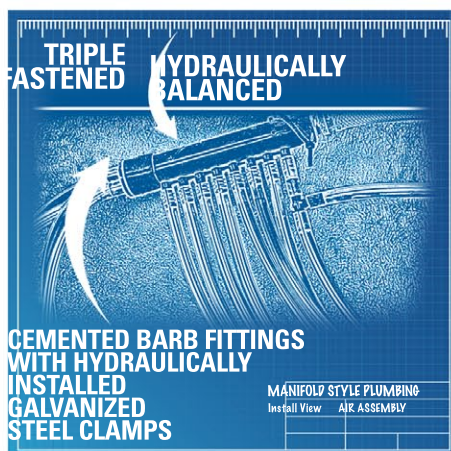
not Horse Power (HP). More important is PLACEMENT of jets not the power. Make sure that each seat has a different number of jets and different placement so that as you move from zone to zone (from seat to seat), you will experience proper hydrotherapy coverage of the areas of your body that may need massaging.



COMPONENT ONE TO CONSIDER:

EVERGREEN PUMPS: Designed to produce the most efficient flow rate in the industry. How?

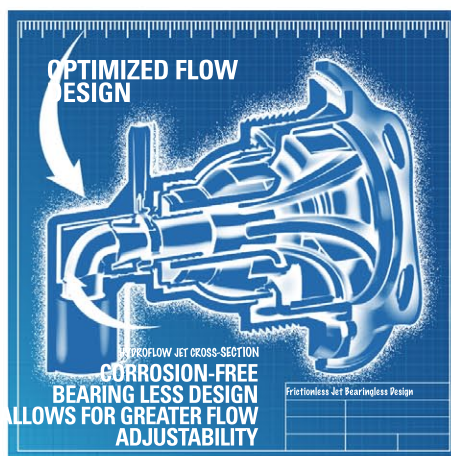
- Pump impellers should have wider / deeper blades.
- This allows our pumps to produce a large volume of water.
- Your new Hot Tub should run at: 180 gpm at 18 psi vs. most Hot Tubs run at: 100 gpm at 12 psi.
- Pump return is positioned at 12 o'clock optimizing centrifugal action of impeller hydrotherapy massage like no other.



COMPONENT TWO TO CONSIDER:

HIGH FLOW PLUMBING: Hydopool achieved BEP "Best Efficiency Point" in the plumbing of every hot tub. How?

- Balanced Flow Rate: 2" plumbing throughout entire hot tub. Manifold style plumbing.
- Decreased Flow Distance: The distance from suctions to pump and from pump to jets.
- Two large Suctions / Pumps.
- High Flow Plumbing is 26% more efficient than the the typical pump found on other hot tubs.

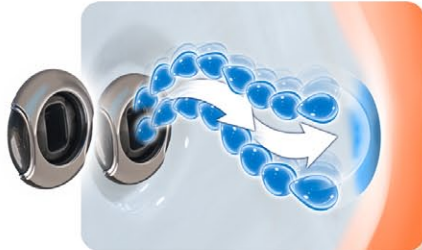


COMPONENT THREE TO CONSIDER:

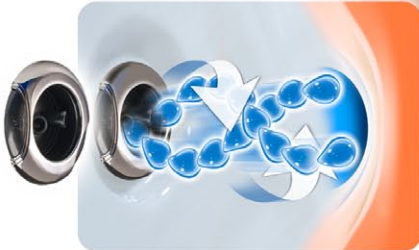
HYDROFLOW SHAFT STYLE JETS: Designed to produce the best flow rates. How?

- Bearingless design increases the life of the jets.
- Depending on how old the hot tub is the coefficient of friction is between 40-100% better.
- Bearing jets clog which stops the rotational motion of the nozzles, this eliminates any of the venturi action stopping air flow.

Consider the Hydrotherapy Jets



RESONATOR JET
Steady Waving Dual Stream



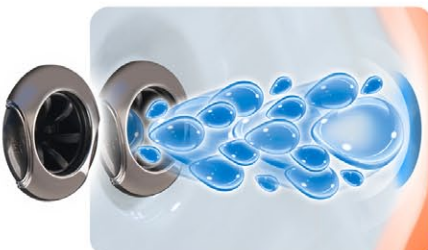
TWIN ROTO JET
Steady Pulsating Dual Stream



SINGLE ROTO JET
Steady Pulsating Single Stream



ACUPRESSURE JET
Pressure Ball Activated



RIFLE JET
Enhanced Steady Stream

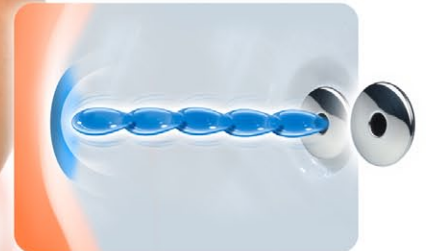


COMPARE THE ANATOMY OF JETS:

You are looking for adjustable, high-volume Hydrotherapy jetting system. Fluidity Jet Sets are a series non-bearing jets ensuring trouble-free operation of your hot tub. These jets eliminate chemical corrosion of jet casings, bearing failures, clogging & deliver superior benefits.



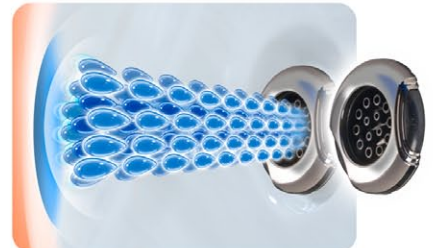
CASCADING WATERFALL JET
Adjustable Water Feature Jet



OZONE CLUSTER JET
Direct Powerful Stream



MULTI MASSAGE JET
Multi Streamed Shower



MASSAGE JET
Steady Pulsating Stream



VOLCANO JET
High Volume Large Stream

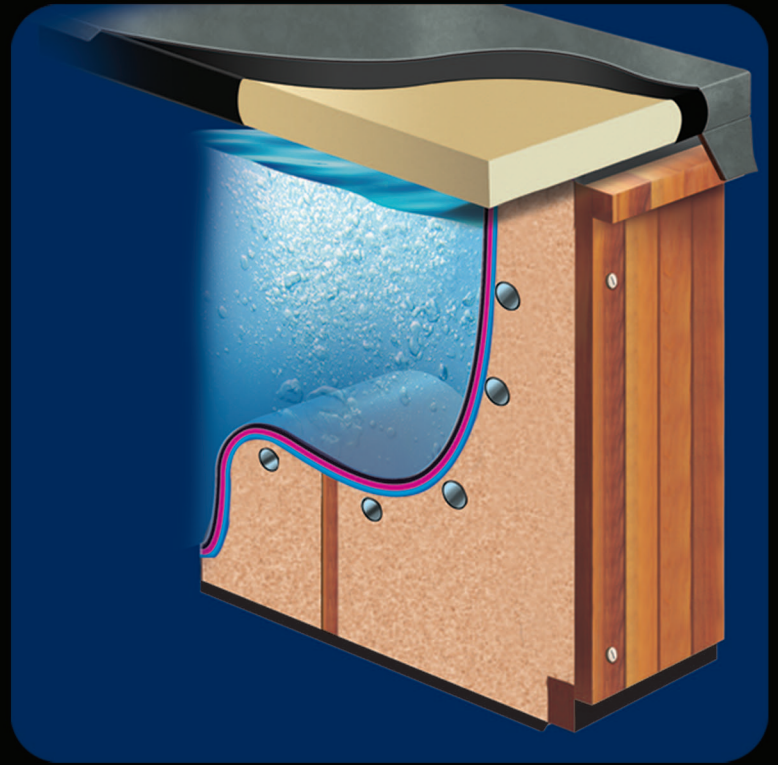
The Energy Efficiency.



Energy Efficiency has evolved but has the hot tub your considering?

FULL FOAM INSULATION Old Technology

- Water will take the path of least resistance hence, if there was a problem with the plumbing the water could appear on the other side
- It is difficult to service because there is no access to plumbing without a full dig out
- Not able to access plumbing without compromising the insulation or structural integrity
- Each motor creates 1.5 kw of heat and all of that heat was being expelled from the hot tub as opposed to being used to help heat the water



Full Foam Hot Tub Problems



Miles of plumbing
on a regular hot tub

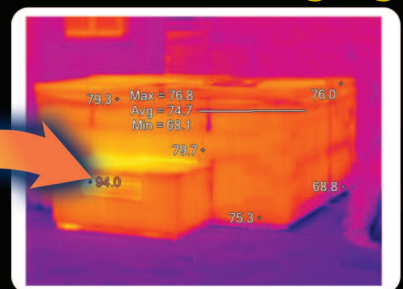
Tough to find leaks
in a full foam hot tub

Archeological dig
in the backyard

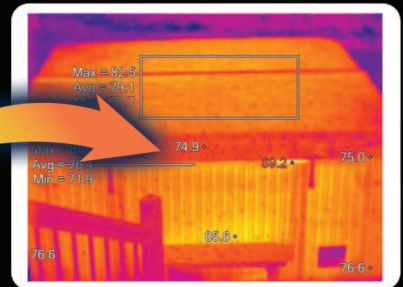
Full Foam Thermal Imaging

No Motor Heat
Recovery

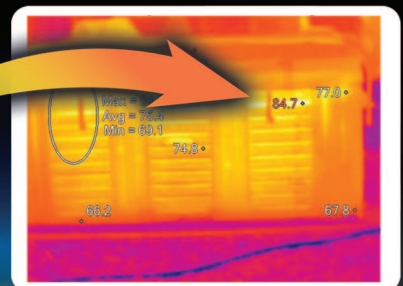
Full Foam
Brand Hot Tub #1
94°F



Full Foam
Brand Hot Tub #2
89°F



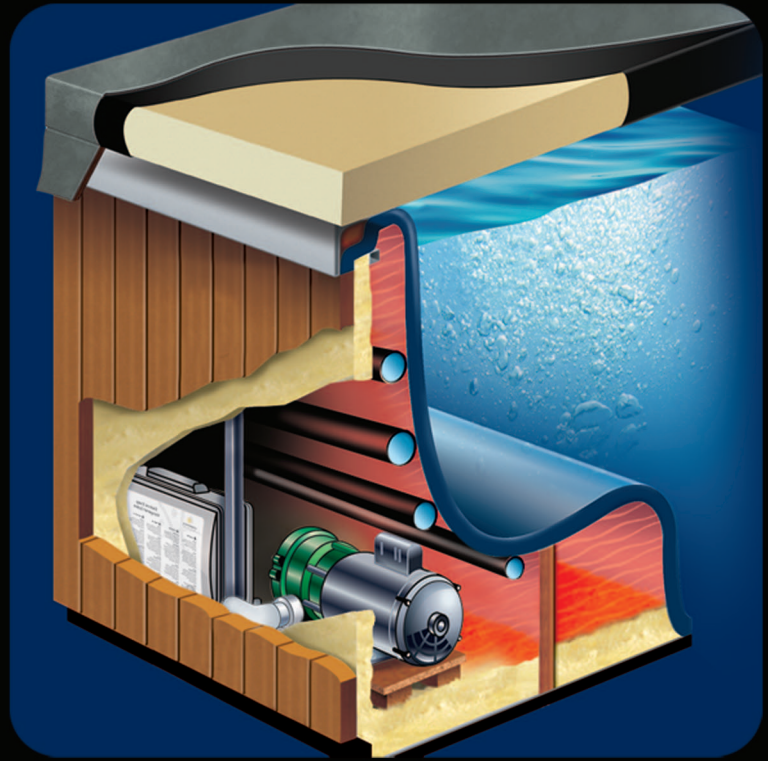
Full Foam
Brand Hot Tub #3
84.7°F



Perimeter Insulation a technology that forgot what it means to be energy efficient.

PERIMETER FOAM INSULATION Flawed Technology

- Causes leaks due to plumbing support issues
- Gaps in panels allow heat to escape
- The Motor needs to breathe, and without vents it overheats and causes the pumps to fail



Perimeter Foam Problems



No support
for plumbing

Test of Heat Lock
System with a 90
second smoke bomb.
Notice the amount
of smoke escape

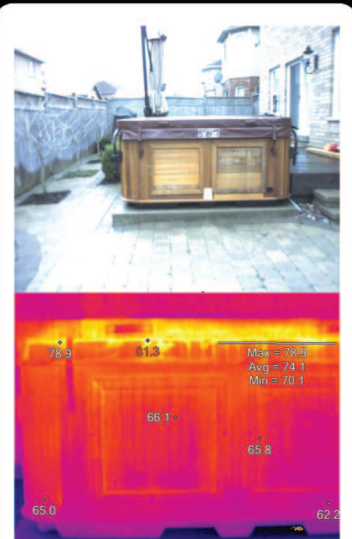
Summer Panel
manufacturer
recommends at
least 2 of these for
summer use.
\$100.00 each.
(Normally sold after a
over heating service call)

Perimeter Foam Thermal Imaging

Hot Tub #1, Brampton, Ontario

Rival Hot Tub 1 7.is2 ▶
4/11/2011
8:44:50 AM*

Visible Light Image ▶



Rival Hot Tub 1 12.is2 ▶
4/11/2011
8:48:44 AM*

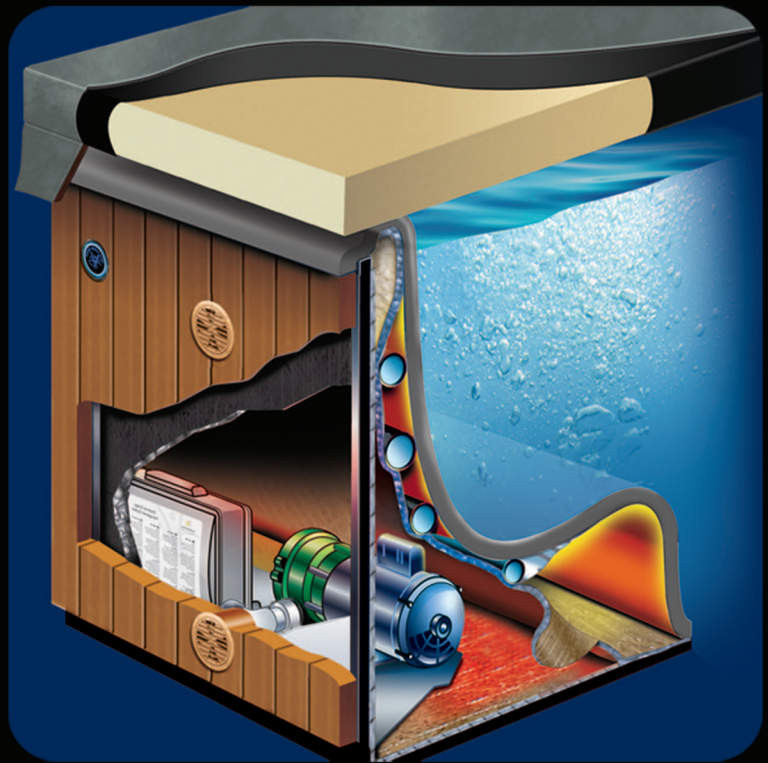
Visible Light Image ▶



Thermal Shield Insulation technology has energy efficient at its core.

THERMAL SHIELD INSULATION Today's Most Advanced Technology

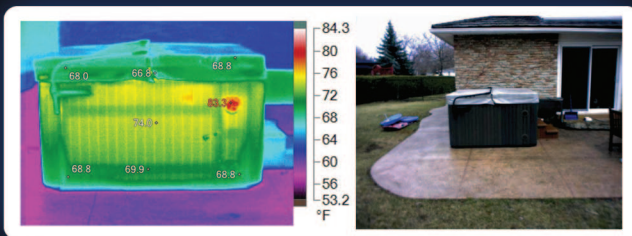
- Polyfilm barrier supports the plumbing
- Easy access to service
- Uses the waste heat of the motor, shell and pipes to heat the hot tub
- Eco heat exchange venting to expel the unwanted heat in the summer and traps the heat in the winter



1) Hydrowise Heat Shield Cover

Made for Canadian Winters

- Four inches thick in the middle and tapers to three inches on each end.
- Insulated bumper down the fold area of the cover.
- Supports up to 250lb.
- 80% of all heat is lost through the cover.
- Safety Locks on both sides.

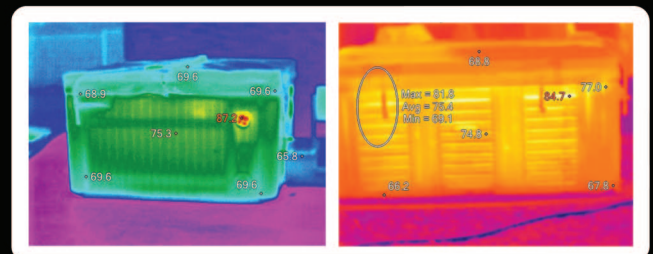


▲ Thermal Shield-2.is2 ▲ Visible Light Image

4/11/2011 9:26:43 AM

Thermal image with temperature variances throughout hot tub.

2) Thermal Shield Blanket THERMAL SHIELD OLDER TECHNOLOGY



"R" Value

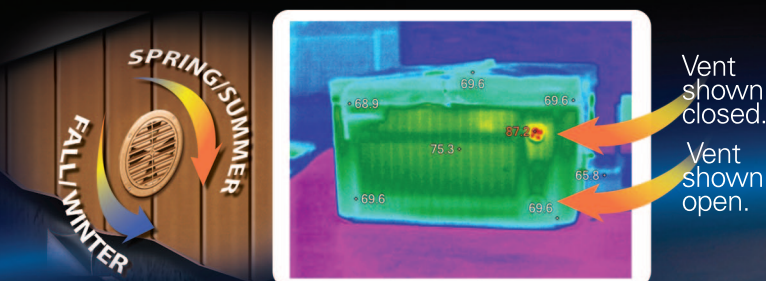
Closed Cell Foam - R 5.5 | Open Cell Foam - R4.3
Ayr Foil A2V Foil - R14- R16

How?

- Triple Thermal Shield protection (Pipes, Cabinet, Floor)
- Traps the waste heat of the Motor, Pipes, shell & reflects the heat back into the water.
- Black Pipe Technology absorbs heat.
- N.A.S.A. inspired technology.

3) Eco Heat Exchange Thermal Increase Motor Performance & Durability

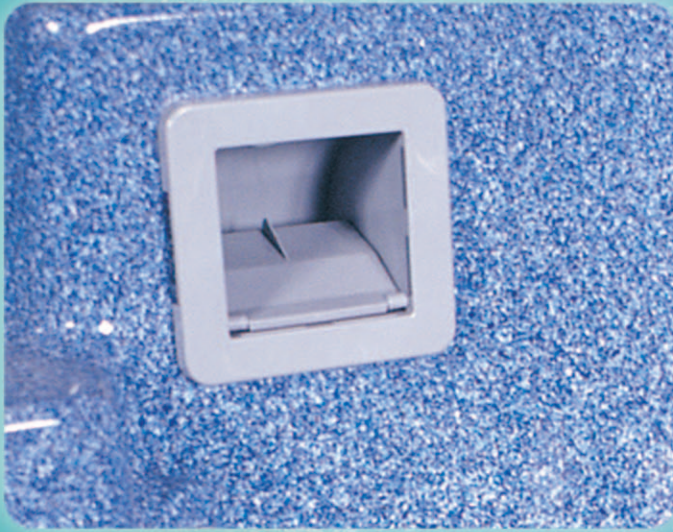
Located on either side of the cabinet, the adjustable thermal vents allow for cross ventilation across the motor area during the summer months and lock the heat in in the winter.



Ease of Maintenance.



Side Suction Filtration only does half the job you need done.



SUCTION SIDE FILTER/SKIMMER

- ONLY 50% of the water is being filtered
- Filter clogs. Pumps and heater are starved of water
- Filter is exposed to the air, hence a greater chance of odours and is in the sight lines of the bather

Gravity Drain Filtration never gets to the bottom of cleaning your hot tub.



GRAVITY DRAIN FILTRATION

- Pulls water from 2" - 4" above the bottom of the hot tub so you need to vacuum to remove any and all dirt from the floor (footwell)
- You have to bail the bottom 6" of water by hand when draining the hot tub
- Does not filter any of the water



The Self-Cleaning System
creates time for what
matters to you.



SELF-CLEANING SYSTEM

- Filter's 100% of the water every 15 mins
- Skims the surface of any water
- Vacuums the floor
- Results in clean clear safe water



More About Filtration...

Filters Explained.

By definition "Filtration" is the act or process of passing a liquid through a filter in order to remove solid particles. Microns are the unit of measure used for rating for a fluid filter and is the accepted way of indicating a filter's ability to remove contaminants. A micron represents the size of the particles a filter can remove.

1 MICRON = 1 Millionth of a Meter

1 MICRON = 1 Thousandth of a Millimeter

1 MICRON = 39 Millionth of an inch
(0.000039")

25.4 MICRONS = 1 Thousandth of an Inch
(0.001")

40 MICRONS is visible with Magnification

40 to 90 MICRONS = The Diameter of a Human hair

Hydopool Dual Core Filter:
Filters Down to 3 Microns

Brita Water Filter:
Filters Down to 5 Microns

Types of Filtration.

1) Horizontal: Side Suction Filtration

Issues:

- a) Filter visible to bathers
- b) Only Skims surface debris
- c) Foot well still collects & retains debris
- d) Spa or Shop Vac required to remove submerged debris from foot well

2) Vertical: Lilly Pad Filtration

Issues:

- a) Filtration completely visible to bathers
- b) Only Skims surface debris
- c) Foot well still collects & retains debris
- d) Spa or Shop Vac required to remove submerged debris from foot well

3) Horizontal Suction Filtration

Issues:

- a) Filter visible to bathers complicated by grate blocking debris from being removed
- b) Only Skims surface debris
- c) Foot well still collects & retains debris
- d) Spa or Shop Vac required to remove submerged debris from foot well

4) Vertical Suction Side Filtration

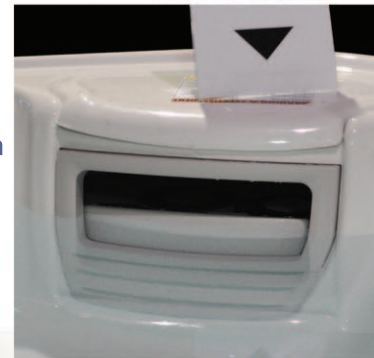
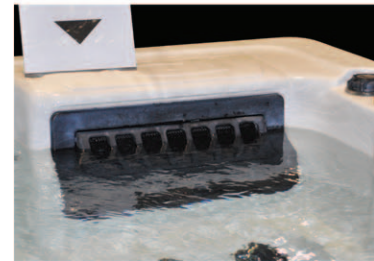
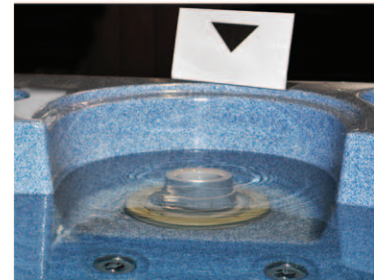
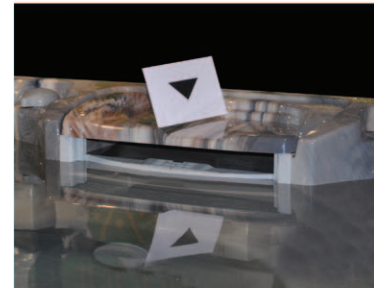
Issues:

- a) Filter visible to bathers
- b) Only Skims surface debris
- c) Foot well still collects & retains debris
- d) Spa or Shop Vac required to remove submerged debris from foot well

5) Self-Clean Pressure Side Filtration

Advantages:

- a) Filter(s) NOT at all visible to bathers
- b) Skims surface debris & submerged debris via built in floor vacuum
- d) NO Spa or Shop Vac needed



Listen Up and Listen Good.

You are buying a hot tub to relax and when considering a brand noise levels should be of huge importance. Start by making sure that the hot tub equipment is housed behind the insulation and cabinet so that the sound of the hot tub operating is trapped and muffled. Ensure that the equipment is not “oversized” but rather sized according to how many jets are in the design. Remember horsepower only means extra volume with no extra hydrotherapy benefit due to the fact that there is only a maximum amount of water you can push through a piping no matter what size pump its connected too. Also having the equipment on the outside of your hot tub may provide better access, but it comes at the cost of energy efficiency and the loss of peace and quiet that you bought it for in the first place.

COMPARE...

Jet engine at 100.....	140dB
Sandblasting, Loud Rock Concert.....	115dB
City Traffic (inside car).....	85dB
Telephone dial tone.....	80dB
Normal conversation at 3'.....	60-65dB
Hydropool Self-Cleaning HotTubs.....	45-50dB (beside it)
Hydropool Self-Cleaning HotTubs.....	35-40dB (at 20 feet)
Whisper Quiet Library at 6'.....	30dB

Now You Are Ready to Compare.

Now is the time to truly compare feature for feature, needs and wants, the pros and the cons and by writing down your choices in one convenient place will allow you to truly compare. We encourage you to utilize this booklet for just that to aid you in your descision.

In the last spread of this booklet we have provided you with an easy to follow chart for each of our Self-Clean Hot Tubs so that they are at your finger tips ready to compare.

Comparison Number One:

HotTub Models:	HotTub #1	HotTub #2
Seat Count: <small>(designed for what number of People)</small>	Hot Tub #1	Hot Tub #2
Jet Count:	Hot Tub #1	Hot Tub #2
HydroTherapy Options:	Hot Tub #1	Hot Tub #2
Type of Filtration:	Hot Tub #1	Hot Tub #2
Energy Efficiency Rating:	Hot Tub #1	Hot Tub #2
Overall Size:	Hot Tub #1	Hot Tub #2
Type of Insulation:	Hot Tub #1	Hot Tub #2
Noise Level:	Hot Tub #1	Hot Tub #2

NOTES: _____

Comparison Number Two:

HotTub Models:	HotTub #3	HotTub #4
Seat Count: <small>(designed for what number of People)</small>	Hot Tub #3	Hot Tub #4
Jet Count:	Hot Tub #3	Hot Tub #4
HydroTherapy Options:	Hot Tub #3	Hot Tub #4
Type of Filtration:	Hot Tub #3	Hot Tub #4
Energy Efficiency Rating:	Hot Tub #3	Hot Tub #4
Overall Size:	Hot Tub #3	Hot Tub #4
Type of Insulation:	Hot Tub #3	Hot Tub #4
Noise Level:	Hot Tub #3	Hot Tub #4

NOTES: _____

Dare to Compare.

Comparison Number Three:


Hot Tub Models:	Hot Tub #5	Hot Tub #6
Seat Count: <small>(designed for what number of People)</small>	Hot Tub #5	Hot Tub #6
Jet Count:	Hot Tub #5	Hot Tub #6
HydroTherapy Options:	Hot Tub #5	Hot Tub #6
Type of Filtration:	Hot Tub #5	Hot Tub #6
Energy Efficiency Rating:	Hot Tub #5	Hot Tub #6
Overall Size:	Hot Tub #5	Hot Tub #6
Type of Insulation:	Hot Tub #5	Hot Tub #6
Noise Level:	Hot Tub #5	Hot Tub #6

NOTES: _____

Comparison Number Four:

Hot Tub Models:	Hot Tub #7	Hot Tub #8
Seat Count: <small>(designed for what number of People)</small>	Hot Tub #7	Hot Tub #8
Jet Count:	Hot Tub #7	Hot Tub #8
HydroTherapy Options:	Hot Tub #7	Hot Tub #8
Type of Filtration:	Hot Tub #7	Hot Tub #8
Energy Efficiency Rating:	Hot Tub #7	Hot Tub #8
Overall Size:	Hot Tub #7	Hot Tub #8
Type of Insulation:	Hot Tub #7	Hot Tub #8
Noise Level:	Hot Tub #7	Hot Tub #8

NOTES: _____



When Buying
a Hot Tub
We Dare You
to Compare.



HYDROPOOL
hot tubs • swim spas

