

HYBRID™ SPA *technology*

Superior Performance Delivered Economically



HYBRID Eco Spa Filtration System

The secret is the technology. While some regular pumps use induction motors such as two-speed pumps, variable-speed pumps use energy-efficient permanent magnet motors, similar to those found in hybrid cars. Overall, variable speed pumps require less maintenance and feature a number of automatic controls that run the pump to meet system demands. Variable speed pumps respond to the needs of the flow required by spa heating systems. A traditional water filter pump system will deliver a pressure higher than you need, which is a significant waste of energy. Hybrid Eco Spa Filtration System allows you to change the speed of the pump to suit the level of demand.

A sparkling clean spa is no longer a drain on your pocket or the environment.

The Hybrid Eco Filtration Pump decreases power usage and Carbon emissions, lowers energy costs and reduces noise levels - resulting in a quiet, cost effective product that is safe for the environment.

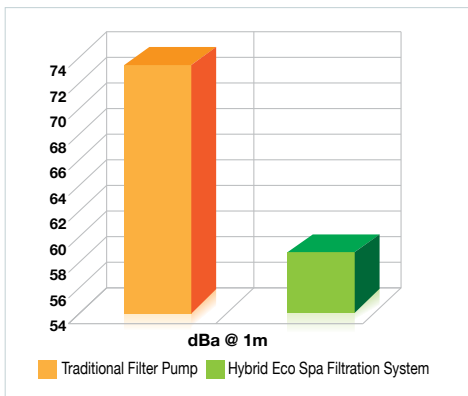
- 1500rpm filtration and 1900rpm heating
- Virtually noiseless at low speed
- Significantly reduces energy usage compared to traditional spas.
- Totally enclosed, fan cooled, permanent magnet brushless DC motor for simple servicing.
- Motor double sealed for total separation between the spa water and the pump shaft.
- German design and engineering combines for ultimate efficiency.
- Corrosion resistant with the use of stainless steel shaft.

Operating a spa with the revolutionary Hybrid Eco Filtration Pump, you can save over 68% of the energy consumed by running a traditional 2 speed pump.

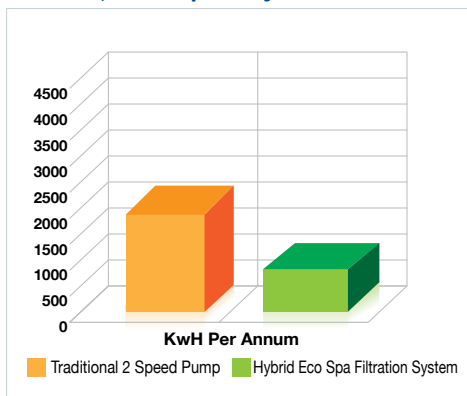


Variable Speed
Intelligent Spa
Circulation Pump

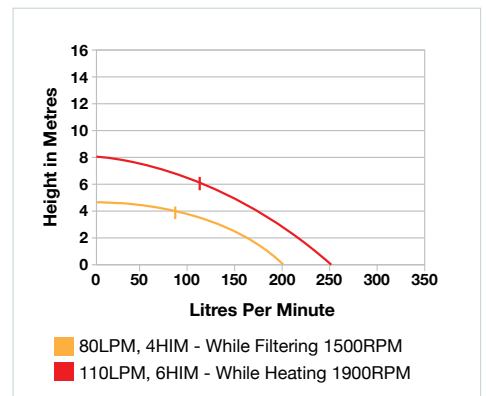
Reduced Noise Levels



Annual Energy Usage to Filter 38,000ltrs per day



Flow Rates



HYBRID Gas Heat Cell

The HYBRID Gas Heat Cell is Australia's only purpose built spa heater constructed from powder coated ZAM (corrosion protection) to withstand the harshest operating conditions. Available in 2 models, these HYBRID heaters are the only Australian made spa heaters designed to heat the largest and smallest of spas.

The HYBRID Gas Heat Cell provides an extensive list of standard features including:

- Digital thermostat display.
- Energy saving 'hot surface ignition'.
- Polymer headers for longer life.
- Service code diagnostics.
- Child-lock function.
- Australian manufacture and design excellence.

Selecting the right size Hybrid heater for your swim spa or spa requirements

Model	Temperature Rise per Hour (SPA)				
	Spa Volume (Litres)				
	1000	2000	3000	4000	5000
HYBRID 131	23°	12°	7°	6°	5°
HYBRID 200	39°	20°	14°	11°	8°

Note: Temperature rise is provided as a guide only and is based on outdoor installations with a hard cover installed.



HYBRID 131
Suitable for outdoor installations only.



HYBRID 200
Suitable for either indoor or outdoor installations. Outdoor hood supplied standard with heater.

Specifications

Model	Nominal Rating				Approximate Dimensions				Connections		Indoor Installations	
	Natural Gas		Propane Gas		All Models				Gas	Water	Flue Diameter mm	Height Overall mm
	Input MJ/h	Output kW	Input MJ/h	Output kW	Height mm	Width mm	Depth mm	Weight kgs	mm	mm		
HYBRID 131	120	24	117	24	860	440	650	35	20	40	NA	NA
HYBRID 200	196	44	185	41	1085	530	650	70	20	50	175	1550



HYBRID SPA *Technology*

With Hybrid Spa Technology there is no need to keep your spa hot all the time. The Hybrid system will heat your spa from 20 degrees to 36 degrees in just under one hour. Our new Hybrid System consisting of the Intelligent Bridge Control, Multi-Speed Eco Filtration System, Hybrid Heat Cell and Hybrid Intelligent Control System, work together in harmony to reduce the running cost of your spa.

With our NEW patented Intelligent Bridge Control, it is now possible to run the Eco Filtration Pump on your spa at a lower level of power consumption when you do not need the spa to heat, and to increase the pump speed when heating is required.

When the Hybrid Intelligent Control System calls for heat, the Variable-Speed Eco Filtration Pump will instantly increase speed, to enable enough flow for the Hybrid Gas Heat Cell to heat your spa to the desired temperature. Once the temperature has been reached, the pump will automatically reduce the speed to power save mode.

The new Hybrid Spa System will reduce the running cost of your spa to as little as \$3.60 per week*.

* Based on Filtering your spa for 8 hours per day, 7 days a week and using your spa once per week.

Benefits:

- Save on heating costs
- Quick heat up times
- Reduces carbon footprint
- Reduces chemical usage
- Saves you money
- Cleaner water (filters 38,000ltrs per day)



'Superior Performance Delivered Economically'

hoodkits - Only available on the Hybrid 200



DILUTION FANS

Dilution Fans (also referred to as Power Flues) are sometimes required for indoor or outdoor installations where there is no natural way of controlling venting of flue gas to a safe location or where there are high wind speeds or highly variable air pressures. The Raypak dilution fan can provide an option when the normal flueing of the heater is not achievable or may be visually obtrusive.



HIGH WIND TOP KITS

In some areas where high winds are frequently experienced it may be necessary to install a Raypak High Wind Top. Installation of the High Wind Top will assist proper draw through the heater and improve operation.



INDOOR HOOD KITS

All Raypak pool and spa heaters are built standard for outdoor installation. If the installation location however is indoors, such as in a plant room, an indoor flue kit is available as an option to convert the standard outdoor model to be suitable for indoor operation. Heaters installed indoors must never operate in the standard outdoor configuration.

Exclusive on the following Brands



www.hybridspa.com.au