



HYDRONE

# Newsletter

Vol. 2 • 2016



Hydro One Show House @  
USJ 3, Subang Jaya

# Advancing Lifestyle

# Hydro One

13 Years Of Excellent History Timeline

## The Baby Was Born In 2003

Started with a fiberglass workshop fabricating household outdoor water filter, swimming pool filters & water filter vessel for commercial application.



*"I still can remember very well back then even directors had to roll up their sleeves and helped the production workers to polish the water filters ourselves during Christmas & New Year in 2003 for a rush delivery. That's how serious and committed we are."*

**K H Lee, Director**

Our first generation of household outdoor water filter produced in 2003.



Hydro One is the pioneer to introduce membrane technology as the Point-of-Entry household water filter in Malaysia and the total units installed are more than 20,000 units till now. There were many brands introduced the same technology since then but most had disappeared over the time. We are very proud that Hydro One remains as the key supplier of water filters till today. Thank you for the trust from thousands of customers.

## The Export Era 2003 - 2008

We have been actively promoting our products and solutions to the world market. We manufacture fiberglass pool filters, water treatment & waste water treatment solution for the export market. Our first container exported to Vietnam and expanded to 40 countries worldwide years later.



02 Company History

# What's New ?

## Safe & Save, ALWAYS!

We strive to keep our brand promise - Advancing Lifestyle. Thank you to our R&D Team who change the norm of a particular product.

With the success of our Hydro One Eco Heater since its launch in July 2015, nearly a thousand of our customers have been enjoying hot water with 50% lesser in energy cost and that is absolutely safe with no risk of electrocution because of the heating component that is made of silicon composite material.

We adapt the same heating component into our Solarwave Solar Water Heater as its electrical back up heater to replace the conventional heating element that is made of copper. Certainly, you can enjoy greater benefits with refined Solarwave Solar Water Heater.

- > Long lifespan with anti scaling character
- > A greater savings in electricity cost during raining season
- > SAFE. Uses the non metal heating element that is made of silicon composite which is not electrical conductive and hence with no risk of electrocution.

*\*Turn to page 7 for more details of our water heater appliances.*

**NEW!**  
Back up heater in non-metal silicone composite material



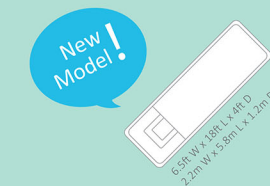
## The Change In Direction

Never stop development is the core value within the company. After a lengthy study, Solarwave Solar Water Heater was successfully launched and its first debut was in Homedec exhibition 2008. We have had an overwhelming response in the show since then. Solarwave Solar Water Heater remains as the core product within the company and has supplied to many prime housing development projects.

## Moving Forward

With our background in fiberglass manufacturing and our vast experience in swimming pool industry, we moved forward venture into the production of fiberglass swimming pool. Knowing the set back in conventional swimming pool construction method, fiberglass pool is designed to overcome those disadvantages with its one-piece structure, easiest to maintain & fast installation lead time that can be done in 7 days.

Started with only 3 designs in 2009 and we have expanded up to total 7 designs in our range now.



## The New Fiberpool Model SIPADAN

Suitable for Semi-D

Beside the improvement on our water heater appliances, we have successfully developed another new model of our Hydro One Fiberpool, **SIPADAN** with size : 2.2M (W) x 5.8M (L) x 1.2M (D). The size of the pool is ideal for a semi detached landed house. Space constraint is no longer a concern.



Fiberpool model SIPADAN under construction

With most of the product cost has risen due to weak exchange rate, however, Hydro One is still in the position to offer a much competitive pricing for our pool due to its strategic move in first quarter 2016.

Don't wait, call us NOW for Super Sleek DEALS that you can't resist.

03 What's New



# Hydro One Fiberpool

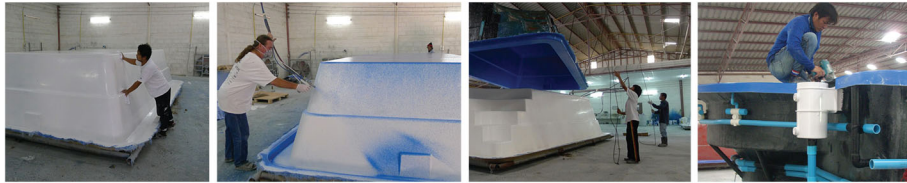


## How The Ideal Pool Is Made

Most of the swimming pools are either built or assembled on site. However, Hydro One Fiberpool is made in a one-piece structure, without any joint or assembly parts, through a series of stringent and state-of-the-art fabrication process on an one-piece mould. Raw material used are Marine grade fiberglass materials imported from Australia that is widely applied in swimming pool and leisure boat industries, absolute weather proof!

The entire one-piece pool structure will go through a 3 layers of polishing and anti-scratch treatment to produce smooth, glossy & glittering surface finishes before delivery.

Any possibility of water leakage after years of operation is eliminated. To assure our commitment, Hydro One Fiberpool structure entitles 10 years warranty against leakage!



## Only 7 Days For Endless Fun To Begin!

Not many great things can be achieved in a week, but we can install an entire swimming pool for you! Made possible by the one-piece design and pre-fabrication process in our quality controlled factory.

This makes the installation of Hydro One Fiberpool Swimming Pool simple and fast without having to coordinate with different sub-contractors that will keep human-error on construction & finishing to minimum.

Pool fittings & accessories such as Inlet, Main Drain, Skimmer and water piping are fused at the pool structure by fiberglass lamination to eliminate any leakage possibility even under long term of operation. You neither have to monitor the quality of your contractor's workmanship for months nor making the plumbers to understand and plan for the complicated piping system last minute at site.

Besides the pool fittings, Hydro One Fiberpool Swimming Pool is also equipped & packaged with LED Underwater Light and an aluminum-made Pump House that contains the Sand Filters, Pool Pump and Control Panel with Remote Control.

## Be a Hassle-free Swimming Pool

Maintenance is always the top concern of any potential swimming pool user. Algae normally tends to grow within the pores & gaps of the tiles in a concrete pool. Scrubbing using algae brush is usually required and even acid is used frequently to clean the pool surface to be free from algae stain. Hydro One Fiberpools are devoid of any such maintenance hassles

because of its smooth and one-piece surface finishing that can be kept clean easily. In fact, we encourage the users to perform the pool cleaning by DIY when a full set of cleaning kit is provided by us upon hand-over.

Repairing on pool structure, e.g. replacement of PVC liner in vinyl pool or re-

tile works on a concrete pool, occasionally required after long term operation. All these translate to high repairing cost for your pool and sometimes too costly to abandon your pool. User can eliminate all these unnecessary costs & unforeseen nightmare with Hydro One Fiberpool..

## Let's personalise your own pool!

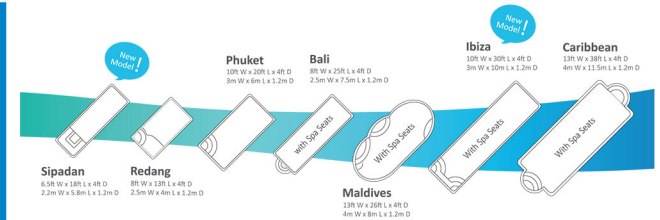
Look for more enjoyment besides swimming? We offer more than just a swimming pool!

Built in spa-seats in the pool for you to relax & rejuvenate yourself after a hard days night .

Cross Current Swim Jet from Germany allowing you to swim endlessly and will be the best worked out for you.



## Hydro One Fiberpool Models



Space constraint should not be the main concern anymore as some of our pool models can even be installed at Semi-D houses.

Hydro One Fiberpool Swimming Pool also features surface with glittering effect finishing that is polished smooth & glossy with UV resistant coating, non-abrasive that will harmonized with the landscape view of your dream house.

# Fun Lasting Memories Made Easy!

# Solarwave Solar Water Heater



Many home owners are getting aware of that having a Solar Water Heater System is basically a more practical solution for your daily needs of hot water supplies. Not only environmental-friendly while value adding your home sweet home and your family lifestyle, but a Solar Water Heater system that rarely need any electricity to operate is also much safer for your hot water during day & night.

## Continuous Hot Water From The Sun

### Why Solar Water Heater System

However, it is common that some are in doubts whether the hot water supplies can be consistent even after over-night? While some choose to take second thought due to the initial investment sum on the system plus the concealing works of hot water piping within the property that might seem hefty. The latter group obviously might have overlooked at the electricity cost, which is a long term and never ending expenses spent on their hot shower whenever heating system used is electrical driven. Also, there wouldn't be any better moment to proceed with the hot water piping concealing works at your home except during the renovation time before family move in.

### Are All Solar Water Created The Same?

At Hydro One, we realise that continuous hot water supplies with virtually no electricity needed should be the top prioritised brand promise of a Solar Water Heater system to user as this is the very basic fulfillment while also eventually cause faster Return of investment.

In view of this criteria, Solarwave Solar Water Heater system, another flagship product by Hydro One, is designed to perform not only with better heat absorption but its design philosophy also emphasize on heat preservation.

Solarwave utilises the latest solar water heating technology of Energy Transfer Mechanism that differentiates itself from other system in 3 main areas : Its solar collector, hot water tank structure and working mechanism.

### The Essential Components That Make All Features Happen

The solar collector in cylindrical shape design is neatly arranged in manifold. Such design has an objective that is to absorb more sunlight. Due to its wider angle.

Besides the efficiency in heat absorption by the solar collector, one of the most unique mechanism is the design and structure of hot water storage tank. In the design of conventional solar water heater system, hot water always depend on the capacity of hot water storage tank. With the usual time we consume most hot water which normally at night where the solar collector has stopped functioning. The hot water we consume comes from the storage tank eventually cold water will keep mixing within tank, this process will create tremendous drop in hot water temperature and at most time we don't get the full capacity hot water from conventional system.

Solarwave has an Inner Copper Coil immersed within that is made of high pressure seamless conduit. The inner coil ensures that the cold water never mixes with the hot water while in the tank. This helps in achieving a water temperature and continuous supply of hot water.

Cold water actually flows directly into the inner coil which is 25M long, and is then instantly heated by the surrounding hot water in the tank while passes through. Hot water is produced instantly with no loss in pressure and with unlimited volume.



#### > Advantages from Solar Collector

- No heat loss.
- Better heat preservation.
- Greater sunlight absorption due to wifer angle.
- No condensation & corrosion.
- 10 years warranty.

#### > Advantages from Our Tank

- No mixing of hot & cold water.
- No pressure build up within tankand this offers longer lifespan.
- 10 years warranty.

#### > Advantages of our Heating Element

- Made of silicon composite that is non metal, hence, this is absolutely safe with no risk of electrocution.
- Long lifespan with anti scaling character.
- Save 40% of energy cost whenever you switch on electrical heater.
- Double safety protection. Conventional heating element comes with a built in single thermostat. The thermostat built in Solarwave Solar Water Heater has double safety cut out feature.
- 2 years guarantee



#### TIPS

It is important to understand the terms of guarantee & warranty for a product you purchase. Solarwave comes with 2 years guarantee & 8 years warranty on Solar Panel & Hot Water Tank

#### TIPS

Not all water pumps are maintenance-free. Water pumps that are equipped with pneumatic tank has to be refilled with gas into the diaphragm within after few years of operation. Otherwise, the pressure performance may deteriorate.

#### TIPS

The best direction for installation of Solar Water Heater will be facing South or North as solar energy absorption will not be limited by morning/evening sun. User should not be restricting the installation location due to aesthetic reason. Instead, one should feel proud if their solar water heater system is obviously seen as this reminds & encourage others to show their bid of support the environment by using green energy.

#### TIPS

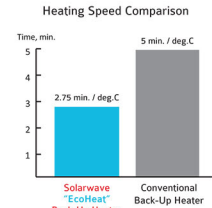
Hot water piping is a must-have before getting a Solar Water Heater. Not sure if your property already provided with any in advance? Easy, just check out your bathroom and hot water piping should have been concealed if a shower mixer fitting is found. However, you should also be making sure those hot water piping are all connected within the ceiling level to form a centralised supplies loop. Also, an electrical point with 15Amp wall switch at common area should be prepared for the connection of the solar heater system's accessory - the back-up heater.



#### The "EcoHeat" Back-Up Heater

The function of electrical heating in solar water heater system is to heat up the water as temporary booster during rainy season or cloudy weather. Conventional system uses typical copper heating element as their back up heater that operates at 2.8kW. Most common problem is scaling and deteriorating efficiency that causes higher power consumption.

By using the same technology in Hydro One EcoHeater, Solarwave is now equipped with back up heater that is made of silicone composite material with power consumption only at 2kW. It allows you to save 40% energy cost and heating efficiency & speed is 80% higher & faster than conventional system.



# The Heat Is On Always!



# Hydro One Eco Heater

Energy & Life Saving Storage Water Heater



We are concerned with the safety factor when selecting an electrical water heater and at the same time, it consumes the most energy amongst all home appliances.

In view of the criteria above, Hydro One Eco Heater is a storage type water heater that applies a proven & most advanced heating technology & components, making it a well designed product with enhanced safety features and superior thermal efficiency allowing huge energy savings at the same time.

Conventional storage water heater generally uses metal type heating element for water heating, which its performance can be found deteriorating due to scaling problems and cause high energy consumption and great concerns on user's safety once its condition is

found ageing or rusty after long term usage.

Hydro One Eco Heater uses heating component that is made of non-metal based silicon composite material with lower power consumption rating. It is non-electricity conductive for much **lower risk of electrocution** and could performing at higher efficiency in water heating application. At the same time, it has high resistance against oxidation and scaling that makes Hydro One Eco Heater stretched for longer lifespan.

Therefore, user now can enjoy hot water with peace of mind and expect at least 50% savings in energy cost as the power rating of Hydro One Eco Heater is only at 1500 Watt as compared to 3000 Watt found in conventional storage water heater.

**TIPS**  
What are the savings on electricity consumption?

Type of heater	Rated Current	Total Electricity Consumption A Year <sup>1</sup>	Total Cost A Year <sup>2</sup>
HYDRONE EcoHeater	1500 W	1.5kW X 2 hrs X 365 days = 1095 kWh	RM 372.30
Conventional electrical water heater	3000 W	3kW X 2 hrs X 365 days = 2190 kWh	RM 744.60

1. Based on total 120 minutes consumption by family size with 4 member, 2 showers a day with 15 minutes for each shower  
2. Base on only 2/3 of a year where the water temperature stored is below 45deg C and system needs to heat up  
3. The cost shown above is based on TNB tariff of RM 0.32 / kWh for reference purpose only

Nevertheless, the speed for heating of Hydro One Eco Heater remains on par with conventional copper heating element that uses higher power rated heating element but Hydro One Eco Heater only requires half of the energy input to achieve so. In within minutes, The Hydro One Eco Heater is ready to supply hot water for your shower.

Besides safety & cost savings factor, quality and practically are equally important. The inner tank of Hydro One Eco Heater to function as storage of hot water is made of high quality rust-proof 1.5mm SS304 Stainless Steel material and fully

insulated with 50cm CFC Free Polyurethane Foam for heat loss prevention.

Hydro One Eco Heater is the ultimate choice of storage water heater of your home. It has undergone a thorough safety test and fully accredited by SIRIM testing under IECCE standard and CB quality scheme with major components are TUV certified as well. User entities for 2 years full set guarantee and 5 years warranty on its storage tank.

Save & safe are our brand promise to you...!

Product is tested and accredited with certification of :



Component suppliers & vendors of the products are accredited with certification of :



08 Hydro One Eco Heater

# Hydro One Outdoor Water Filter



New Face Lift Design  
Fully Stainless Steel Casing  
Model H2O-Z2000

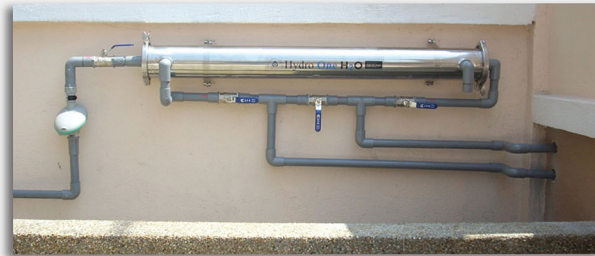
Auto Timer Controller  
Fully Imported From USA

10! Years Warranty



SIRIM TESTED since 2004

Sirim Test Certificate since year 2004



The popularity of having the outdoor point of entry water filter began in the last decade. Hydro One as the pioneer in water filtration industry was the first introducing the membrane technology as the outdoor point of entry water filter for home.

There are certainly many advantages with

membrane water filter. The slim & sleek design doesn't take up space of your garden as it is wall mounted. In terms of performance, the product can filter down to 0.01 micron and remove bacteria & viruses of up to 99.99%.

Having said so, Hydro One membrane water filter is the only brand has undergone a filtration

& bacteria test conducted in Sirim back in 2004. The product is time proven with more than 20,000 units installed across the country. Throughout the years, our membrane water filter have been applied in many challenging environment such as waste water recycling system across the continent.

You have the option with automatic flushing with an automatic timer controller fully imported from the USA, the timer controller is weather proof with battery operated. All you need is to replace the 9V alkaline battery to power the auto-timer controller every 3 - 6 months.

In short, we promise you with a crystal clear water with Hydro One Membrane Water Filter.

The product comes with a 2 years guarantee and 10 years warranty on the stainless steel housing against leakages.

## TIPS

While many worry about the replacement cost on membrane filter, Hydro One Membrane Water Filter has proven with a long standing presence in many homes and the replacement for membrane is required only after 5 years.

## TIPS

When selecting your water filter, it is crucial to consider the company's track record and history to determine whether they can offer a lifetime service.

**Filtration Power**  
0.01 micron  
**Installation**  
Under Kitchen Sink  
**Water Quality**  
Direct Drink-able  
**Tested Quality**  
SIRIM Tested Since 2004



Hydro One Under Counter POU (Point-of-Usage) Drinking Water Purifier that applies the same membrane technology to remove waterborne bacteria with affordable cartridges replacement cost.

09 Water Filter

Safe & Save, Always!



# Project Highlight 2015/16

We have successfully completed various prestigious in 2015 & 2016.



IJM Debunga at Ukay Perdana by IJM Land  
7 units Hydro One Fiberpool model BALI



Sunway Eastwood at Seri Kembangan by Sunway Properties

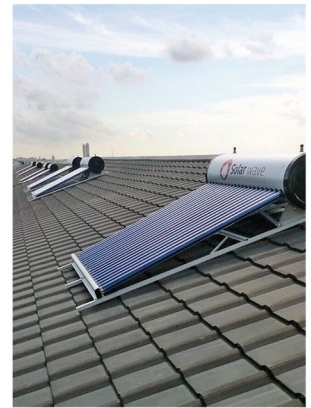
66 units 60 gal Solarwave Solar Water Heater

Sunway Lenang Heights at Johor Bahru by Sunway City (JB)  
112 units 60 & 80 gal Solarwave Solar Water Heater

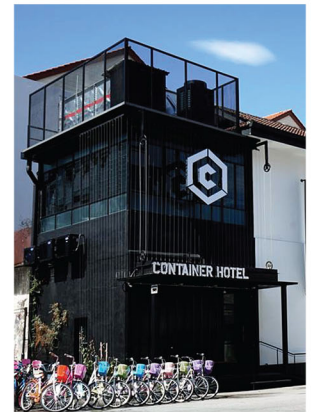


Anggun 1 at Alam Nusantara, Sek. U13, Shah Alam by PKNS

96 units 60 gal Solarwave Solar Water Heater



Container Hotel at Kuala Lumpur & Penang  
16 units 80 Litres EcoHeater





# Project Highlight

We're proud with Hydro One's products have been selected and chosen by top developers for their prestigious projects.



**The Reed at Lakefield,  
Sg. Besi by YTL**  
285 units 60 gal Solarwave  
Solar Water Heater



12  
Project Gallery



**Nusa Duta at  
Johor Bahru by  
IJM Land**

56 units 80 gal  
Solarwave  
Solar Water Heater



**Resort Homes  
at Hijayu 2,  
Bandar Sri Sendayan  
by Matrix Concept Behad**  
64 units 80 gal  
Solarwave  
Solar Water Heater



**HOME TREE  
at Kota Kemuning  
by BCB Berhad**  
101 units 60 gal  
Solarwave  
Solar Water Heater

13  
Project Gallery



**Garden Residence at  
Cyberjaya by  
Mah Sing Group**

581 units Hydro One  
WDB-300 Water Filter

**Kinrara Residence at  
Puchong by  
Mah Sing Group**

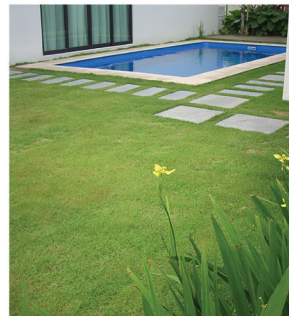
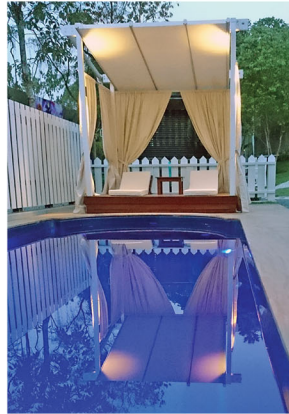
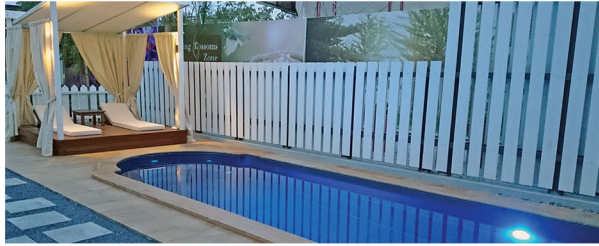
536 units Hydro One  
WDB-300 Water Filter





**Fields Of Gold  
at Rawang by  
Primarc Development**

53 units  
Hydro One Fiberpool  
model BALI & REDANG



**Ken Rimba Legion  
at Shah Alam by  
Ken Holdings**

72 units  
Hydro One Fiberpool  
model PHUKET

# Special Installation

Hydro One's products are not just a standard norm product, but a solution provider in many different applications :

**KFC & Pizza Hut**

We managed to lower the energy cost by 50% with Solarwave Solar Water Heater



**Budget Hotel – Puchong**

12 units Solarwave Solar Water Heater



**Budget Hotel – Kluang**

13 units Solarwave Solar Water Heater



**Epson's factory**

8 units Solarwave Solar Water Heater



**Hotel Star Inn, Pudu**

10 units Solarwave Solar Water Heater



**Pool Heating**

Solarwave Solar Water Heater are being used for heating swimming pool's water for comfort



**Waste Water Laundry Recycling Plant in Brisbane, Australia**



**Waste Water Recycling Plant in Saudi Arabia**







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