

# HOT WATER IN YOUR HOME.

FOURTH EDITION.



BATHROOM

KITCHEN

LAUNDRY

COMMERCIAL



STEADY, HOT & STRONG

INSTALL A RHEEM™

[www.rheem.co.nz](http://www.rheem.co.nz)



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Image courtesy of Methven

STEADY, HOT & STRONG

# INTRODUCTION

Welcome to the fourth edition of The Truth - Hot Water In Your Home by Rheem.

Rheem are proud to bring you this easy to read reference guide that will detail not only the best water heating products on offer but also key information about hot water, it's uses, volumes, heating and energy alternatives.

Hot water is one of life's true luxuries. Imagine life without it! Hot water has long been recognised through history for its ability to bring people together. Many cultures have bathhouse and sauna facilities to relax in and communicate with friends and family.

The bathroom itself is often a place you go to soak away tired muscles at the end of the day or to rejuvenate and freshen up when heading out of the home. This reference guide will help you find the most energy efficient hot water heating solution for your needs.

Should you have any further enquires or need further information please visit our website [www.rheem.co.nz](http://www.rheem.co.nz) or call our Customer Service specialists on 0800 657 336.



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# TYPES OF WATER HEATING

There are many energy sources but only two types of water heaters.

## ENERGY SOURCES

These include electricity, gas, (LPG or Natural) and renewable energy sources such as the sun, wind, wood and even pellet type fuel sources. What's more you can combine energy sources for incredibly efficient and sustainable water heating solutions. There are many ways to heat your water and here at Rheem we are dedicated to bring you the right solution for the needs of your home and family.

## STORAGE WATER HEATERS

These are the well known upright cylinders in our homes and they are generally heated by electricity or gas. Suitable for mains pressure or low pressure.

## GAS CONTINUOUS FLOW

Instead of storing the water it is heated as it passes through the unit providing an endless supply of hot water. Suitable for mains pressure only.

## STORAGE WATER HEATERS

### Low Pressure Storage

Rheem Low Pressure water heaters are a common sight in older houses and while they are typically electric, some gas systems do exist. Over the years Rheem have improved the low pressure system with the latest insulation materials, plus Rheem offer a new vitreous enamel steel cylinder that provides more pressure and can cope with a wider range of problematic water types.

Refer to page 11 for further information.

### Mains Pressure Storage

Rheem Mains Pressure water heaters are the preferred option in modern homes. They deliver full flow to multiple bathrooms and taps throughout the home.

Mains Pressure systems allow for a wider range of modern fittings and the latest appliances. Tank or bore water can also be pumped to mains pressure.

If you are living in a residential area you will almost certainly have mains pressure available at your gate.

Refer to page 8 for further information.

### Heat Pump Water Heater

Heat pumps are the most advanced water heating option currently available. Using technology similar to refrigeration they extract free energy from the air transferring it into the water for the most efficient method of mains pressure water heating.

Refer to page 15 for further information.

### Solar

Solar utilises free energy from the sun with roof-mounted panels (collectors) as a heat source, then transfers the energy to a storage cylinder.

This can be paired with either electric, gas storage or wet-back systems for a reliable and energy efficient hot water system.

Refer to page 21 for further information.

## GAS CONTINUOUS FLOW

Rheem Gas Continuous Flow water heaters are compact; excellent to use where space is at a premium.

Gas Continuous Flow water heaters range in size depending on the amount of hot water they can deliver per minute. Instead of storing the water it is heated as it passes through the unit providing an endless supply of hot water.

Available as an indoor model or the popular space saving outdoor model. Available in either LPG or Natural Gas. Optional temperature controllers are also available.

Refer to page 13 for further information.





# CHOOSE THE RIGHT HOT WATER SYSTEM FOR YOUR HOME

Go to [www.rheem.co.nz/selector](http://www.rheem.co.nz/selector) and answer a few simple questions about your hot water requirements and get a unique list of products to match your home water heating needs. It's as simple as that.



[www.rheem.co.nz/selector](http://www.rheem.co.nz/selector)

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# RHEEM - HOT WATER TECHNOLOGISTS

Rheem has been a trusted name in New Zealand since it began making gas hot water systems in Wellington in 1969.

Rheem started with gas fired mains pressure water heaters and low pressure electric cylinders moving through to mains pressure electric in 1973. Even in the early days Rheem was at the leading edge of hot water heating technology quickly expanding its range of water heaters to offer a range of products that has grown year after year to provide the best options for domestic and commercial water heating needs. Remember the old wall mounted Zip. A great example

of technology that has moved forward, now offered in a range of super smart wall mounted Lazer units available in a range of models and sizes with digital controls that save energy and are safer and more user friendly.

The development of the state of the art "On-Tap" instant boiling and chilled water dispensing tap is also a first for New Zealand manufacturing.

Rheem has a highly skilled and committed Research and Development team right here in New Zealand working to improve water heating technology for future generations to benefit from.



[www.rheem.co.nz](http://www.rheem.co.nz)





# HOT WATER SAFETY

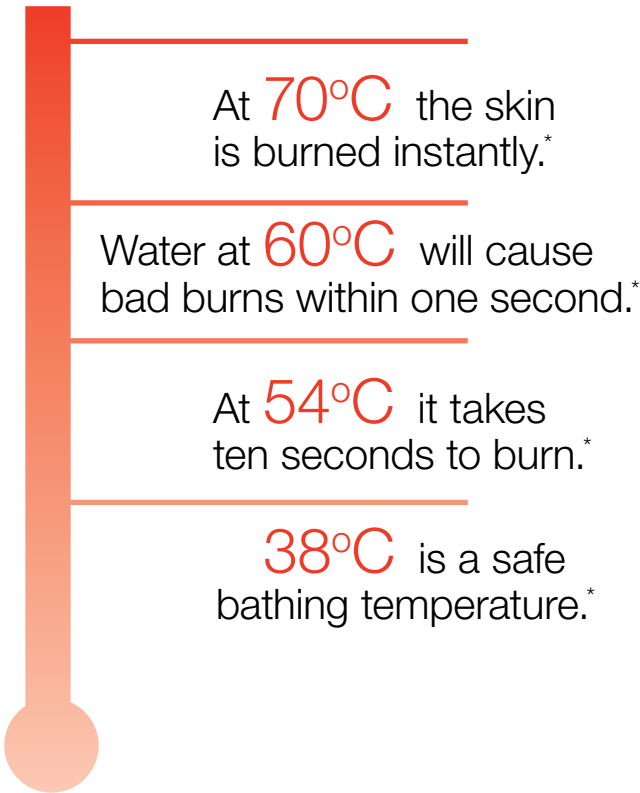
Abundant hot water is a lovely thing, however almost 40% of New Zealand homes have hot water that’s dangerously hot, and nearly 10% have water so hot that burns are inevitable.

(BRANZ Research)

A safe bath temperature for young children is between 37 - 38°C. When you are running a bath, always put the cold water in first and stay in the room to supervise. Test the bath temperature before putting your child in.

Hot water must be stored at 60°C or higher to eliminate the risk of Legionella bacteria growing. A tempering valve installed after your hot water cylinder or on the outlets for personal hygiene is the current required practice and safest way to supply hot water to your showers, hand basins and bath. This will provide safer hot water temperatures.

A high quality continuous flow gas system such as the Rheem Continuous Flow has a preset 55°C electronic temperature setting. It also has the facility to connect kitchen and bathroom controllers which allows the homeowner to change the temperature to as low as 38°C - a great safety feature for filling a bath.



\*Burns Injury. Retrieved August 13, 2009 from <http://www.safekids.org.nz>



# ELECTRIC MAINS PRESSURE RHEEM OPTIMA

## Purpose built for the outdoors

The Rheem Optima is a mains pressure electric storage system that is a family favourite. Suitable for indoor or outdoor installation and available in capacities from 180 to an impressive 400\* litres.

The 300 & 400 litre models feature twin heating elements for faster recovery and its long life design attracts a 10 year warranty.

Delivering up to 40 litres of hot water a minute these units are ideal for families who want multiple showers and simultaneous hot water draw off but still want to take advantage of economical night rate electricity tariffs.



\*400L made in Australia



Rheem Optima		
<ul style="list-style-type: none"> <li>• Ultra long life design</li> <li>• Suitable for a wide range of water qualities</li> <li>• Delivers up to 40 litres of hot water a minute</li> <li>• NZ MEPS Compliant</li> <li>• Relief valve setting: 1000 kPa</li> </ul>		
People 2 - 7	180 - 400L*	Indoor & Outdoor
Refer to Page 23 for full specifications		

\*400L 'Aquamax' model available on request







# ELECTRIC MAINS PRESSURE STAINLESS STEEL

As older low pressure systems need replacing, the trend is to replace these with mains pressure. Home owners often cannot believe the change when it comes to having mains pressure: great showers, taps with sufficient pressure, and appliances that work more efficiently along with better energy conservation.

With up to 40 litres per minute flow, rate you can have multiple showers and taps running while maintaining a stable shower temperature.

Our stainless steel mains pressure water heaters are generally heated with electricity or gas, but are also Heat Pump, Solar and Wetback compatible\*.

Available in various sizes from 135L to 300L.



## Rheem Mains Pressure Electric

- Solar and Heat Pump Compatible\*
- Designed and Manufactured by Rheem
- Suitable for a wide range of water conditions
- Indoor/Outdoor Installation
- Incoloy Element
- TPR valve setting: 135 & 180L = 1000 kPa, 250 & 300L = 850kPa
- Ease of Replacement - Diameters match popular Rheem Mains Pressure models
- NZ MEPS Compliant
- 10 Year Warranty\*\*

1 - 7 People	135 - 300L	Indoor/ Outdoor	10 Year Warranty
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Refer to Page 24 for full specifications

\*Excludes 135L model. \*\*Refer to page 33



# ELECTRIC MAINS PRESSURE VITREOUS ENAMEL (VE)

New Zealand is a unique environment and here at Rheem we've continually developed our advanced range of vitreous enamel lined Mains Pressure Water Heaters to withstand almost everything the New Zealand environment can throw at them.

Vitreous enamel, is a long established and trusted finish for metal. It is entirely inorganic and the enamel coating is fused (i.e. not coated) to the metal substrate of the water heater at temperatures in excess of 900°C. This provides a durable, impervious, hygienic and hard finish to prevent rusting and corrosion.

Rheem Vitreous Enamel has been extensively tested in the laboratory and under actual field conditions for many years.

Rheem Vitreous Enamel water heaters provide the best corrosion resistance to a wide range of water conditions including varying pH levels , high chlorides, hard water and MIC (Microbiological Induced Corrosion) as found in part of the country and areas with untreated bore water.

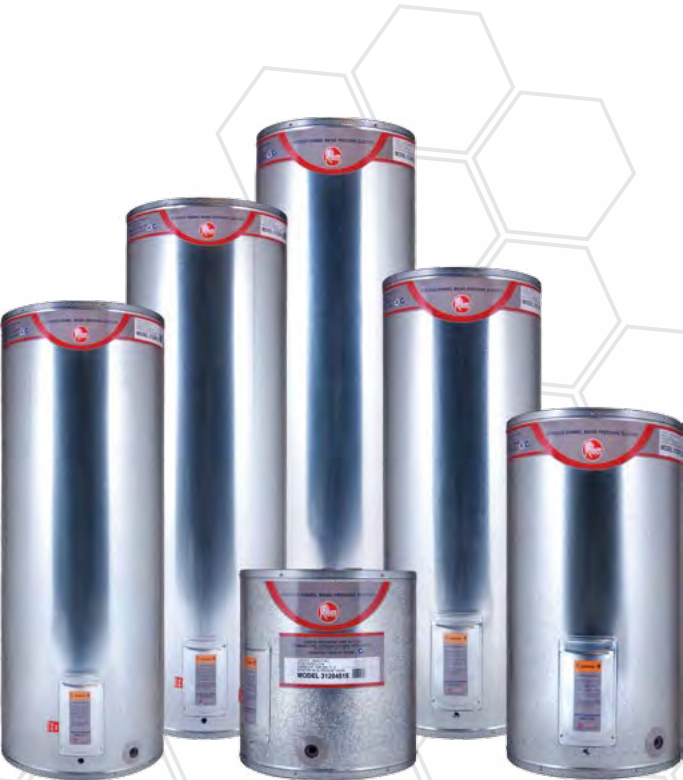
Rheem Vitreous Enamel Technology is tried and true - we've manufactured water heaters here in New Zealand since 1969. During that time we have continually developed our Vitreous Enamel technology and introduced higher resistant enamels and steel manufacturing techniques to produce a water heater seen as world leading technology.

## Rheem Mains Pressure Electric

- Abundant hot water
- Suitable for all water pressures
- Vitreous Enamel lined cylinder
- Twin & dual element models
- Can deliver up to 40 litres of hot water per minute
- NZ MEPS Compliant
- Suitable for a wide range of water conditions
- TPR valve setting: 1000 kPa
- All VE water heaters are fitted with a sacrificial magnesium anode to provide additional corrosion protection to the cylinder in adverse water conditions

People 1-7	25 - 300L	Indoor
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Refer to Page 23 for full specifications







# ELECTRIC LOW PRESSURE COPPER / VE

Low Pressure cylinders were the only option available until the 70's. Easily identified by the copper pipe protruding through the roof or a large pressure reducing valve on the inlet, the Rheem Low Pressure cylinders have stood the test of time.

They are still popular today and a good choice for wetback systems and where replacement is required at the lowest possible cost. Rheem now also offers low pressure VE models which can operate at higher pressure (120kPa) and are ideal for pumped systems and areas where water quality is poor. Available from 15L to 270L with wetback models starting at 135L.



Rheem Low Pressure (Copper)		
<ul style="list-style-type: none"><li>Choice of 3 inlets</li><li>NZ MEPS compliant</li><li>Tall, medium, short size options</li><li>Wetback models available</li></ul>		
People 1 - 6	15 - 350L	Indoor
Refer to Page 24 for full specifications		

Rheem Low Pressure (VE)		
<ul style="list-style-type: none"><li>Proven &amp; tested Vitreous Enamel Technology</li><li>Designed &amp; built to suit a wide range of water conditions</li><li>Designed to operate as Low Pressure Heavy Head - 120 kPa</li><li>Triple inlet as standard</li><li>NZ MEPS Compliant</li><li>7 Year Warranty*</li></ul>		
People 1 - 7	90 - 270L	Indoor
Refer to Page 25 for full specifications		



# GAS STORAGE RHEEM STELLAR

Rheem lead New Zealand's Gas Storage water heating design and development. Many consumers associate the Rheem name with electric water heating yet Rheem were the first to start manufacturing gas storage way back in 1969 in Wellington.

Advanced vitreous enamel lined cylinders, twin-flue kits, right through to large commercial storage systems, Rheem is proudly the leader in gas storage water heating in New Zealand.

Rheem Stellar can only be described as the “King” of gas water heaters. New Zealand's most efficient domestic gas storage water heater is designed for long life outdoor installation. The twin-flue design pulls the gas heated hot air through the unit twice to maximise efficiency. The exhaust temperature exits at a very safe 60°C through a very modern stylish exterior flue that looks the part.

Operating even when electricity is off, the Stellar delivers steaming hot water at 40 litres per minute, ideal for the modern home with high delivery tapware, massage showers and multiple bathrooms. If your home is heated with gas and you are cooking with gas then it makes sense to heat your water with gas.



Rheem Stellar		
<ul style="list-style-type: none"><li>No electricity required</li><li>Suitable for all water pressures</li><li>Most efficient domestic gas storage water heater</li><li>Advanced SuperFlue Technology</li><li>NZ MEPS Compliant</li></ul>		
People 2 - 6	130 - 160L	Outdoor
Refer to Page 26 for full specifications		

\*850330, 850360 made in Australia





# GAS CONTINUOUS FLOW

Rheem are world leaders when it comes to manufacturing continuous flow gas water heaters. World class Japanese built gas water heaters are sold to multiple countries on a global scale including the USA, and Rheem is proud to offer these in New Zealand. These advanced technically superior 'califonts' are available in 16, 20, 24 & 27 litre versions with three models that can be doubled via the Rheem Ezi-link system to provide 32, 40 or 54 litres per minute of hot water. These small unobtrusive units mount to the exterior wall of your home or commercial building with patented flame-safe technology unique to Rheem to keep your building safe. Rheem also offer a 27L/min indoor option.

Your plumber or our online product selector\* can help you choose the right unit to match your needs.

\*[www.rheem.co.nz/selector](http://www.rheem.co.nz/selector)



## 6 STAR RATING

This is achieved by reducing the amount of water used in start-up (less water wastage). Across all models.



## 10 YEAR WARRANTY

Rheem offer a 10 year warranty on the heat exchanger plus a 3 year warranty on parts and labour.



## i INSIDE

Rheem offers continuous blending which minimises cold spots and temperature fluctuations.



## FLAMESAFE PROTECTION SYSTEM

A unique Rheem safety protection feature that automatically shuts down the Rheem Continuous Flow Water Heater should a fault occur.



## TWICE THE FLOW

In homes where there is big demand for water, or in colder areas of the South Island where the ambient water temperature is low, two units (16, 20 & 27L models only) can be linked together using the Rheem EZ-link system to deliver twice the flow (32, 40 or 54 litres per minute).



## YOU'RE IN CONTROL

Optional intelligent soft touch control pads (Standard and Deluxe available) allow easy setting of safe temperatures. Deluxe controllers also offer a "bath fill" mode and shut off safety features.

## Outdoor 16L & 20L/min

Ideal for homes which require less demand or for the holiday house or bach. Fault display for easy fault diagnosis and service. Unique Flame Safe overheat protection system.



## Outdoor 24L/min

Our most popular continuous flow water heater. 24L per/ min. Digital display for easy fault diagnosis and service. Unique Flame Safe overheat protection system.



## Indoor 27L/min

6 Star efficiency. (Solar ready options - compatible with Solar systems) Indoor installation e.g. Hot water cupboard, roof space or garage. Centralised installation can minimise delivery delay to hot water outlets. Minimised risk of theft.



## Outdoor 27L/min

6 Star efficiency without the need for any additional valves. EZ-Link compatible (flexible delivery of any volume between 32 and 54 Litres/minute). Reduced water wastage - reduced flow during start-up.



## Optional Recess box

For outdoor installations where added protection from the elements or aesthetic design is required, the optional recess box is the perfect solution.



## Gas Continuous Flow

- Never run out of hot water<sup>1</sup>
- Range of capacities from 16 – 27Litres/Minute
- Ability to deliver up to 54L/Minute by linking two units with the Rheem EZ-Link system
- Flamesafe® overheat protection
- Digital display for easy fault diagnosis and service
- Frost protected down to -20°C (Standard for all models)
- Compact size models, perfect for any location with limited space
- Full technical support through the Rheem National Service Network
- Available to suit Natural Gas or LPG

1 - 2 Bathrooms	16 - 27L	Indoor / Outdoor
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Refer to Page 27 for full specifications

<sup>1</sup>Providing gas, water and power are available.





# ELECTRIC HEAT PUMP

## HDi-310

With up to 300% efficiency the Rheem heat pump is the most efficient water heater in the range. It delivers an abundance of hot water with running costs equivalent to roughly one-third of the traditional electric element water heater. For example, a family using 250 litres of hot water a day and paying 22 cents\*\* per kilowatt hour for their power can save up to \$800 a year. By using the available ambient heat in the atmosphere the typical heat pump uses 1kW of electrical energy to operate but produces an astonishing 3kW of heat transferred into the water. Excellent thermal insulation coupled with the latest refrigerant delivers maximum operational efficiency and long term reliability.

Heat pumps deliver similar benefits to solar without the need to install roof mounted solar panels. Environmentally friendly heat pumps are the future of water heating available now.

### HDi-310 Mains Pressure Heavy Duty Heat Pump

- Uses approximately a third the amount of electricity of a conventional electric water heater. Saving you up to two third's of your hot water energy cost (Reducing energy use and greenhouse gas emissions).
- Advanced single-pass top-down heating technology delivers hot water to the top of the tank, heating the tank from the 'top-down' and providing usable hot water faster.
- Fast recovery rate minimises Heat Pump operation, extending product life.  
The economical Rheem Heat Pump uses ambient heat from the atmosphere as its primary energy source.
- Packaged as two separate components and connected during installation for simpler handling, delivery and installation.
- Large 310 litre storage capacity and increased recovery rate.
- Element backup for breakdowns only.

People 3 - 7	310L	Outdoor Install
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Refer to Page 28 for specifications

### How much could you save?

Monthly Power Bill	Electric Hot Water	Heat Pump Hot Water	Est. Annual Savings*
\$100	\$40	\$13	\$320
\$200	\$80	\$27	\$639
\$300	\$120	\$40	\$959
\$400	\$160	\$53	\$1,279
\$500	\$200	\$67	\$1,598
\$600	\$240	\$80	\$1,918
\$700	\$280	\$94	\$2,238
\$800	\$320	\$107	\$2,557
\$900	\$360	\$120	\$2,877
\$1,000	\$400	\$134	\$3,197

\*Based on annual average heat pump water heater efficiency of 300%. Estimated annual savings have been rounded to the nearest dollar. Based on 22 cents per kW/h and 24 hour continuous tariff.

\*\*Prices may vary from region to region. For the most up to date pricing, check with your power company.



## MPi-325

Designed with the smaller family, or couple in mind, the MPi-325 can provide hot water at a third of the cost of a standard water heater. A smaller compressor allows a lower operating noise level making the MPi-325 one of the quietest on the market. The large 325 litre cylinder means the heat pump runs at a constant optimised rate topping up as water is drawn off. Although the cylinder is 325 litres, this system would suit a household using up to 250 litres of hot water per day.

A back up element is also standard with this model and the simple two piece design allows for easy installation by one person.

### MPi-325 Mains Pressure Heat Pump

- Whisper Technology
- Reduces greenhouse gas emissions
- Provides hot water at approximately 1/3 of the cost of a standard water heater.
- Smaller compressor makes for a lower operating noise level, making the MPi-325 one of the quietest on the market.
- Large 325 litre cylinder allows the heat pump to run at a constant optimised rate.

People 1 - 4	325L	Outdoor Install
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Refer to Page 28 for specifications







# RHEEM ON-TAP FILTERED, BOILING AND CHILLED WATER

## Stylish, Reliable Performance

The Rheem On-Tap filtered, boiling and chilled water delivery system is designed for the office, boardroom or the discerning home owner.

We live in a busy world where time, space and energy savings are important. The Rheem On-Tap is the perfect system that delivers filtered boiling and chilled water time after time from a sink or bench mounted tap that is both stylish and functional. Available with the chiller for refreshing, chilled water or without for ambient water. The choice is yours.

## Filtered

Filtered water is a must and The Rheem On-Tap 5 micron filter reduces chlorine taste and odour as well as lime-scale build-up.

This state of the art filter ensures you have clean, clear, pure water every time. You can taste the difference.

A filter light tells you when the filter is due to be changed and the simple filter system makes filter changes a breeze.

## Boiling

Delivering boiling water at the touch of a button, the Rheem On-Tap is on call when you need it. No waiting for kettles to boil and wasting valuable time. Delivering up to 170 cups per hour its perfect for many office or home demands.

So whether its break time in the workplace or time to cook or entertain at home the Rheem Boiling Water unit is your most versatile kitchen appliance delivering boiling water safely every time.



## Chilled To Perfection

Chilled water is a delicious, refreshing option. The Rheem On-Tap offers an optional state of the art chiller able to deliver cool refreshing filtered water. Perfect for those hot summer days.

## Flexibility and Style

The Rheem On-Tap two unit modular system gives high flexibility of installation, accessing under bench spaces that would not normally be possible with some other systems.

With auto calibration technology it will automatically set to boiling point at set-up no matter where in the world you are.

Stylish and flexible accessories include the sink-free kit which gives you the option to install your unit in the boardroom or island bench without the need of a sink.

## Energy Efficient

With an energy savings approach our designers have packed this product with energy saving features. The 7 day programmable timer means that you can have filtered boiling or chilled water when you want it and save energy when you don't. The ability to set your hot water between 70-99°C plus a selectable timer for sleep mode can reduce energy consumption by up to 40% over a normal week.

## Safety

Safety is paramount in today's fast paced environment and the Rheem On-Tap can deliver with a two fingered operation safety button activated at your discretion.

The safety button ensure young and at-risk alike are safe from inadvertently dispensing boiling water.

This no splash, drip free unit ensures safety at every step of operation.



On-Tap Aqua™ & Azure™	
<ul style="list-style-type: none"><li>• Premium 3 in 1 solution</li><li>• Available in two stylish tap designs</li><li>• Up to 170 cups of boiling water p/hr (170ml cup size)</li><li>• Sink-free options available</li></ul>	
Up to 170 Cups boiling water p/hr	Indoor Install
Refer to Page 29 for specifications	

\*Excludes Chiller







# LAZER<sup>®</sup> OFFICE & ECO

## Office

The Rheem Lazer Office offers style with efficiency. An attractive asset to any workplace kitchen or boardroom, Rheem Lazer Office is packed with performance features with a clean, sophisticated look.

Rheem Lazer <sup>®</sup> Office		
<ul style="list-style-type: none"><li>• Rheem Lazer Office is available in three and five litre capacities - equating to 20 to 35 cups of ready to use boiling water and up to 140 cups per hour.</li><li>• Two stylish finishes - powder coat white and brushed stainless steel.</li><li>• Integrated tap.</li><li>• Good Design Award Winner.</li></ul>		
Up to 140 Cups p/hr	3 - 5L	Indoor Install
Refer to Page 30 for specifications		



## Eco

Rheem Lazer Eco is a cost-effective boiling water powerhouse designed for a wide range of installations such as the workplace or sports club. It's easy to use with a one-touch button to switch on "Eco Mode" which automatically turns the Lazer Eco off after two hours of no use, reducing power consumption.

Rheem Lazer <sup>®</sup> Eco		
<ul style="list-style-type: none"><li>• "Eco Mode" can reduce energy use by over 40%.</li><li>• The indicator light shows red when heating and green when in energy conservation "Eco Mode", so you can see what it's doing at a glance.</li></ul>		
Up to 155 Cups p/hr	3 - 7.5L	Indoor Install
Refer to Page 30 for specifications		



# LAZER<sup>®</sup> COMMERCIAL

## Commercial

The Rheem Lazer Commercial is a high capacity boiling water system designed for the demands of a busy workplace, sports club, conference centre and more.

Rheem Lazer <sup>®</sup> Commercial		
<ul style="list-style-type: none"><li>• The Lazer Commercial range has capacities of 7.5, 10, 15, 25 and 40 litres that can deliver from 155 - 355 Cups per hour.</li><li>• Fast flow tap.</li><li>• Available in White and Stainless Steel.</li></ul>		
Up to 355 Cups p/hr	7.5 - 40L	Indoor Install
Refer to Page 30 for specifications		



# ZIP<sup>®</sup> BOILING WATER UNIT

Rheem New Zealand manufactures a range of "Zip" above bench product that is filled and switched manually. The unit is filled via an external tap until the required level is reached as viewed in the sight glass. To boil the water, simply press the manual start switch. The unit will automatically switch off once the water has boiled.

Zip units have delivered boiling water tirelessly throughout New Zealand for generations. They are an ideal and economical option for halls, clubs and factories or anywhere boiling water is required infrequently. Today the Zip product is available in 5 capacities from 4.5 to 34 litres.







# SOLAR RHEEM PREMIER

Free energy from the sun. Closed loop split solar is Rheem NZ's Premier Solar system which is designed for top performance in our environment, even when it is frosty or water quality is poor.

The highly efficient T200 collector with a heat exchange cylinder stores 270 litres of hot water. The closed system uses heat transfer fluid (glycol) similar to anti freeze used in car radiators, this protects the system from freezing or calcium formation due to poor water quality, freezing or stagnation. Sacrificial anodes in the vitreous enamel lined storage tank offers long term reliability.

We advise that all solar systems be backed up with an alternative heating system, either internal electric element or gas continuous flow - natural gas or LPG. This is essential to ensure hot water availability on poor weather days or when stored water temperature drops below 58°C.

Rheem offer a range of solar ready storage tanks allowing you to future proof your home and or allowing for solar conversion when you are ready to make the change.



Rheem Premier Solar		
<ul style="list-style-type: none"><li>• Cut hot water heating costs by up to 70%</li><li>• Drain Back protection</li><li>• Option of electric or gas boosting</li><li>• Over heat protection built-in</li><li>• Storage cylinder can be installed indoors or outside your home</li><li>• TPR valve setting: 1000 kPa</li></ul>		
People 1 - 7	270L	Indoor/Outdoor
Refer to Page 31 for full specifications		

See [www.niwa.co.nz](http://www.niwa.co.nz) for the sunshine hours in your area.



# RAYPAK POOL & SPA HEATING

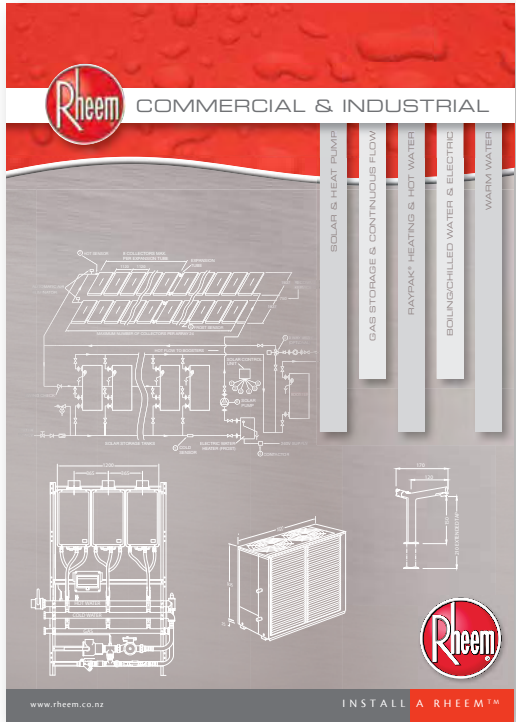
**Models 200, 230 & 430 - Residential**  
Rheem Raypak residential pool and spa heaters are capable of heating the biggest or smallest of pools and spas, extending your swimming time and enjoyment.

**Models 280 & 430 - Premium**  
Rheem Raypak Premium pool & spa gas heaters are built to meet the toughest of operating conditions & environments as well as suitable for small to medium commercial installations.



Pool Heater Residential 200, 280, 350 & 430 Premium 280 & 430
<ul style="list-style-type: none"><li>• Cupro-nickel heat exchanger for greater protection against corrosion</li><li>• Energy-saving 'hot surface ignition'</li><li>• Remote control connection available as an option</li><li>• Suitable for either indoor or outdoor installations (Outdoor hood supplied standard with heater)</li></ul>
Refer to Page 32 for specifications

Spa Heater Spartan 131, Premium 127 & 167
<ul style="list-style-type: none"><li>• Digital thermostat display</li><li>• Integration capabilities with other pool &amp; spa control equipment</li><li>• Energy-saving 'hot surface ignition'</li><li>• Remote control available as an option</li><li>• Suitable for outdoor installations only</li></ul>
Refer to Page 32 for specifications



If you require more detailed information on Rheem commercial products - we have a commercial and industrial brochure available. Call 0800 657 336