Reccomended by GEN LESS

Hot Water Savings at Your Fingertips

Smart Phone Controlled Hot Water Heat Pumps

ecospring HOT WATER SYSTEMS

Learn more at ecospring.co.nz

Smart. Efficient. Made for New Zealand.

Designed by Kiwis, for Kiwi homes. The EcoSpring isn't just a heat pump, it's a smarter way to heat water and manage home energy use. EcoSpring naturally harnesses thermal energy from the air heating water at a fraction of the cost of a traditional cylinder. All while delivering hot water whenever you desire.

1 Cut the Cost

Save up to 70% on water heating. That's real money back in your pocket.

2 Your Phone = Your Control Panel

Remote access through the Smart Life app lets you adjust water temperature, change modes and set timers all from the convenience of your mobile phone.

3 Heat from Thin Air

Pulls free energy from the air. Renewable, reliable and ridiculously efficient.

4 Pays for Itself

In just four years (or faster, depending on use), your EcoSpring has paid you back.

(subject to usage).

5 Timer On. Costs Down.

24-hour programmable control lets you target warmer times of day and avoids night-time noise.

6 Quiet as a Whisper

At 43 dBA, it's more hush than hum. You won't even hear it.

(*Measured one metre from unit)

Pocket Full of Power

With the Smart Life app, the EcoSpring can be fully managed with a Smart Phone, putting total control and bigtime savings in the palm of your hand.

Available on the App Store

GET IT ON Google Play

The Energy Equation

A heat pump is like an energy amplifier. From 1 kW of power input, it can create over 4.15kW of output heat. That's a remarkable performance efficiency of over 400%. Conventional electric storage water heaters can only convert 1 kW of input power into 1 kW of output heat.

3.15kW

Air Temperature Input (Free energy)

1.0kW

Electricity Input

4.15kW

Hot Water Output

1.0kW Electricity Input + 3.15kW Atmospheric Heat Input = 4.15kW Hot Water Output

"We installed an EcoSpring in our home which was designed to 8 Homestar rating, as well as being a Positive Energy Passive House. Not only has it contributed to our goal of low energy consumption, but it has also impressed us with its quietness, ease of operation and quick recovery time. We have already recommended it to others and would gladly choose to install one in future projects."

— Lee Ann and Murray Durbin, The Ideal House

8 homestar Design

Ideal House - 8 homestar rated

Works Like a Fridge in Reverse

EcoSpring works like magic, only it's pure physics. A fan draws in air. A refrigerant amplifies the heat. A condenser transfers it to your water tank. And voila - hot water from ambient air.

1. A fan pulls in air containing heat energy across the evaporator.
2. The evaporator turns the liquid refrigerant into a gas.
3. The compressor converts refrigerant into high temp / high pressure gas.
4. The hot gas inside the condenser coil heats the water inside the tank.
5. The refrigerant reverts back to a liquid after heating the water & returns back to the evaporator for the process to start again.

Mains Pressure Required

Read it and Reap ...the Benefits

EcoSpring hot water heat pumps are more efficient than natural gas, electric cylinder and LPG options. In fact, EcoSpring running costs are in the league with many solar options...without solar set up costs. Check it out for yourself.

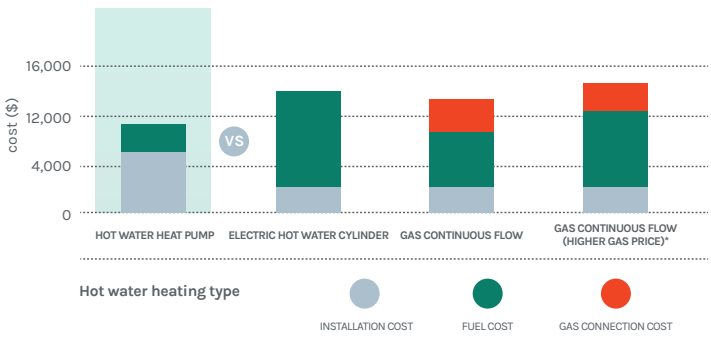
Comparision of household water heating

	Unit and Installation cost	Running cost p/y		kg CO2 emissions
HOT WATER HEAT PUMP	$7,500	$333		149
ELECTRIC HOT WATER CYLINDAR	$3,000	$7,500		527
GAS CONTINUOUS FLOW	$3,000	$1,071	$706*	969

*EXCLUDES ANNUAL GAS CONNECTION COST

Very low — High

Total estimated cost over 10 years



Source: https://www.eeca.govt.nz/insights/eeca-insights/hot-water-heat-pumps-in-the-home/#7668

EcoSpring Models

The EcoSpring Heat Pump Hot Water Cylinders come in two sizes.

ECOS270 - 270 litre model designed for a standard New Zealand household of 3-4 people with average water use.

ECOS200 - 200 litre model suited for smaller households of 1-2 people with average water use.

Both have the same great technology to save money on heating water.

ECOS270

270 Litre Cylinder

Suitable for 3-4 person household with average water use

ECOS200

200 Litre Cylinder

Suitable for 1-2 person household with average water use

Endorsed by Tradies. Loved by Homeowners.

For over 15 years EcoSpring has been endorsed by all major plumbing merchants. With feedback from Kiwi plumbers, EcoSpring's fittings are now easier to access, quicker to install and faster to service. That means smoother installs and fewer callouts, quicker service and happy home owners.

Smarter Tech. Cleaner Future.

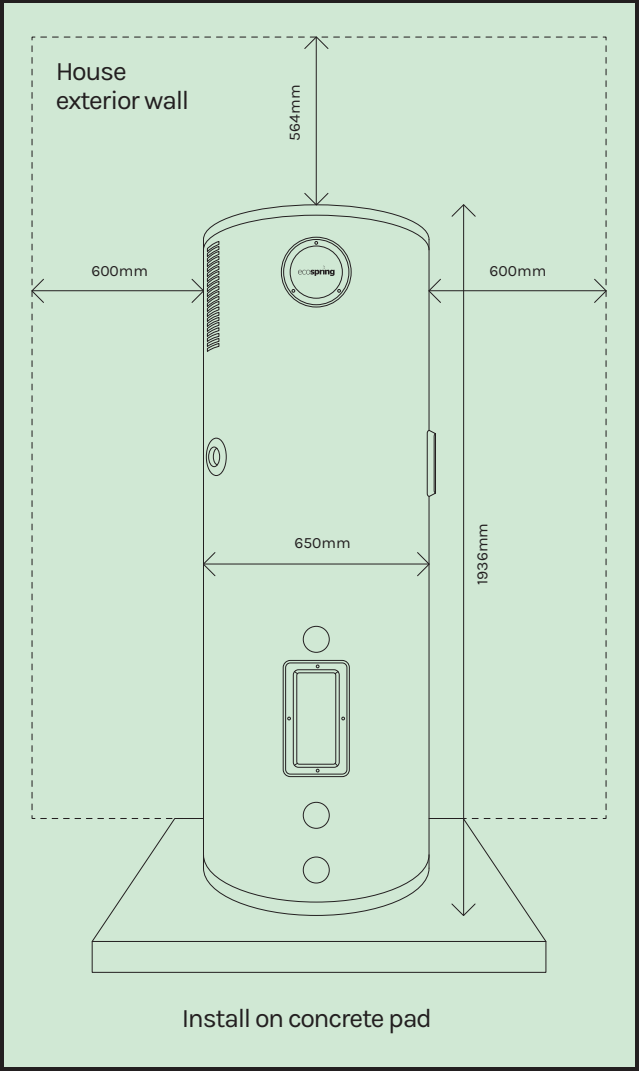
The new EcoSpring is now R290 compliant—delivering even lower emissions and higher efficiency. It's our cleanest, greenest system yet. And it's controlled right from your mobile phone.

Peace of Mind, Locked In.

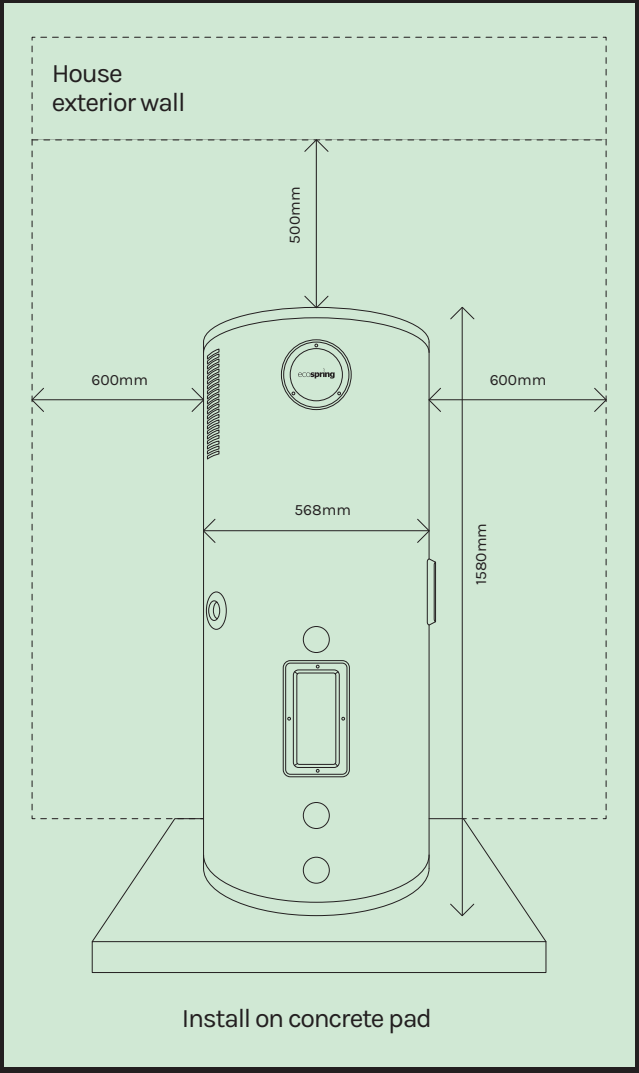
With our EcoSpring annual service plan, it's easy to maintain peak performance and maximum efficiency. Fewer surprises, longer product life and peace of mind...it all comes standard with an EcoSpring.

Dimensions & Installation

ECOS270



ECOS200



Install Recommendations

Install on north facing side of property.

Adhere to clearances surrounding the unit.

Interior installation – Please contact us at 0800 200 510 for requirements.

Install on a concrete pad.

Refer to the User manual for full installation details.

Specifications

Model	ECOS270	ECOS200
Power supply	220V-240V/50HZ	220V-240V/50HZ
Rated Input Power (Heat pump)	1.2KW	1.2KW
Rated Input Current (Heat pump)	5.3A	5.3A
Rated Heating Capacity (Heat pump)	2.78KW	2.78KW
Rated Input Power (Resistance)	1.8KW	1.8KW
Rated Input Current (Resistance)	7.5A	7.5A
Max Current (HP&Resistance)	14A	14A
Water tank volume	270L	210L
Recovery Rates (lires per hour)	60	60
COP (A 20/15, W 15-55)*	4.15	4.15
STC in zone 4	31 or 32	31 or 32
Refrigerant	R290 (400g)	R290 (400g)
Compressor	GMCC / Rotary	GMCC / Rotary
Expansion valve	EEV	EEV
Fan	Axial	Axial
Ventilation	Horizontal discharge	Horizontal discharge
Heat exchanger	Microchannel / Wrap around tank	Microchannel / Wrap around tank
Inner tank material	Enamel	Enamel
Inner tank thickness	Dome 3.0mm / Wall 2.5mm	Dome 3.0mm / Wall 2.5mm
Inner tank type	Concave	Concave
Insulation / thickness	Polyurethane / 40mm	Polyurethane / 40mm
Outer Casing	Galvanized painted sheet	Galvanized painted sheet
PTR valve	850KPA	850KPA
Rated Outlet Water Temperature	60°C	60°C
Max Outlet Water Temperature	75°C	75°C
Working range with element	-15°C - 43°C	-15°C - 43°C
Working range without element	-7°C - 43°C	-7°C - 43°C
IP Class	IPX4	IPX4
Unpacked Dimension (outdoor unit)	620mm x 1875mm	620mm x 1555mm
Packed Dimension (outdoor unit)	700mm x 700mm x 1975mm	700mm x 700mm x 1655mm
Net Weight	119kg	100kg
Gross Weight	139kg	118kg
Noise (Measured one metre from unit)	43dBA	43dBA
Warranty	5-Year	5-Year

*COP (A 20/15, W 15-55) = Dry bulb temperature: 20°C / Wet bulb temperature: 15°C / Initial water temperature: 15°C / Final water temperature: 55°C

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ECOSPRING 5-YEARS WARRANTY

parex

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