



AIR TO ENERGY

THE THERMAL BATTERY

HIGH EFFICIENCY HOT WATER SYSTEM



80% UP TO
SAVING

ENJOY MORE ENERGY
SAVINGS ON OUR 300L
SYSTEM (COP 5.21).

WHY H2O VAULT HEAT PUMP

20% UP TO
EXTRA REBATE

MORE STC REBATES COMPARED
TO OTHER SIMILAR HEAT PUMP
PRODUCTS ON THE MARKET

5 YEAR EXCLUDING PLUMBING
ACCESSORIES
WARRANTY

5-YEAR SYSTEM
WARRANTY WITH
LOCAL SUPPORT

30% UP TO
**LESS
INSTALLATION COST**

REDUCE INSTALLATION TIME
BY UP TO 30% WITH OUR
OPTIONAL QUICKIES KIT.

-10°C
**EXTREMELY
RELIABLE**

E-HEATER MODE SWITCHING WHEN
TEMPERATURES BELOW -10°C

480 HOURS
**EXTREMELY
ROBUST**

5% HYDROCHLORIC ACID SALT
SPRAY TEST WITH NO CORROSION.



FEATURES



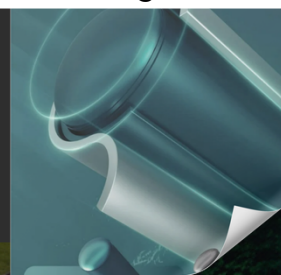
Micro Channel Condenser

Micro Channel Condenser boosts efficiency with faster heat transfer, reduced energy use, and enhanced durability against corrosion.



Blue Diamond Coating

Featuring **American Ferro enamel** and Blue Diamond coating for superior durability and resistance



Powerful Heart R290 Compressor

Our high-efficiency R290 Compressor ensures energy savings with a COP of 5.23, delivering robust heating and reliability.



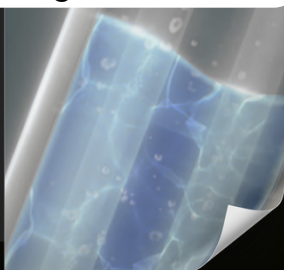
Plug & Play

Our 190L model includes a standard 10-amp rewirable plug, ensuring flexible electrical connections.



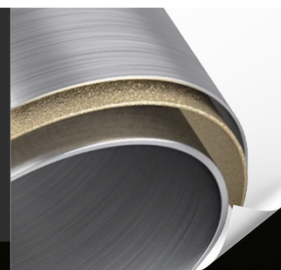
Auto Disinfection - Legionella Proof

H2O Vault HP's Legionella Proof function automatically regulates temperature to eliminate bacteria, ensuring safe, healthy hot water.



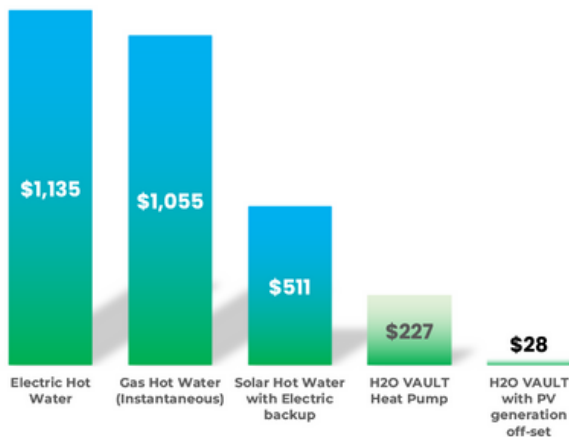
Multi-Layer Construction

H2O Vault HP features BTC steel and **German insulation foaming machines**, ensuring durability and up to a 15-year lifespan.

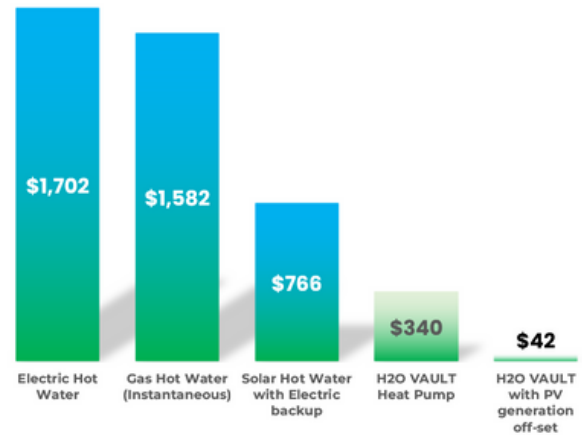


What is a "Thermal Battery"?

~200L Daily Usage



~300L Daily Usage



H2O Vault heat pumps not only save more on costs by working with existing solar systems but also provide more STCs due to their higher performance.

Since the heat pump uses excess solar power during the day to store heat for use at night, it acts as a thermal battery. The cost savings could be equivalent to those of a solar battery.

Disclaimer: The cost estimates (300L Tank) provided are based on average utility rates of \$0.35/kWh for electricity, \$0.27/kWh for gas, and a solar feed-in tariff of \$0.07/kWh. Actual costs may vary depending on individual usage patterns, local energy prices, and other factors. These figures are intended for comparative purposes only and should not be considered as guarantees of actual running costs. Please consult your local utility providers to determine precise rates applicable to your area.

HOW A HEAT PUMP WORKS



- A heat pump water heater absorbs warmth from the air and transfers it into the water.
- It captures heat from its surroundings and passes over the evaporator, converting the liquid refrigerant into gas.
- The compressor pressurizes the refrigerant gas, heating it up.

- The hot gas flows through the condenser coil, transferring heat to the water inside the coil-wrapped tank, and heating the water.
- The refrigerant reverts back to a liquid after heating the water, returning to the evaporator to begin the process again.
- The H2O heat pump heater can consume 1 kW of electricity to generate 5 kW of heat, showcasing its superior efficiency.



H2O Vault heat pumps include Small-scale Technology Certificates (STCs), significantly reducing your initial costs. STCs are government incentives designed to encourage the use of energy-efficient technologies. Different regions, known as STC zones, provide varying certificate values. Our heat pumps generate more STCs compared to competitors, ensuring you benefit from the highest rebates and savings possible.

Rebates & Dimension



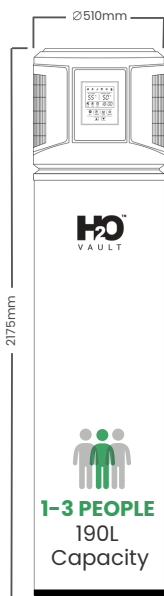
H2O MODELS

Model	D	H
H2O-190/N6A1	510mm	2175mm
H2O-300/N6D1	640mm	2010mm

| 2024 Version

H2O 190/N6A1

Certificate (190L)	Type	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
Energy savings (%)	AS/NZS 4234:2008 (Medium load)	81.00%	79.30%	79.50%	78.30%	77.20%
	AS/NZS 4234:2021 (Medium load)	/	/	79.30%	78.20%	77.10%
STC	10-year	28	27	33	36	36
	7-year STC entitlement (2024)	19	18	23	25	25
VEEC 1D Replace Electric	Metro	/	/	/	17	17
	Regional	/	/	/	18	18
VEEC 3C Replace Gas	Metro	/	/	/	8	8
	Regional	/	/	/	8	8
ESC D17 Replace Electric	Metro	/	/	46	/	44
	Regional	/	/	47	/	45
ESC D19 Replace Gas	Metro	/	/	25	/	23
	Regional	/	/	25	/	23

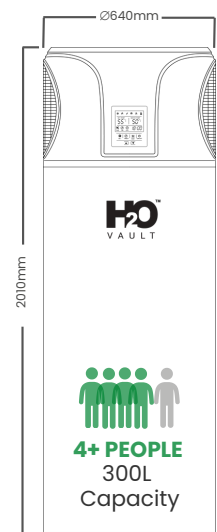


190/N6A1

| 2024 Version |

H2O 300/N6D1

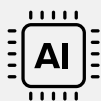
Certificate (300L)	Type	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
Energy savings (%)	AS/NZS 4234:2008 (Medium load)	79.30%	75.40%	77.40%	75.50%	73.80%
	AS/NZS 4234:2021 (Medium load)	/	/	77.00%	75.20%	73.10%
STC	10-year	27	26	32	35	34
	7-year STC entitlement (2024)	18	18	22	24	23
VEEC 1D Replace Electric	Metro	/	/	/	16	16
	Regional	/	/	/	17	17
VEEC 3C Replace Gas	Metro	/	/	/	8	7
	Regional	/	/	/	8	7
ESC D17 Replace Electric	Metro	/	/	45	/	42
	Regional	/	/	46	/	43
ESC D19 Replace Gas	Metro	/	/	24	/	21
	Regional	/	/	24	/	21



300/N6D1



5 years warranty



High efficiency energy saving mode



Up to 80% cheaper to run compared to standard electrical hot water heater systems including government incentive.

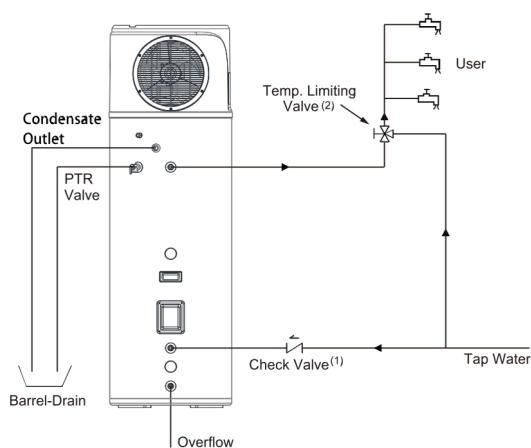


Solar Ready System running as thermal battery to overall running cost.

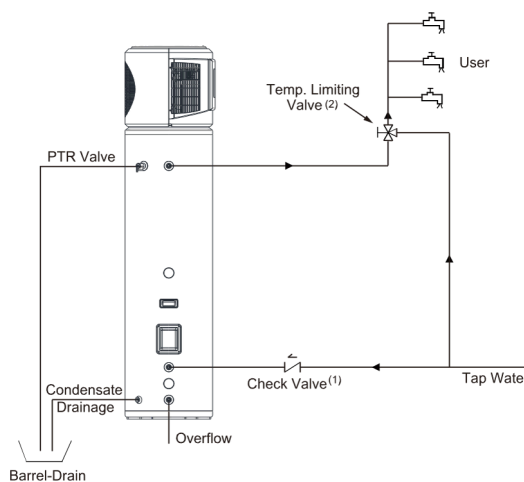


Piping Diagram

300/N6D1 Piping Diagram



190/N6A1 Piping Diagram



Disclaimers:

- * All images used are for illustrative purposes only
- * Products and specs are subject to change without notice



Model		H2O-190/N6A1	H2O-300/N6D1
Power supply		220-240V~, 1Ph, 50Hz	220-240V~, 1Ph, 50Hz
Water tank volume	L	190	300
EBH (Electric Backup Element)	kW	1.5	2.0
Average input power (Heat pump only)	W	350	480
Max input power (Heat pump)	W	585	890
COP		5.00	5.21
Max. input power	W	2,085	2,890
Max. current	A	9.7	13.30
Working ambient temperature (Heat pump only)		-10°C to 43°C	-10°C to 43°C
Sound pressure level	dB(A)	48	49
Max. water supply pressure	MPa	0.85	0.85
Water resistance		IPX4	IPX4
Refrigerant type		R290	R290
Throttling type		Electric expansion valve	Electric expansion valve
Compressor			
Model		8.9CC	13.5CC
Type ×Quantity		Rotary ×1	Rotary ×1
Tank			
Inner tank material		Enamel	Enamel
Max inner tank pressure	MPa	0.85	0.85
Insulation		Polyurethane	Polyurethane
Outer tank material		Galvanized steel	Galvanized steel
Condenser coil		Microchannel wrap-around to tank	Microchannel wrap-around to tank
Corrosion proof		Magnesium anode	Magnesium anode

Powered by Air-to-Energy Technology:
H2O Vault's High Efficiency Hot Water System

Heat to Outsmart



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