

WATERWARE

PLUMBING



RITTER
HOT WATER



HIGH TEMPERATURE HOT WATER HEAT PUMP

waterware.co.nz

Ritter Hot Water

CE, CB certified, R134a refrigerant, COP 4.6

Hot Water up to 70 °C

HeatSpring Series is a reliable, safe, and energy-saving product in the water heating industry for domestic & light commercial applications.



Operation Ambient Temperature

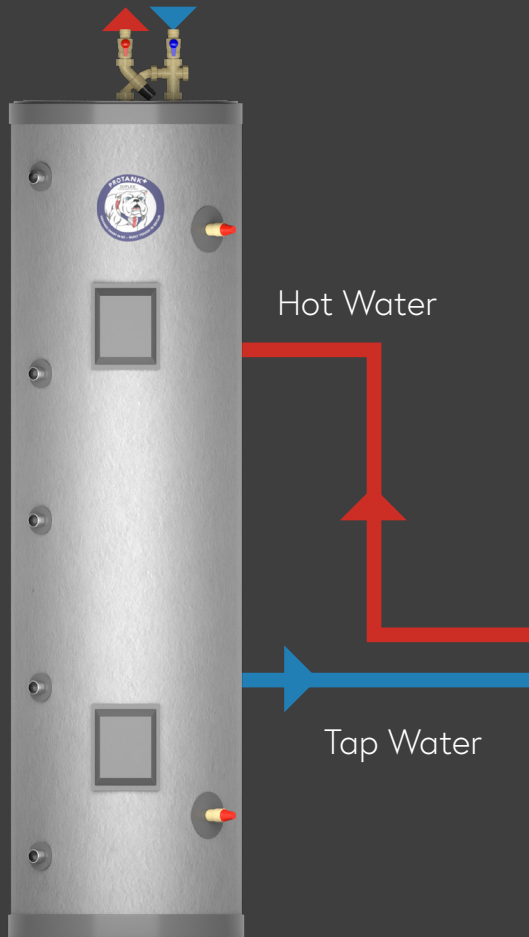
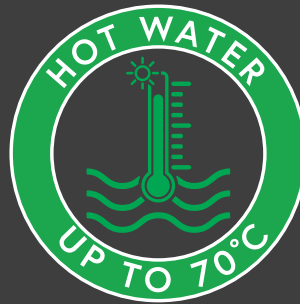
From -7° to 45°C

Operation Range

The Ritter Hot Water can maintain stable and efficient performance in a wide ambient temperature from -7°C to 45°C, providing a wider range of applications for domestic & light commercial sanitary hot water heating.

High-Temperature Hot Water Supply

Being ahead of the average water heater on the market, the outlet water temperature of the Ritter is up to 70 °C. It's high heating performance not only greatly fulfills the daily demand for sanitary hot water, but also constantly kills Legionella bacteria in the tank, adding safeguards to the health of family members.



PROTANK+
Hot Water Tank

Application

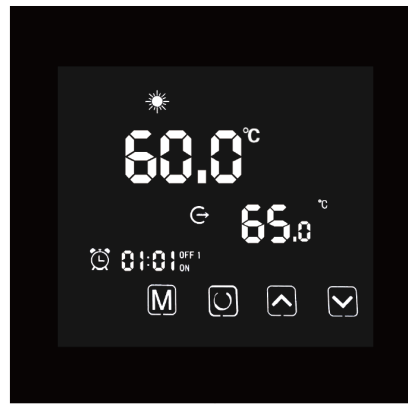
Heat Pump With Electric Water Heater

The Ritter Hot Water can provide sanitary hot water for shower and washing in domestic applications, and light commercial applications such as restaurants and salons.



System Control

Ritter Hot Water has a self-developed PCB, that can operate the heat pump unit in combination with other heat sources via Modbus RS485 meanwhile support various wired displays include LCD, LED, color touch display with significant functions like Fast Heating, Timer, PV-Ready and Remote upgradation etc.



Remote Upgrades



Timer



Fast Heating



PV Ready

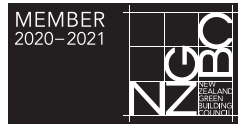
Reliable Components

Ritter Hotwater uses high-efficiency DC motors. When working at a high ambient temperature, the DC motor can slow down the fan speed to reduce the evaporation and avoid overload of the compressor, which considerably saves energy. Additionally, the water pumps are from the global pump leader Grundfos. It's made of composite anti-corrosive material that has higher temperature resistance and longer service life.

Specifications

Model	PASHW020B-GX	
Hot Water Capacity	kW	7.5
Power Input	kW	1.63
COP	WW	4.6
Hot Water Volume	L /h	161
Max. Power Input	kW	2
Max. Running Current	A	12
Water Flow Volume	m3/h	1.3
Water Pressure Drop	kPa	53
Power Supply	V/Ph/Hz	230V~/50Hz
Compressor Quantity	/	1
Compressor Brand	/	mitsubishi
Throttle Device	/	Electronic Expansion Valve
Fan Quantity	/	1
Water Pump Quantity	/	1
Water Pump Brand	/	Grundfos UPS015-60CIL2
Fan Motor Input	W	40
Water Connection	/	3/4 inch
Noise	dB(A)	53
Air Volume	m3/h	800-2000
Air Discharge Type	/	Horizontal
Max.Outlet Water Temp.	°C	70°C
Operation Range	°C	-7°C ~ 45°C
Condenser	/	Patented tube in Shell Heat Exchanger
Evaporator	/	Hydrophilic Aluminum Finned Heat Exchanger with Special Coating/Gold and Blue Color for Option
Defrosting	/	4-Way Valve
Controller	/	Mutil-function Controller
Display	/	LCD display (Display can be customized)
Refrigerant	/	R134a
Cabinet	/	Attractive Plastic Cabinets
Net Weight	Kg	66
Gross Weight	Kg	78
Net Dimensions(L/W/H)	mm	1000*405*585
Shipping Dimesions(L/W/H)	mm	1130*435*615

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