
HOT WATER
SYSTEMS
THERMANN™
thermann.com.au

HOT WATER YOU CAN DEPEND ON

Precision engineered for efficiency and long life, Thermann is setting new standards for hot water systems in Australia. Packed with innovative features and proven technology, Thermann delivers the ultimate hot water experience everyday. What's more, Thermann is committed to total customer care, so you'll enjoy market-leading warranties and full after sales support for many years to come.


THERMANN
THERMANN™ 26
GAS CONTINUOUS FLOW

CONTENTS

Residential Range

ELECTRIC STORAGE SMALL
HOT WATER SYSTEM

Thermann small Electric Storage hot water units allow you to install Hot water where space and access is restrictive. With its "V fit" configuration, inlets and outlets are configured for ease of installation. Available in 'appliance white' for a more aesthetically pleasing unit.

- 50L boasts a compact 670mm height, promoting its ability to fit into tight cupboards.
- V-Fit plumbing connections provide better access for easier installation
- Available in hard wired or plug in models.

SPECIFICATIONS

Electric Tank

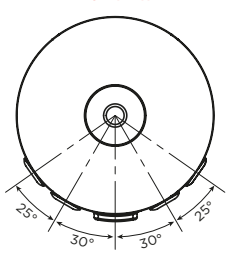
Measurements (mm)	25L	50L
Total Height (A)	455	670
Total Diameter (B)	405	405
Outlet Height (C)	275	490
Inlet Height (D)	145	145
Electrical Entry (E)	70	70
Element Angle (K)	55°	55°
Storage Capacity (litres)	31	50
Hot Water Delivery (litres)	25	50
Net Weight Empty (kg)	17	23
Element Size (kW)	2.4*, 3.6	2.4*, 3.6
Relief Valve		
Pressure (kPa)	1000	1000
Max Inlet Pressure		
Without an ECV (kPa)	800	800
With an ECV (kPa)	650	650

*2.4kW plug in only

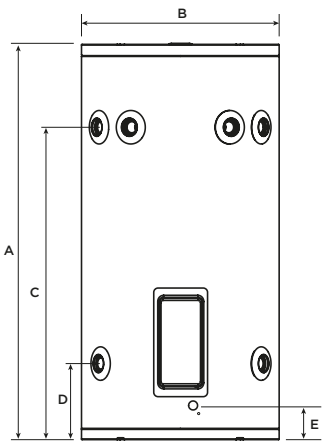
Selecting the right unit for you

	25L	50L
Inlet/Outlet	Dual Handed	Dual Handed
No. People (continuous)	-	1
No. People (off peak)	-	-

TOP VIEW



SIDE VIEW



7 YEAR QUALITY GUARANTEE
Tank

1 YEAR QUALITY GUARANTEE
Parts and labour

DESIGNED IN AUSTRALIA

ELECTRIC LARGE
HOT WATER SYSTEM

Thermann electric storage hot water units are an insulated storage vessel efficiently storing hot water, ready for use, when you need it. The Thermann range of electric water heaters offer solutions in eight different sizes to suit your needs.

RANGE FEATURES

- Commercial grade enamel and a thicker anode
- Easy installation, with water connections on both sides of tank
- Full flow pressure to all outlets
- Australian made
- A hard-wearing tough polymer base resists damage and is rust proof
- 50mm thick, dense foam insulation for less heat loss and lower running costs
- Can be installed indoors or out

SPECIFICATIONS

Electric Tank

Measurements (mm)	80L	125L	160L	250L	315L	400L
Total Height (A)	925	1090	1315	1445	1765	1705
Total Diameter (B)	490	530	530	620	620	705
Outlet Height (C)	735	865	1095	1210	1530	1445
Inlet Height (D)	160	190	190	195	195	220
Electrical Entry (E)	85	100	100	105	105	130
Element Angle (K)	55°	55°	55°	72°	72°	72°
Storage Capacity	88	130	161	259	321	415
Hot Water Delivery	80	125	160	250	315	400
Net Weight Empty	41	51	59	72	93	115
Element Sizes (kW)	3.6	1.8, 3.6	2.4, 3.6	3.6	3.6	3.6
Relief Valve						
Pressure (kPa)	1000	1000	1000	1000	1000	1000
Max Inlet Pressure						
Without an ECV (kPa)	800	800	800	800	800	800
With an ECV (kPa)	650	650	650	650	650	650

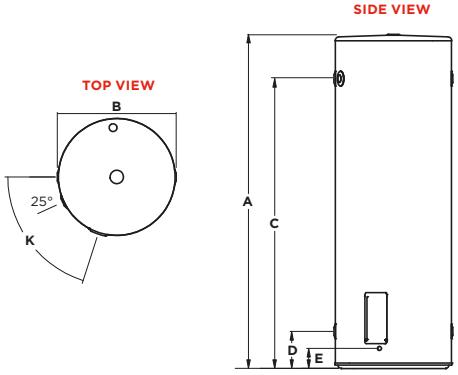
10 YEAR QUALITY GUARANTEE — Tank

1 YEAR QUALITY GUARANTEE — Parts and labour

MADE IN AUSTRALIA

Selecting the right unit for you

	80L	125L	160L
Inlet/Outlet	Dual Handed	Dual Handed	Dual Handed
No. People (continuous)	1-2	2-3	2-4
No. People (off peak)	-	-	-
	250L	**315L**	**400L**
Inlet/Outlet	Dual Handed	Dual Handed	Dual Handed
No. People (continuous)	3-5	4-6	5-9
No. People (off peak)	1-3	2-4	4-6



Thermann twin element electric water heaters

Feature a secondary 'top' element, to heat an additional capacity of water to reduce the chance of running out. This is often referred to as a 'boost capacity', and can be continually heated as hot water is used.

TWIN ELEMENT FEATURES

- Cost effective – primary heating with off-peak and a continuous backup supply
- Flexible – ideal for varying hot water loads
- Limited tariffs – perfect for regions where extended off-peak tariffs are unavailable
- Space efficient – for when there's no room for a larger tank
- Fast hot water – the boost capacity can be heated (and reheated) quickly

SPECIFICATIONS

Electric Tank - Twin Element

Measurements (mm)	250L	315L	400L
Total Height (A)	1445	1765	1705
Total Diameter (B)	620	620	705
Cold Water Inlet (C)	195	195	220
Hot Water Inlet (D)	1210	1530	1445
Electricity Entry (E)	105	105	130
Storage Capacity (L)	259	321	415
Hot Water Delivery Rating (L)	250	315	400
Boost Capacity (L)	50	50	80
Net Weight Empty (kg)	72	93	115
Element Sizes (kW)	2 x 3.6kW	2 x 3.6kW 2 x 4.8kW	2 x 4.8kW
Relief Valve			
Pressure (kPa)	1000	1000	1000
Max Inlet Pressure			
Without an ECV (kPa)	800	800	800
With an ECV (kPa)	650	650	650

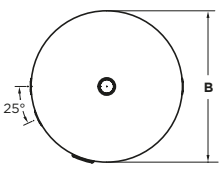
All Thermann residential electric storage water heaters are dual-handed for ease of installation and operate at 240V AC single phase electricity supply.

10 YEAR QUALITY GUARANTEE
Tank

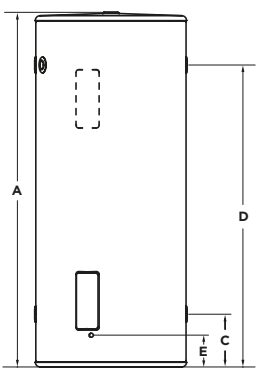
1 YEAR QUALITY GUARANTEE
Parts and labour

MADE IN AUSTRALIA

TOP VIEW



SIDE VIEW



SMART ELECTRIC
HOT WATER SYSTEM

Discover Thermann Smart Electric for ultimate hot water control and energy efficiency. With built-in Wi-Fi and the Thermann Control app, your customers will have greater control than ever before. Experience the future of hot water management.

ALLOWS YOUR CUSTOMERS TO:

- Choose from four convenient modes: Manual, Eco, Holiday, and Schedule
- Track their energy use and power costs
- Schedule Mode: Schedule heating for optimal efficiency, e.g. when PV solar is available or power tariffs are lowest
- Manual Mode: Lower tank temperature to maximise savings, while keeping anti-legionella cycle
- Holiday Mode: Remotely turn the water heater on or off
- Eco Mode: Use machine learning to predict usage patterns for minimal energy consumption

SPECIFICATIONS

Smart Electric Tank

Measurements (mm)	80L	125L	160L	250L	315L	400L
Total Height (A)	925	1090	1315	1445	1765	1705
Total Diameter (B)	490	530	530	620	620	705
Outlet Height (C)	735	865	1095	1210	1530	1445
Inlet Height (D)	160	190	190	195	195	220
Electrical Entry (E)	126	135	135	140	143	168
Connections	90°	90°	90°	90°	90°	90°
Storage Capacity	88	130	161	259	321	415
Hot Water Delivery	80	125	160	250	315	400
Net Weight Empty	41	51	59	72	93	115
Element Size (kW)	1.8, 2.4, 3.0	1.8, 2.4, 3.0	1.8, 2.4, 3.0	1.8, 2.4, 3.0	1.8, 2.4, 3.0	2.4, 3.0
Relief Valve						
Pressure (kPa)	1000	1000	1000	1000	1000	1000
Temperature (°C)	99	99	99	99	99	99
Power Rating (kW)	10	10	10	10	10	10

Download the Thermann Control app:

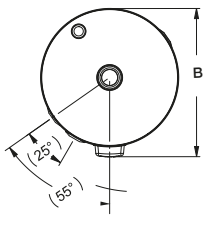
10 YEAR QUALITY GUARANTEE
Cylinder

3 YEAR QUALITY GUARANTEE
Parts and labour

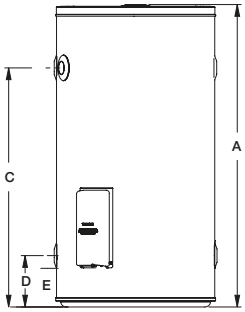
1 YEAR QUALITY GUARANTEE
Other parts and labour

MADE IN AUSTRALIA

TOP VIEW



SIDE VIEW



THERMANN
SMART ELECTRIC

THE SMARTER INSTALL

Give your customers more control over their hot water, energy use, and power bill with our new app-enhanced electric range.

Why will your customers love it?

The ultimate benefit of the units' smart features is their ability to reduce power use, and because of that, save your customers money. For customers with PV solar, common scenarios could see them saving between $700 and $1000 per year. And for those with a TOU tariff system, common scenario could see them saving around $650 per year.*

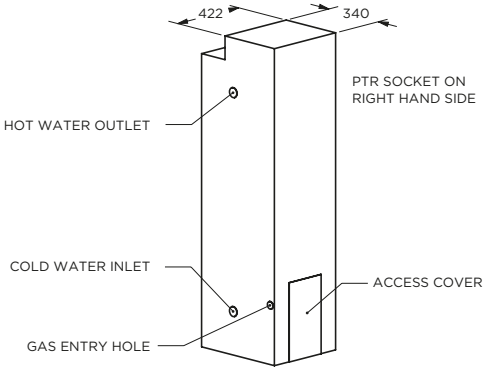
Why will you love it?

Our new app-enhanced electric range has the same footprint, dimensions, and connection points as our other electric units, so it's easy for you to install. Plus, it can be installed with a restricted electrical license (just like our other electric units) so you don't need an electrician for your install.

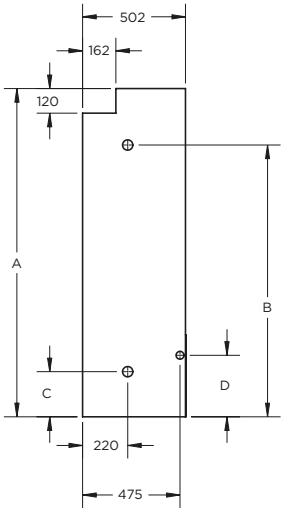
*Calculated based on specific operating conditions. Real-world savings may differ. See specific conditions on our website at thermann.com.au/products/smart-electric-storage#disclaimer

GAS STORAGE
HOT WATER SYSTEM

The Thermann 4 Star Gas hot water heater can suit any family type. Gas storage hot water systems give you full mains pressure with a constant, strong stream of hot water. With an adjustable thermostat for safety and efficiency, it allows you to be in control of your operating costs and performance. The unit has a small footprint, similar to that of older square gas units, which makes it ideal upgrading to a higher efficiency model.



SIDE VIEW



SPECIFICATIONS

Gas Tank

Specifications	135L	170L
Capacity (litres)	135	170
Net Weight Empty (kg)	72	86
Relief Valve Pressure (kPA)	1400	1400
Gas Consumption (MJ/h)	NG - 28.5 LPG - 25.5	NG - 33
Recovery rate @ 45°C rise (L/hr)	NG - 126 LPG - 113	NG - 146
First Hr Capacity	NG - 261 LPG - 248	NG - 316
Measurements (mm)	**135L**	**170L**
Height (A)	1600	1900
Hot Water Outlet (B)	1325	1620
Cold Water Inlet (C)	220	220
Gas Inlet (D)	300	300
Water Inlet/Outlet	Left	Left

Specifications correct for gas storage models manufactured after 14 February, 2022.

Selecting the right unit for you

	135L	170L
No. People	2-4	3-5

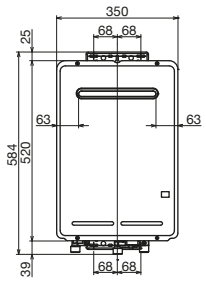
Tank

Parts and labour

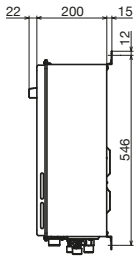
CONTINUOUS FLOW G-SERIES
HOT WATER SYSTEMS

The Thermann G-Series range features a new sleek gunmetal finish an boasts up to a 6.8* star rating, making the G-Series one of the most efficient non-condensing continuous flow units on the Australian market. Backed with a 12 year heat exchanger & 3 year full parts & labour warranty, you can be rest assured that you are covered for the life of the unit. Available in 50°C & 60°C as well as NG & LPG, the refined Thermann G-Series is the perfect choice for your home.

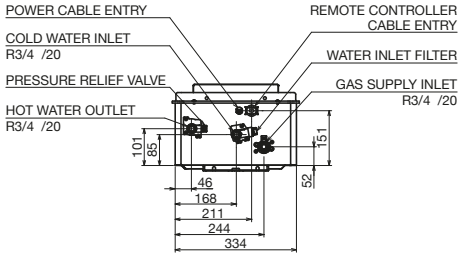
FRONT VIEW



SIDE VIEW



BOTTOM VIEW



SPECIFICATIONS

Continuous Flow G-Series

Specifications	16L	20L	26L
Nominal hourly gas consumption (MJ/h)	125	158	199
Test point pressure (NG) (kPa)	0.52	0.81	0.77
Test point pressure (LPG) (kPa)	0.77	1.18	1.26
Minimum water pressure (kPa)	50	70	105
Maximum water pressure (kPa)	1300	1300	1300
Minimum gas inlet pressure NG (kPa)	1.13	1.13	1.13
Minimum gas inlet pressure LPG (kPa)	2.75	2.75	2.75
Maximum gas inlet pressure NG (kPa)	5.0	5.0	5.0
Maximum gas inlet pressure LPG (kPa)	7.0	7.0	7.0
Minimum Flow Rate Ignition (L/min)	2.7	2.7	2.7
Input voltage single phase 50Hz (V)	240	240	240
Maximum output current (A)	0.3	0.38	0.46
Inlet gas connection male thread	R3/4" (20mm)	R3/4" (20mm)	R3/4" (20mm)
Cold water connection male thread	R3/4" (20mm)	R3/4" (20mm)	R3/4" (20mm)
Hot water connection male thread	R3/4" (20mm)	R3/4" (20mm)	R3/4" (20mm)
Relief valve pressure setting (kPa)	1600	1600	1600
Weight dry (kg)	14	14	15
Dimensions (HxWxD mm)	520x350x200	520x350x200	520x350x200

Selecting the right unit for you

	16L	20L	26L
No. Outlets	1	1-2	2-3
Energy Rating (Stars) (50°C)	6.8	6.8	6.7
Capacity @ 25° rise (L/min)	16	20	26
Capacity @ 40° rise (L/min)	10.8	13.2	16.3
Gas Type Available	NG, LPG	NG, LPG	NG, LPG

12 YEAR QUALITY GUARANTEE
Heat Exchanger

3 YEAR QUALITY GUARANTEE
Parts and labour

MADE IN JAPAN

IAPMO Approval certificate no. GMK10409. Watermark Certificate of compliance WM-000506
*6.8-star rating applies to 16L & 20L 50°c models at peak performance. 26L 50°C model will achieve up to a 6.7-star energy rating at peak performance.

CONTINUOUS FLOW R-SERIES
HOT WATER SYSTEMS

The R-Series range now includes the 17R, 21R, and 26R in 50°C and 60°C models in addition to the existing large capacity 32R model in 50°C and 60°C options. The range provides sizing options for applications big, small, and everything in between.

The 26R model is one of the most efficient non-condensing units on the market in Australia. It not only features an equivalent energy efficiency rating of 6.4 stars, but its low minimum flow rate makes it the perfect choice to combine with water efficient 6-star tapware.

12 YEAR QUALITY GUARANTEE
Heat Exchanger

3 YEAR QUALITY GUARANTEE
Parts and labour

Selecting the right unit for you

	17L	21L	26L	32L
No. Outlets	2	2 - 3	3	4
Energy Rating (Stars)	6.0	6.1	6.4	5.8
Capacity @ 25° rise (L/min)	17	21	26	32
Capacity @ 40° rise (L/min)	11	13	16	20
Gas Type Available	NG, LPG	NG, LPG	NG, LPG	NG, LPG

SPECIFICATIONS

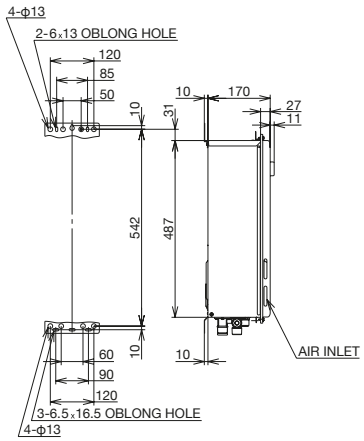
Continuous Flow R-Series

Specifications	17L	21L	26L	32L
Nominal hourly gas consumption (MJ/h)	126 (NG) 127 (LPG)	159	195	250
Test point pressure NG (kPa)	0.61	0.62	0.69	0.25 (Min) 0.70 (Max)
Test point pressure LPG (kPa)	0.71	0.77	0.87	0.49 (Min) 1.51 (Max)
Minimum water pressure (kPa)	200	200	200	200
Maximum water pressure (kPa)	1000	1000	1000	1000
Minimum gas inlet pressure NG (kPa)	1.13	1.13	1.13	1.13
Minimum gas inlet pressure LPG (kPa)	2.75	2.75	2.75	2.75
Maximum gas inlet pressure NG (kPa)	3.0	3.0	3.0	3.0
Maximum gas inlet pressure LPG (kPa)	3.5	3.5	3.5	3.5
Minimum flow rate ignition (L/min)	2.5	2.5	1.5	2.0
Input voltage single phase 50HZ (v)	230 - 240	230 - 240	230 - 240	230 - 240
Maximum output current (A)	0.44	0.44	0.54	0.6
Inlet gas connection male thread	R3/4" (20mm)	R3/4" (20mm)	R3/4" (20mm)	R3/4" (20mm)
Cold and hot water connections male thread	R3/4" (20mm)	R3/4" (20mm)	R3/4" (20mm)	R3/4" (20mm)
Relief valve pressure setting (kPa)	1620	1620	1620	1620
Weight dry (kg)	14	15	16	30
Dimensions (HxWxD mm)	520x350x170	520x350x170	520x350x170	615x464x240

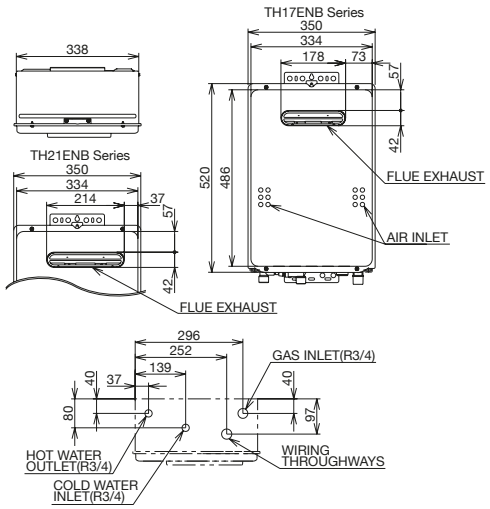
IAPMO Approval certificate no. GMK-10614. Watermark Certificate of compliance WMKA20083.

17R,21R

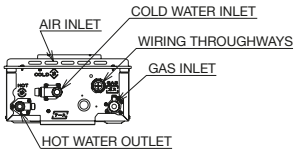
SIDE VIEW



TOP VIEW



BOTTOM VIEW

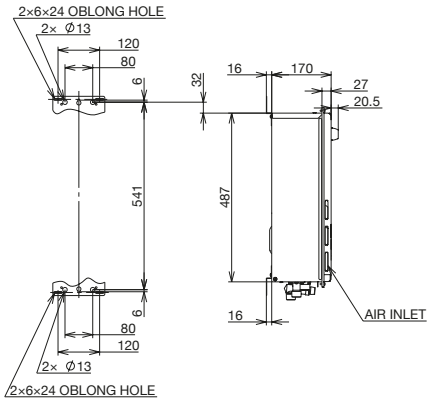


HEIGHT OF EACH FITTINGS FROM BOTTOM OF CASE

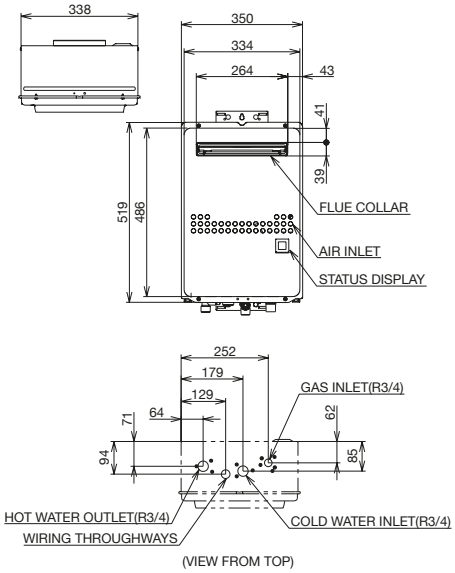
HOT WATER OUTLET	45
COLD WATER INLET	48
GAS INLET	50

26R

SIDE VIEW

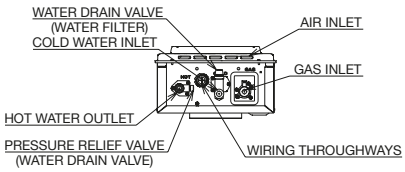


TOP VIEW



(VIEW FROM TOP)

BOTTOM VIEW

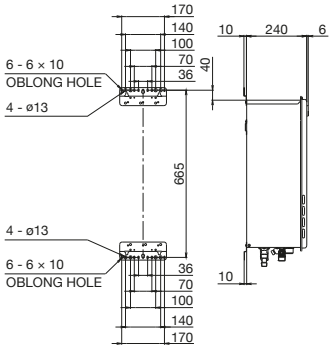


HEIGHT OF EACH FITTINGS FROM BOTTOM OF CASE

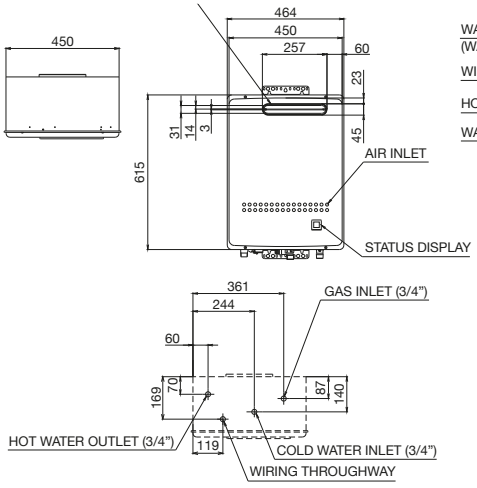
HOT WATER OUTLET	45
COLD WATER INLET	53
GAS INLET	44

32R

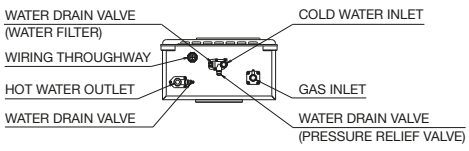
SIDE VIEW



TOP VIEW



BOTTOM VIEW



HEIGHT OF EACH FITTINGS FROM BOTTOM OF CASE

HOT WATER OUTLET	44
COLD WATER INLET	55
GAS INLET	51

CONTINUOUS FLOW R-SERIES
HOT WATER SYSTEMS

The R-Series has a full range of optional accessories available, including remote temperature controllers for precise temperature control, recess wall boxes for discreet installation in wall cavities, flue diverters for compliance and anti-theft brackets for added security.

Main Controller

Bathroom Controller 1

Bathroom Controller 2

Optional Accessories	Code
Controllers	
R-Series Main Controller	9507958
R-Series Bathroom 1 Controller	9507959
R-Series Bathroom 2 Controller	9507960
Commercial Controller - Suits 32L only (Internal controller)	9507385
Quick Connect cable (2m) - Suits 32L only (Must be used with Commercial controller when linking up to 2 units together)	1309044
Recess Boxes	
32R Half Recess Box	1309048
17R 21R 26R Half Recess Box	2571022
26R Full Recess Box	2571023
Pipe Covers	
17R 21R 26R Pipe Cover	2571026
32R Pipe Cover	1309045
Flue Diverters	
17R Side Flue Diverter	2571027
21R Side Flue Diverter	2571028
26R Side Flue Diverter	2571029
26R Side Flue Diverter - Long	2571030
32R Side Flue Diverter	1309047
32R Upward Flue Diverter	1309046

Note: All R-Series controllers come with a standard 10m cable.

*Both the Quick Connect Cable & Commercial Controller are required when connecting two 32R units together.
Only a Commercial Remote is required when connecting a 32R unit to a circulating pump e.g. for applications with a ring main.

THERMANN

LOW ENERGY USE IS A HIGH PRIORITY.

More and more households are trying to lower their energy use. That's why we're constantly developing innovative new technologies that heat water more efficiently.

Split Heat Pump

Split heat pumps use heat from the outside air and transfer this to your water, reducing energy consumption and making them up to 80% more efficient than a standard electric storage hot water system.

Electric Boosted Solar

This system uses the sun, a free and renewable energy source to heat your water and for those sunless days, there is a back-up electric element in the tank.

C7 Continuous Flow Hot Water

The Thermann C7 utilises condensing technology allowing typically wasted heat from the gas exhaust to pre-heat the water, providing lower running costs and reduced carbon emissions.

CONTINUOUS FLOW C7
HOT WATER SYSTEM

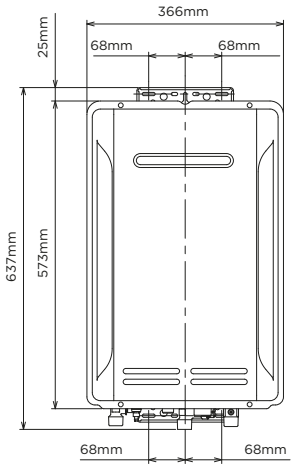
The Thermann C7 high efficiency Gas Continuous Flow unit ensures you will have enough hot water, when you need it. This unit has been developed to reduce wasted energy by pre-heating the water using heat from the gas exhaust, meaning you'll use less energy. With a 12 year warranty, you can rest assured you are covered for the life of the unit, and optional universal controllers ensure you always have precise control of your hot water temperature settings. The unit is available as a 26L model in both NG and LPG to suit your gas type.

- Up to 15% more efficient*
- Japanese technology and manufacture
- AGA approved
- Over 50 years of manufacturing experience
- Product quality guarantee
- Watermark approved
- Optional universal controllers available

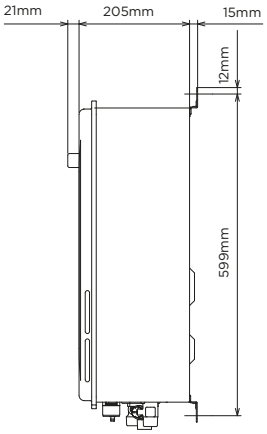
SPECIFICATIONS

Continuous Flow C7

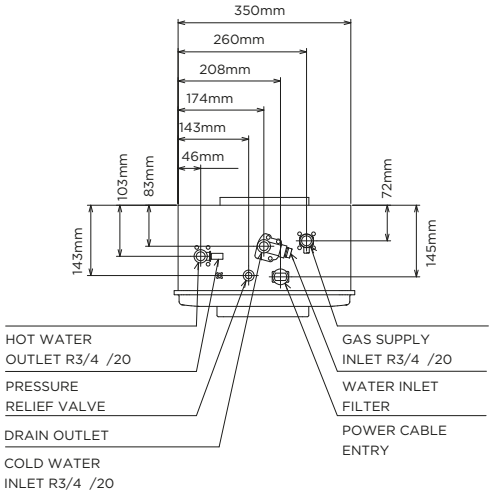
FRONT VIEW



SIDE VIEW



TOP VIEW



Compared to the Thermann 6 50°C model

CONTINUOUS FLOW C7
HOW IT WORKS

SPECIFICATIONS

Continuous Flow C7

Specifications	26L
Nominal hourly gas consumption (MJ/h)	173
Test point pressure NG (kPa)	0.84
Test point pressure LPG (kPa)	1.27
Minimum water pressure (kPa)	115
Maximum water pressure (kPa)	1200
Minimum gas inlet pressure NG (kPa)	1.13
Minimum gas inlet pressure LPG (kPa)	2.75
Maximum gas inlet pressure NG (kPa)	5.0
Maximum gas inlet pressure LPG (kPa)	7.0
Minimum flow rate ignition (L/min)	2.7
Input voltage single phase 50HZ (v)	240
Maximum output current (A) - inc. anti-frost heater	
Inlet gas connection male thread	R3/4" (20mm)
Cold water connection male thread	R3/4" (20mm)
Hot water connection male thread	R3/4" (20mm)
Condensate connection male thread	R1/2" (15mm)
Relief valve pressure setting (kPa)	1400
Weight dry (kg)	20.5
Dimensions (DxWxH mm)	205x366x573

Selecting the right unit for you

	26L
No. Outlets	2-3
Energy Rating 50°C (stars)	7.3
Energy Rating 60°C (stars)	7.0
Capacity at 25°C rise (L/min)	26
Capacity at 40°C rise (L/min)	16.25
Gas Type Available	NG, LPG

Optional Accessories	Code
Universal controller with 15m cable	9505082
6* Recess Box Painted	9505219
6* Recess Box Gal	9505218
6* Locking Bracket	9504679
6* Flue Diverter	9505161

Heat Exchanger

IAPMO Approval Certificate no. GMK10409.
Watermark Certificate of Compliance WMKA-000506

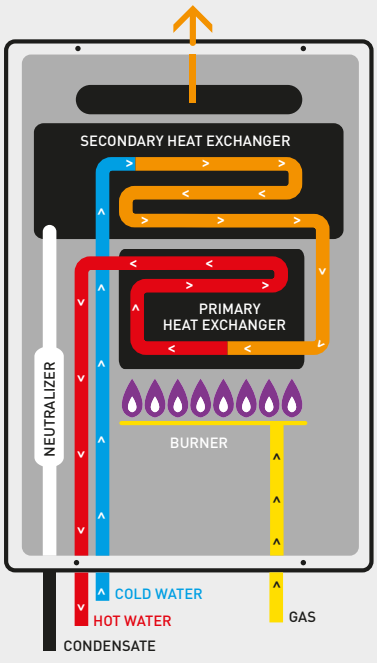
Universal Controller (optional)

HOW IT WORKS

DEVELOPED TO REDUCE WASTED ENERGY, THIS UNIT PRE-HEATS THE WATER USING HEAT FROM THE GAS EXHAUST, MEANING YOU'LL USE LESS ENERGY.

THE PROCESS

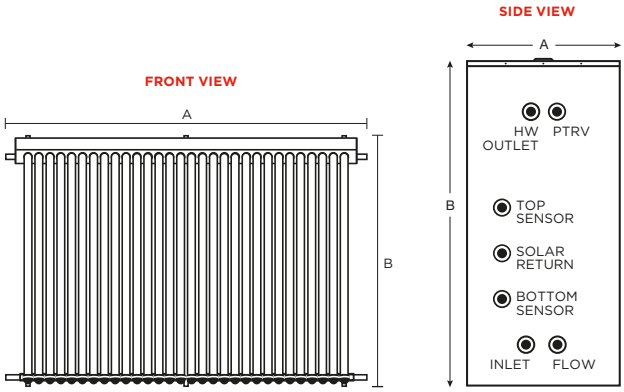
1. A hot water tap is turned on
2. Water enters the heater
3. The water flow sensor detects the water flow
4. The computer automatically ignites the burner
5. Water circulates through the heat exchanger
6. The heat exchanger heats the water to the designated temperature
7. When the tap is turned off, the unit shuts down



*Thermann model 26NG50C when compared to 26NG50, based on comparative energy consumption when tested to AS 4552.
**AS 4552 limits the rating shown on the energy label to 6.0 Stars. Where the calculated rating exceeds 6.0 Stars it is designated as an "equivalent" rating.

EVACUATED TUBE SOLAR
ELECTRIC BOOSTED

Thermann Evacuated Tube Solar electric boosted systems harness the sun's energy to heat your water. An electric element in the tank provides back up if needed, ensuring peace of mind, whilst also reducing your running costs and environmental footprint.



SPECIFICATIONS

Electric Boosted Tank

Measurements (mm)	250L BOT	315L BOT	315L MID	400L BOT	400L MID
Tank Diameter (A)	617	617	617	705	705
Tank Height (B)	1445	1765	1765	1704	1704
HW Outlet	1211	1531	1531	1445	1445
PTRV Port	1211	1531	1531	1445	1445
Top Sensor Port	786	872	872	809	832
Solar Return Port	567	566	504	536	554
Bottom Sensor	347	355	326	340	357
Solar Flow	197	197	197	219	219
Cold Water Inlet	197	197	197	219	219
Dry Weight (kg)	71	92	92	116	116

Roof Collector

Measurements (mm)			Dry Weight	
Collector	Width (A)	Length (B)	WO/Tubes	W/Tubes
22 Tubes	1636	2005	20kg	80.7kg
30 Tubes	2196	2005	24kg	105.7kg

Dry weights based on 2 track flush mount frame.

Selecting the right unit for you

	250L	315L	400L
No. People	3-5	4-6	5-9
No. Tubes	22	30	44

*Other kit configurations available

15 YEAR QUALITY GUARANTEE
Tubes

10 YEAR QUALITY GUARANTEE
Tank

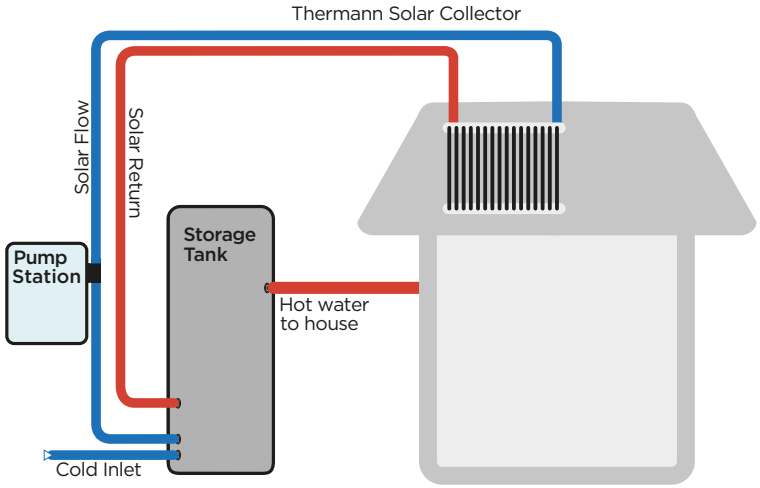
1 YEAR QUALITY GUARANTEE
Parts and Labour

MADE IN AUSTRALIA
Tank

EVACUATED TUBE SOLAR
HOW IT WORKS

ELECTRIC SETUP

Electric Booster



Note: Diagram not to scale - basic system overview (not installation guide).

STEP 1

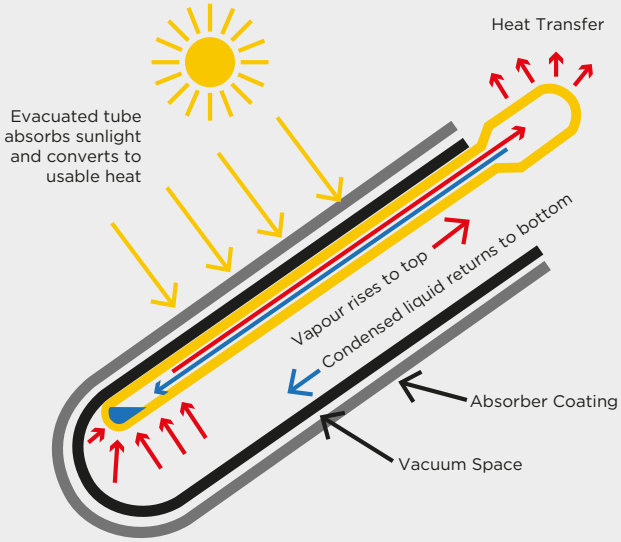
The sunlight strikes the dark absorber coating inside the tube.

STEP 2

The heat pipe transfers the heat up to the copper header pipe location in the insulated manifold box.

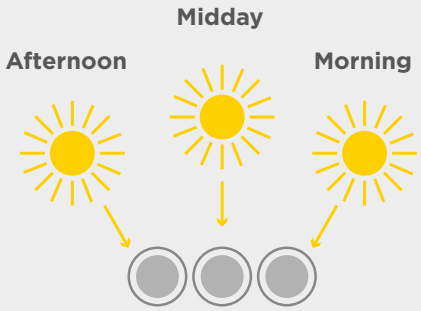
STEP 3

A circulator moves water from the storage tank to the copper pipe warming the water. The solar heated water is then pushed down into the storage tank for use. Anti-frost is built in to the Thermann system to ensure solar hot water can be provided even in cold regions.



PASSIVE SUN TRACKING

The round tube design of the system passively tracks the sun throughout the day giving the highest possible performance from early morning through to late afternoon.



INTEGRATED HEAT PUMP
HOT WATER SYSTEM

The innovative Thermann R290 Integrated Heat pump is the ultimate hot water system. With an easy to use unit controller and app connectivity, plus a back-up heating element, it's perfect for all Australian households.

DEPENDABLE, DURABLE, DIGITAL

- Local manufacturing ensures easy access to support and spare parts.
- Schedule heating and boost it on demand for greater control of your running costs.
- Holiday Mode for when you're away.
- App triggered rescue-mode in case of heat pump error.
- Sends notification of errors and servicing requirements.
- Monitor the tank's temperature.
- Suitable for all climates and extreme weather conditions (-6°C to +45°C).
- Easy install with similar foot print and connections as a Thermann electric storage unit.

SPECIFICATIONS

Selecting the right unit for you

Measurements (mm)	200L 1367010/1367012	285L 1367014/1367016
Inlet Height (A)	200	200
Outlet Height (B)	950	1375
Total Height (C)	1580	2005
Total Diameter (D)	620	620
Total Depth including Cover (E)	665	665
Specifications	**200L 1367010/1367012**	**285L 1367014/1367016**
Storage Capacity (L)	202.5	287
Rated Energy Input (kW)	2.6	2.6
Max Current (A)	12.6	12.6
Heating capacity (kW)	2.5	2.5
Refrigerant Type/Mass (g)	R290/270	R290/290
Net Weight (kg)	90	125
Max. Refrigerant Circuit Pressure (kPa)	2600	2600
Relief Valve Rating	1000kPa/10kW	1000kPa/10kW
Operating Ambient Temperature	-6°C to 45°C	-6°C to 45°C

Download the Thermann SmartLife App

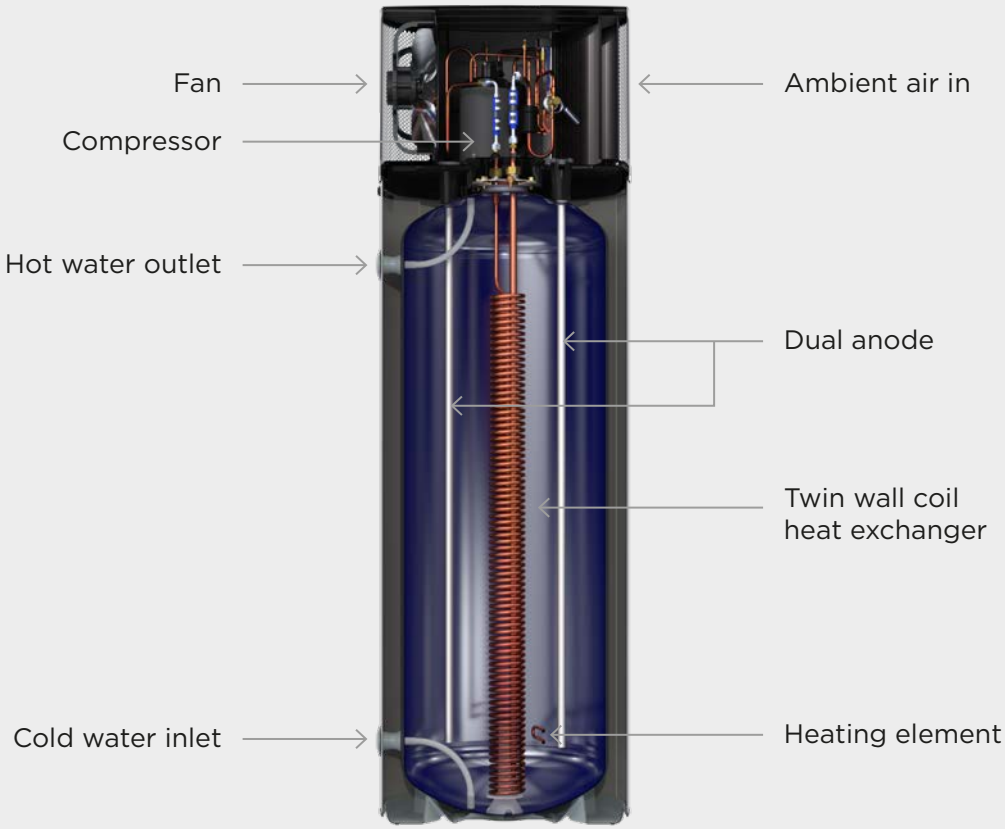
7 YEAR TANK WARRANTY — Tank

3 YEAR QUALITY GUARANTEE — Tank Labour

3 YEAR QUALITY GUARANTEE — Refrigeration Components & Labour

1 YEAR QUALITY GUARANTEE — Other Parts & Labour

MADE IN AUSTRALIA



HOW IT WORKS

STEP 1
Outside air is drawn in through the evaporator by a high efficiency, electronic fan.

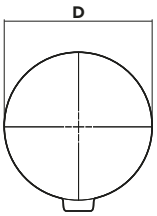
STEP 2
The evaporator uses the heat from the air and turns the liquid refrigerant into a vapour.

STEP 3
The refrigerant vapour is compressed raising the refrigerant temperature significantly so it becomes a hot gas.

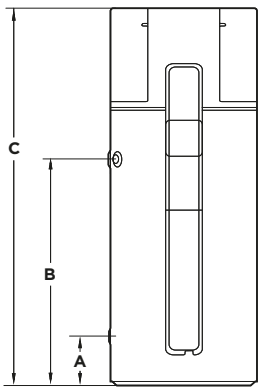
STEP 4
This hot refrigerant gas flows down the patented in-tank heating coil where it directly releases the heat into the water. As the refrigerant gas cools, it turns back into a liquid.

STEP 5
The liquid refrigerant then flows through an expansion device where its pressure & temperature drops, and the low temperature refrigerant enters the evaporator to repeat the heating cycle.

TOP VIEW



SIDE VIEW

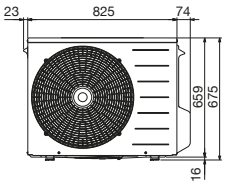


SPLIT HEAT PUMP
HOT WATER SYSTEM

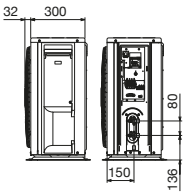
Combining Japanese and Australian engineering, The Split Heat pump is a flexible, quiet, and highly efficient hot water solution for any climate. By extracting heat from the air, this clever system uses a naturally occurring gas to heat water making it up to 80% more efficient than that of a standard electric storage system.

- Highly efficient unit allowing for running cost savings
- Flexible installation options, ideal for installs with limited space
- Whisper quiet operation, 37dB
- Fast recover rate
- Uses natural refrigerant which is ozone friendly
- Delivers mains pressure hot water

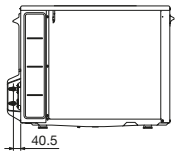
FRONT VIEW



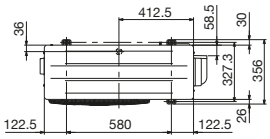
SIDE VIEW



BACK VIEW



TOP VIEW



SPECIFICATIONS

Heat Pump unit

Specifications	
Refrigerant type	R744 (CO_2)
Seasonal Coefficient of Performance	5.08
Setting outlet water temp	65 °c
Product weight	48 kg
Rated capacity	4.5 kW
Max. power Input	2.5kW
Max. current	11A
Max. voltage	240v
Design pressure (High/Low)	14/9 MPa
Protection raining Class	IPX4
Max. operating water pressure	850 kPa
Operating Range	-10 to +43
Operating Noise	37dB
Rated power consumption	0.95kW/h

6 YEAR QUALITY GUARANTEE — Heat pump unit

10 YEAR QUALITY GUARANTEE — Tank

2 YEAR QUALITY GUARANTEE — Parts and labour

MADE IN JAPAN — Heat pump unit

MADE IN AUSTRALIA — Tank

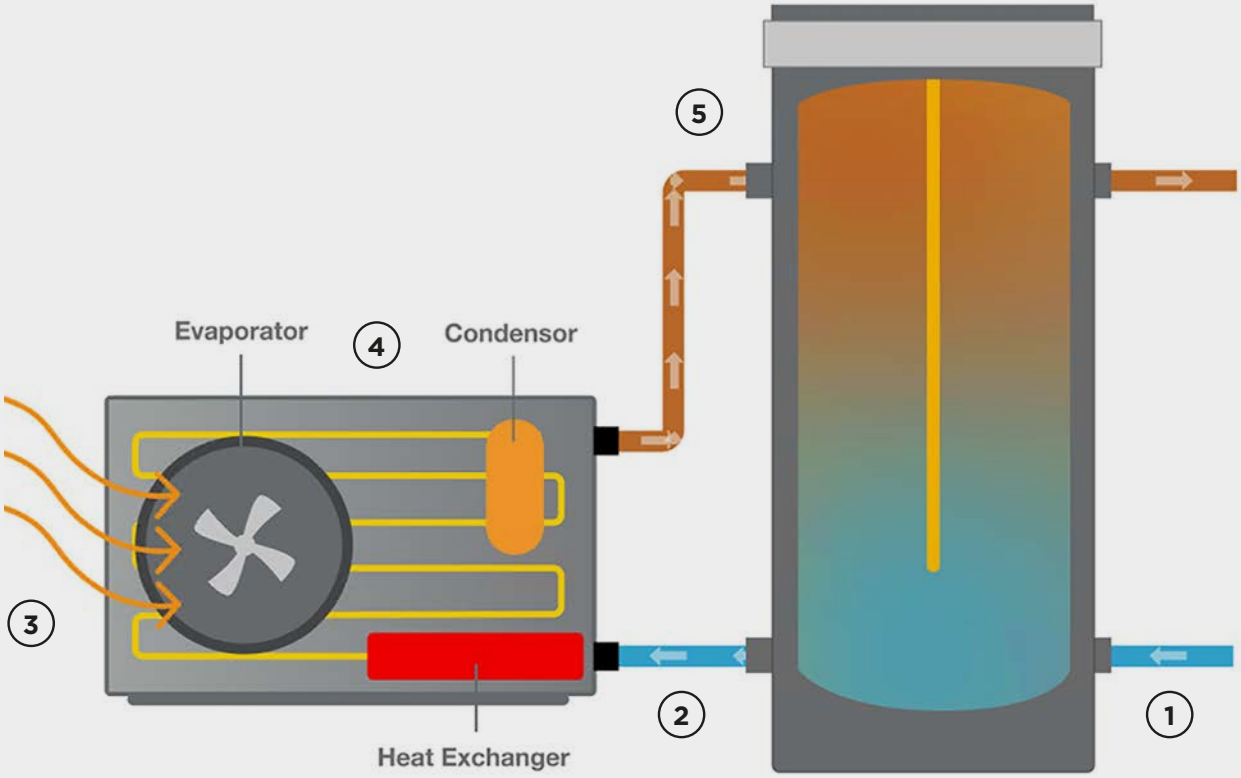
Selecting the right unit for you

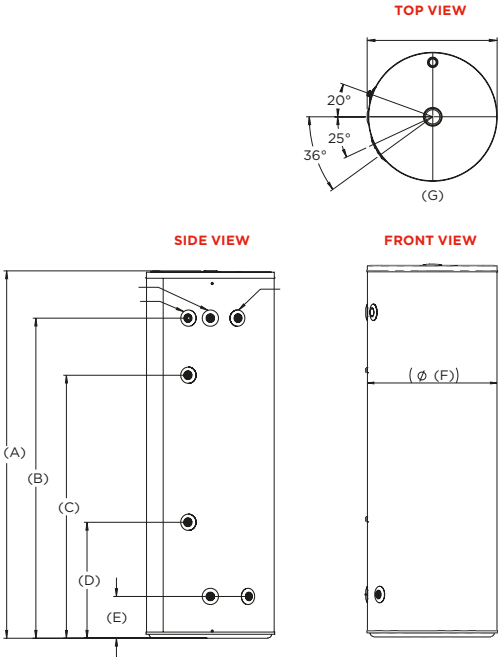
	160Lx4.5	250Lx4.5	315Lx4.5	400Lx4.5
No. People	2 - 4	3 - 5	4 - 6	5 - 9

Tank

Specifications	160L	250L	315L	400L
Total Volume	163L	259L	323L	420L
Tank Weight (Empty)	59kg	71kg	92kg	116kg
PTRV Pressure Rating	850kPa	850kPa	850kPa	850kPa
Sensor Level on Tank	68%	69%	69%	69%
Measurements (mm)				
Height (A)	1318	1444	1762	1704
Hot Water Outlet (B)	1099	1217	1535	1452
PTR Valve (B)				
Heat Pump Return (B)				
Top Sensor (C)	936	997	1263	1215
Bottom Sensor (D)	439	463	555	561
Heat Pump Flow & Cold Inlet (E)	190	201	201	226
Tank Diameter (F)	528	613	613	701
Overall Diameter (G)	540	623	624	712

SPLIT HEAT PUMP
HOW IT WORKS





1. Water from the main fills the storage tank with cold water.
2. Water is drawn from the tank into the heat pump unit
3. A fan forces air through an evaporator where the heat from the air is transferred to a natural refrigerant gas.
4. The heated gas is then circulated around a compressor to be pressurised. This pressurisation causes the temperature of the gas to significantly rise.
5. The hot gas passes through a heat exchanger to heat the cold water, which is then pumped back into the top of the storage tank ready to use.

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