

THERMANN™

COMMERCIAL GUIDE

HOT WATER HEATERS FOR COMMERCIAL
& HIGH USE PROJECTS



THERMANN™ 50
COMMERCIAL

THERMANN™
COMMERCIAL

RELIEF VALVE ELECTRIC STORAGE WATER HEATER RELIEF VALVE

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We are dedicated to highest quality, great design and innovation, offering a comprehensive range of continuous flow and electric solutions to suit most commercial projects.

The THERMANN Commercial range has been specially developed and designed for commercial applications by incorporating larger, more robust heat exchangers or multi-element configurations.

Whether it is an apartment, hotel, office block or restaurant, THERMANN Commercial has a water heating system to meet your project requirement.

With safety, durability, and reliability, our water heaters are the ultimate commercial solution.

WARRANTY

CONTINUOUS FLOW

All THERMANN Commercial continuous flow products have a 5 year warranty on the heat exchanger and a 2 year warranty on heater parts and labour. When used in a domestic situation, a 12 year warranty on the heat exchanger and a 3 year warranty on heater parts and labour, applies.

Commercial



Heat Exchanger



Parts and Labour

Domestic



Heat Exchanger



Parts and Labour

ELECTRIC STORAGE

All THERMANN Commercial electric storage products have a 5 year warranty on the tank and a 1 year warranty on heater parts and labour. When used in a domestic situation, a 10 year warranty on the tank and a 1 year warranty on heater parts and labour, applies.

Commercial



Tank



Parts and Labour

Domestic



Tank

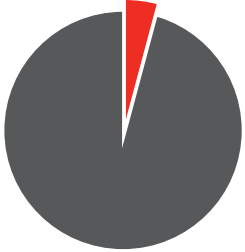


Parts and Labour

ROBUST COMMERCIAL DESIGN

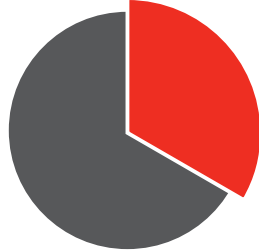
The THERMANN Commercial Continuous Flow range is designed for commercial applications which have greater daily water usage.

1 HOUR A DAY



DOMESTIC USE

8 HOURS A DAY



COMMERCIAL USE



SIZE REALLY DOES MATTER

High grade commercial components such as heat exchangers with 25% thicker pipes and 20% thicker fins to allow the THERMANN Commercial Continuous Flow range to meet the higher water use and flow rates required for commercial applications. For greater water flow and lower pressure loss, THERMANN Commercial uses up to 50% larger pipes compared to those used in domestic applications.




DOMESTIC HEAT EXCHANGER



THERMANN 32R
COMMERCIAL
HEAT EXCHANGER



THERMANN 50L
COMMERCIAL
HEAT EXCHANGER

The background of the image is a dark, textured surface covered with numerous water droplets of varying sizes. The droplets are most prominent in the lower-left and lower-right areas, while the upper-left area is relatively clearer. The overall tone is dark and moody.

**OUR THERMANN
COMMERCIAL
CONTINUOUS
FLOW RANGE**

THERMANN COMMERCIAL
CONDENSING

50L



BREAKING NEW GROUND IN COMMERCIAL WATER HEATING

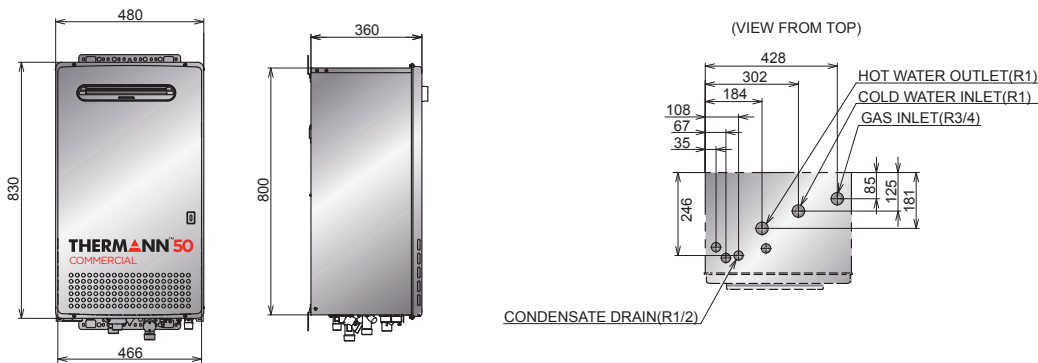
The THERMANN 50L Commercial water heater is the largest capacity continuous flow water heater available in the market. It is specially designed for applications that demand extra delivery of hot water with a smaller footprint.

- ▶ The THERMANN 50L model delivers savings — less time to install, less materials used and less space consumed
- ▶ Condensing technology delivers up to 95%* heating efficiency providing running cost savings
- ▶ Designed for commercial applications using robust heat exchangers with thicker pipes and fins
- ▶ Modular design enabling up to 6 units to be linked together providing flow rates as low as 2.5L/min up to 1,200L/min
- ▶ Low NOx burner provides improved emissions and air quality
- ▶ Commercial grade components throughout with a durable silver finish

PERFORMANCE DATA

MODEL	50L Outdoor	
FLOW RATE L/min	Max	50
	20°C rise	50
	25°C rise	50
	35°C rise	36
	50°C rise	25
	60°C rise	21
	70°C rise	18

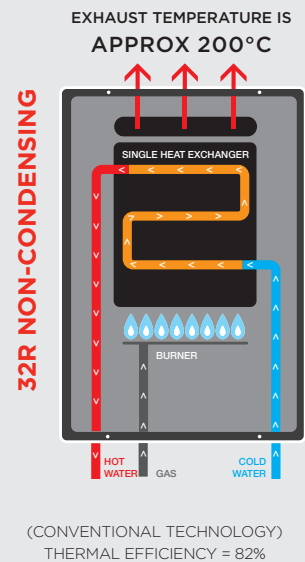
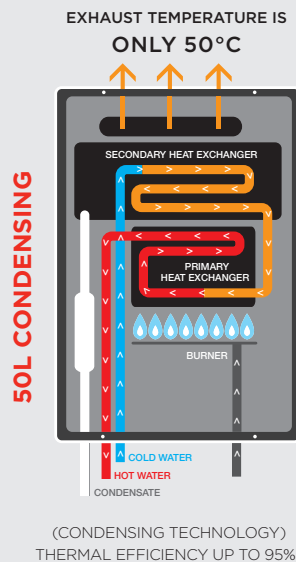
50L OUTDOOR DIMENSIONS



CONDENSING IS THE FUTURE OF CONTINUOUS FLOW

In a condensing continuous flow water heater, the water is preheated using the heat from the exhaust gas, reducing wasted energy and lowering the exhaust temperature.

In a non-condensing unit, the water only passes through one heat exchanger and the energy from the exhaust gas is wasted.



*Thermal Efficiency relates to 32L model. **Thermal Efficiency related to 32R model.

OUR INTELLIGENT MANIFOLD SYSTEM

ROTATION

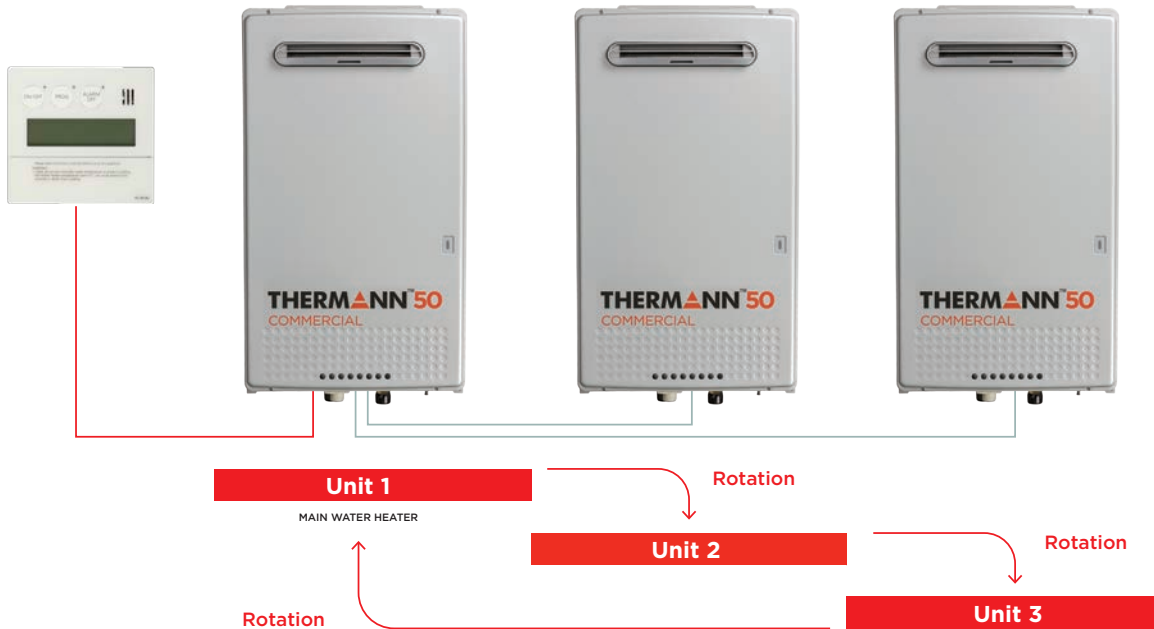
In a manifold system, the individual THERMANN Commercial units will communicate with one another and work in unison to even out the load between the units, maximising output and system life.

REMOTE CONTROLLER AND CABLE

Designed to allow adjustment of temperature as well as provide fault finding and diagnostic information. Comes with cable to connect remote controller to heater.



ROTATION FUNCTION



CASCADING FUNCTION

Up to 6 THERMANN 50L Commercial units can be linked together with a single system controller. This allows variable hot water flow rates to match the load requirement.



The heater will turn on when the flow is sensed.

One heater will work solely until the demand grows greater than 60%.

The load will equalize among two or more heaters to meet high volume demand.

THERMANN COMMERCIAL NON-CONDENSING

32R

The Thermann 32R features a high flow heat exchanger capable of delivering 32L/min, and is designed to service multiple outlets, all at the same time.

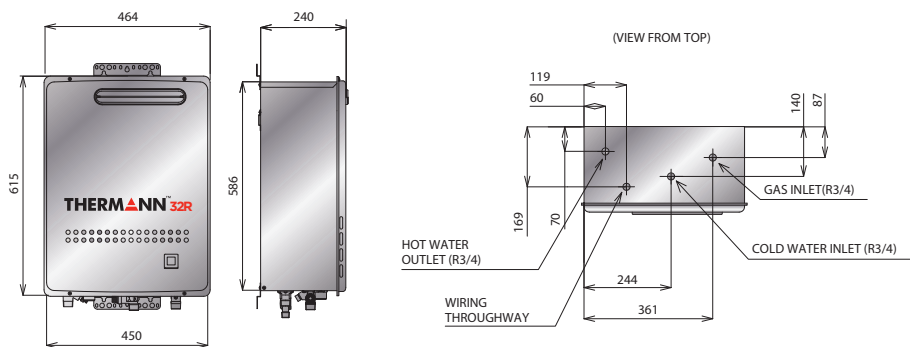
The 32R can be linked to a second 32R to deliver up to 64L/min, perfect for supplying large new homes and small commercial applications.

They feature up to a maximum 75C temperature setting, and are available in both natural gas & LPG models.

- ▶ Delivers high performance and lasting durability
- ▶ Designed for commercial applications with its high flow, commercial grade heat exchanger
- ▶ More capacity for multiple outlets
- ▶ Designed and manufactured in Japan
- ▶ Up to two units can be linked together via a quick connect cable and commercial remote controller to service large residential or small commercial hot water loads
- ▶ Status display monitor indicates operating mode, temperature and provides easy diagnosis.



32R OUTDOOR DIMENSIONS




PERFORMANCE DATA

MODEL		32R Outdoor
FLOW RATE L/min	25°C rise	32
	35°C rise	23
	50°C rise	16
	60°C rise	13
	70°C rise	11

CONNECTING TWO UNITS TOGETHER

2 components are required when connecting two 32L or 50L units together.



A dark, textured background covered in numerous water droplets of various sizes, creating a reflective and moist appearance. The droplets are more prominent in the lower-left and upper-right areas, with a denser field of smaller droplets in the center.

**OUR THERMANN
COMMERCIAL
ELECTRIC
STORAGE RANGE**

FOR USE IN HIGH DEMAND COMMERCIAL APPLICATIONS

The Thermann Commercial 50L & 315L electric storage water heaters are low maintenance, offer high performance and fast recovery via multiple elements heating water at the same time. They are perfect for heavy demand commercial and industrial applications.

They are a great alternative where reticulated gas is not available, flueing arrangements are impractical or when used as a boost plant for solar or supplementary heating.

- ▶ 315L capacity comes with 3 x 3.6kW electric heating elements working concurrently for fast recovery
- ▶ 50L model comes with 3 x 3.6kW electric heating elements working concurrently for fast recovery in tight spaces
- ▶ 32mm connections for high flow applications (315L models only)
- ▶ They can be manifolded for heavier demand or plumbed to additional water heater systems for supplementary boosting
- ▶ Adjustable thermostat setting from 60°C to 80°C for the 315L models and 60°C to 75°C for 50L models. Both are set to 70°C ex factory
- ▶ 5 year tank and 1 year parts & labour commercial warranty



COMMERCIAL WARRANTIES



Tank*

Parts and Labour*

COMMERCIAL ELECTRIC PERFORMANCE DATA

LITRES OF HOT WATER AT 50°C RISE OVER PEAK USAGE PERIOD

MODEL	ELEMENT CONFIGURATION	NO OF UNITS MANIFOLDED	STORAGE CAPACITY	RECOVERY L/HR#	1ST HOUR DELIVERY	1½ HOUR DELIVERY	2 HOUR DELIVERY	3 HOUR DELIVERY	6 HOUR DELIVERY
1307303	3 X 3.36KW	1	50	186	236	329	422	608	1166
		2	100	372	472	658	844	1216	2332
1307304	3 X 3.6KW	1	315	186	501	594	687	873	1431
		2	630	372	1,002	1,188	1,374	1,746	2,862

Note: Figures rounded up to the nearest litre. # Recovery L/hr @ 50°C temperature rise.

LITRES OF HOT WATER AVAILABLE AT 65°C RISE OVER PEAK USAGE PERIOD

MODEL	ELEMENT CONFIGURATION	NO OF UNITS MANIFOLDED	STORAGE CAPACITY	RECOVERY L/HR#	1ST HOUR DELIVERY	1½ HOUR DELIVERY	2 HOUR DELIVERY	3 HOUR DELIVERY	6 HOUR DELIVERY
1307304	3 X 3.6KW	1	315	143	458	530	601	744	1,173
		2	630	286	916	1,059	1,202	1,488	2,346

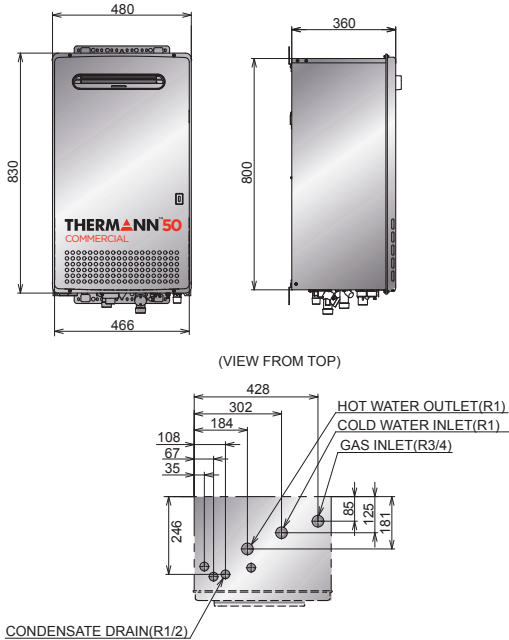
Note: Figures rounded up to the nearest litre. ^ Recovery L/hr @ 65°C temperature rise.

The background of the image is a dark, textured surface covered with numerous water droplets of varying sizes. The droplets are most prominent in the lower-left and lower-right areas, while the upper-right area is darker and less detailed. The overall effect is a high-contrast, moody aesthetic.

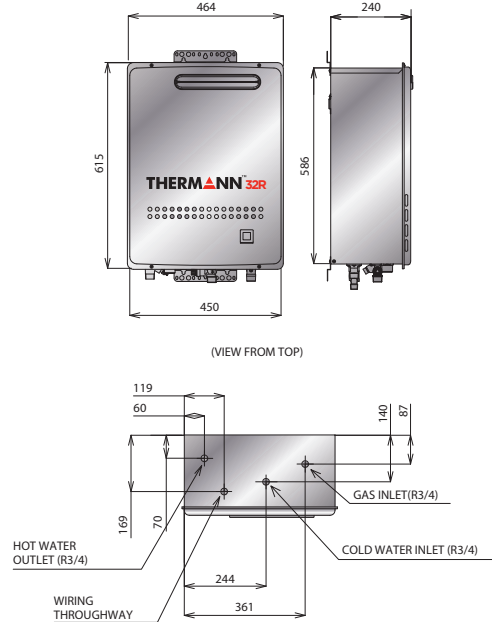
SYSTEM DIMENSIONS & TECHNICAL SPECIFICATIONS

THERMANN COMMERCIAL CONTINUOUS FLOW DIMENSIONS & SPECIFICATIONS

50L OUTDOOR UNIT



32R OUTDOOR UNIT



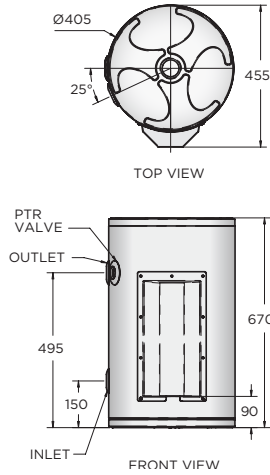
SPECIFICATIONS

		50L OUTDOOR	32R OUTDOOR
PRODUCT CODES		NG - 1307010	NG - 9509751
		LPG - 1307011	LPG - 9509753
CAPACITY L/MIN @ 25OC RISE		50	32
THERMAL EFFICIENCY* (%)		95	82
WATER PRESSURE (KPA)		200 - 800	200 - 1,000
MINIMUM FLOW RATE (L/MIN)		2.5	2.5
DIMENSIONS H X W X D (MM)		830 x 480 x 370	615 X 450 X 240
WEIGHT (KG)		50	32
CONNECTION SIZES	Water Inlet	R1 (25mm)	R 3/4 (20mm)
	Hot Water Outlet	R1 (25mm)	R 3/4 (20mm)
	Gas Inlet	R 3/4 (20mm)	R 3/4 (20mm)
	Drain Line	R 1/2 (15mm)	N/A
POWER SUPPLY	Supply	230 - 240 VAC (50Hz)	230 - 240 VAC (50Hz)
	Consumption (W)	Operation 83; Freeze Prevention 288	Operation 76 (NG) 101 (ULPG); Freeze Prevention 145
GAS CONSUMPTION	NG (MJ/hr)	328	250
	ULPG (MJ/hr)	328	250
GAS PRESSURE	NG (kPa)	1.13 - 3.00	1.13 - 3.00
	ULPG (kPa)	2.75 - 3.50	2.75 - 3.50
TEMPERATURE RANGE ADJUSTMENT (°C)	Without Controller	55, 60, 75, 85	37 - 48, 50, 55, 60, 75
	With Controller	37 - 48, 50, 55, 60, 65, 70, 75, 80, 85	37 - 48, 50, 55, 60, 75

*Thermal efficiency as tested with 15°C inlet water temperature and 60°C hot water outlet temperature at maximum burn capacity.

THERMANN COMMERCIAL ELECTRIC STORAGE DIMENSIONS & PERFORMANCE DATA

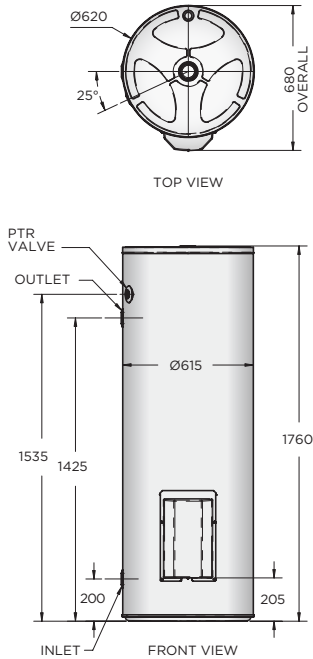
THERMANN COMMERCIAL 50L TRIPLE ELEMENT STORAGE TANK



50L SPECIFICATION TABLE

SPECIFICATIONS	1307303
HOT WATER DELIVERY (L)	50
NET WEIGHT EMPTY (KG)	23
ELEMENT SIZES (KW)	3 X 3.6
CABLE ENTRY SIZE (MM)	25MM
ELECTRICAL CONNECTION (3 PHASE)	400-415V
WATER CONNECTIONS FEMALE	20MM (3/4")
RELIEF VALVE PRESSURE (KPA)	1000
MAX. INLET PRESSURE (KPA)	800
MAX. THERMOSTAT SETTING	75°C

THERMANN COMMERCIAL 315L TRIPLE ELEMENT STORAGE TANKS



315L SPECIFICATION TABLE

SPECIFICATIONS	1307304
STORAGE CAPACITY (L)	321
HOT WATER DELIVERY (L)	315
NET WEIGHT EMPTY (KG)	93
ELEMENT SIZE (KW)	3 X 3.6KW
CABLE SIZE (MM)	25
ELECTRICAL CONNECTIONS (3 PHASE)	415V AC
WATER CONNECTIONS FEMALE	32MM (1 1/4")
RELIEF VALVE PRESSURE (KPA)	1000
MAX INLET PRESSURE (KPA)	800
MAX THERMOSTAT SETTING	800

RELIEF VALVE	
TEMPERATURE (OC)	99
POWER RATING (KW)	46

THERMANN COMMERCIAL ACCESSORIES

ACCESSORY	DESCRIPTION	PART NUMBER
SYSTEM CONTROLLERS (50L MODELS ONLY) The system controller is designed to link up to 6 continuous flow systems, allowing cascade and rotation functions.	System control for up to 6 continuous flow Units:	
	System Controller for 1-6 units	9507379
	3m Connection Cable	9507379
COMMERCIAL CONTROLLER AND CABLE (comes in box with 50L, needs to be ordered for 32R)	Commercial Controller inc cable	9507385
	Residential Main Controller	9507958
CONTROLLER ACCESSORIES 32R ONLY	Residential Bathroom 1 Controller	9507959
	Residential Bathroom 2 Controller	9507960
QUICK CONNECT CABLE The quick connect cable is used when linking 2 continuous flow units only.	Quick connect cable 2M NOTE: Commercial controller needed for operation (9507385)	9507386
FLUE DIVERTER	50L	1307018
	32R	1309046
PIPE COVER	32R only	1309045

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The manufacturer/distributor reserves the right to vary specifications or delete models from their range without prior notification. The manufacturer/distributor takes no responsibility for printing errors.

All products enjoy a product replacement warranty. #For full warranty details visit www.reece.co.nz/warranties

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