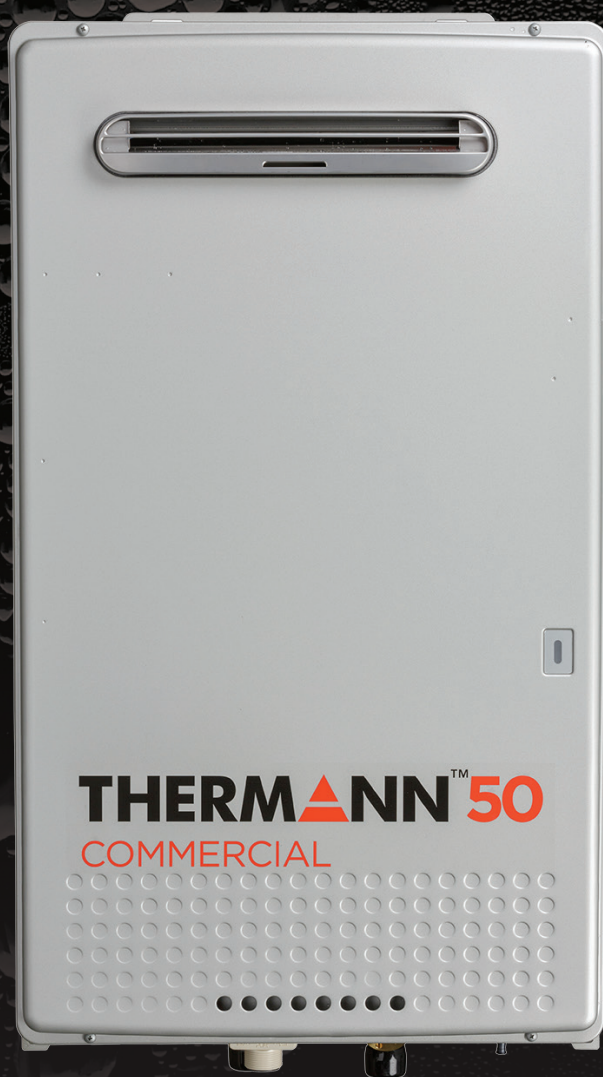


**THERMANN™**

# COMMERCIAL GUIDE

GAS CONTINUOUS FLOW WATER HEATERS  
FOR COMMERCIAL & HIGH USE PROJECTS



# ROBUST COMMERCIAL DESIGN

The THERMANN Commercial range has been especially developed and designed for commercial applications by incorporating larger more robust heat exchangers.

Whether it is a large home, small apartment block, motel, amenities facility, cafe or restaurant, THERMANN Commercial has a water heating system to meet your project requirement.

Our range has the ability to link units together, increasing the systems capacity and hot water flow rates.

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

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

## OUR INTELLIGENT 50L MANIFOLD SYSTEM

The THERMANN Commercial intelligent manifold system is suitable for any project where you need large capacity, efficiency and control.

This is ideal when two or more 50L Thermann Commercial Continuous Flow models are manifolded with a system controller.

### INTELLIGENT MANIFOLD SYSTEM

The ability to modulate multiple units with the use of a system controller makes THERMANN Commercial water heaters efficient and intelligent.

### INTELLIGENT SYSTEM FEATURES

Additional product features provided by the intelligent system controller.

Self diagnostics for both system controller and all individual units connected to the system controller.

Additional features of the controller include:

- An external alarm can be connected
- Should a unit stop working, the system controller will continue to manage the load through the other working unit.

## BACKED BY A COMPREHENSIVE WARRANTY

All THERMANN Commercial continuous flow products are backed by a comprehensive warranty on the heat exchanger and on heater parts and labour.

50L



Heat Exchanger



Parts and Labour

32R



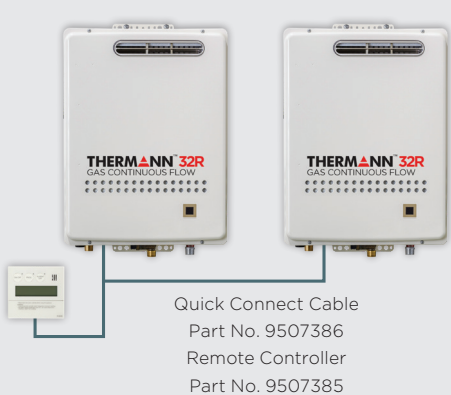
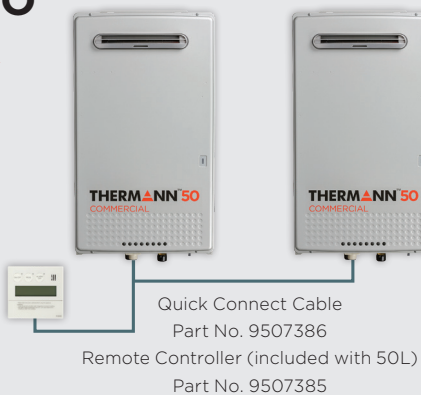
Heat Exchanger



Parts and Labour

## CONNECTING TWO UNITS TOGETHER

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



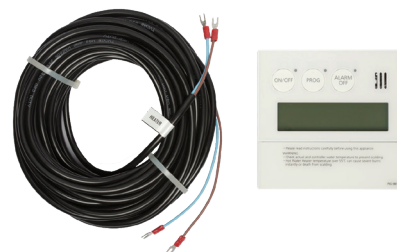
# OUR INTELLIGENT MANIFOLD SYSTEM

## ROTATION

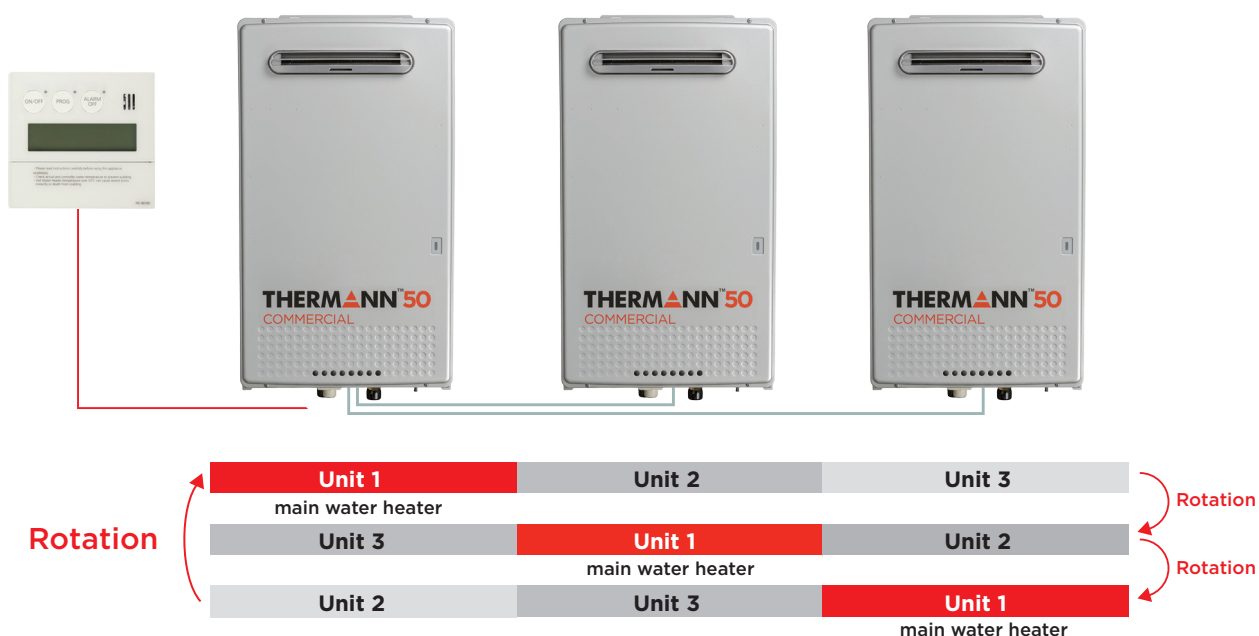
In a manifold system, the individual THERMANN Commercial units will communicate with one another and work in unison to even out the load between the units, maximising output and system life.

## 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.



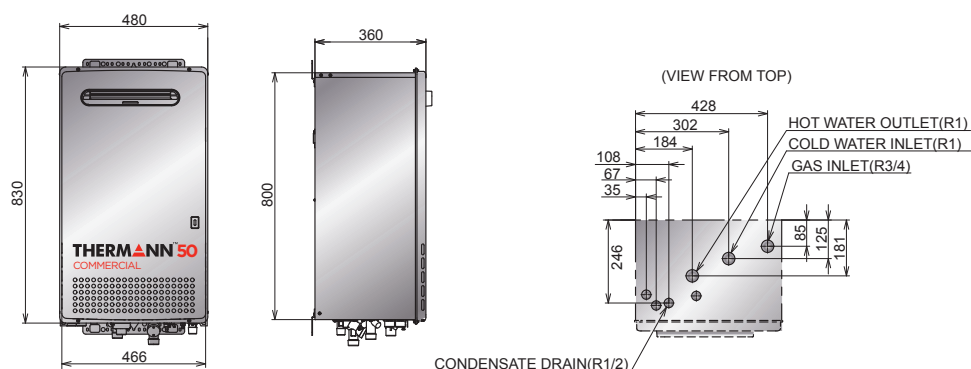
# THERMANN COMMERCIAL CONDENSING

# 50L

- ▶ The THERMANN 50L model delivers savings - less time to install, less materials used and less space consumed than equivalently sized manifolded arrangements
- ▶ Condensing technology delivers up to 95%\* heating efficiency providing running cost savings
- ▶ Low NOx burner provides improved emissions and air quality
- ▶ Designed for commercial applications using robust heat exchangers with thicker pipes and fins
- ▶ Modular design enabling up to 6 units to be linked together with a system controller, can deliver 300L/min
- ▶ Come standard with a remote controller in the box.



## 50L OUTDOOR DIMENSIONS



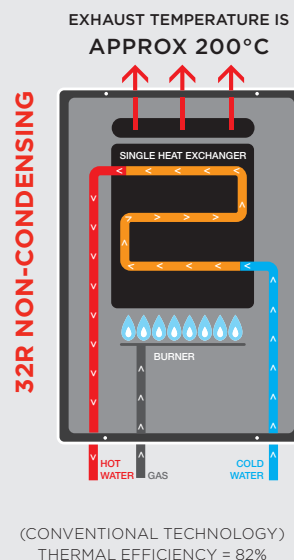
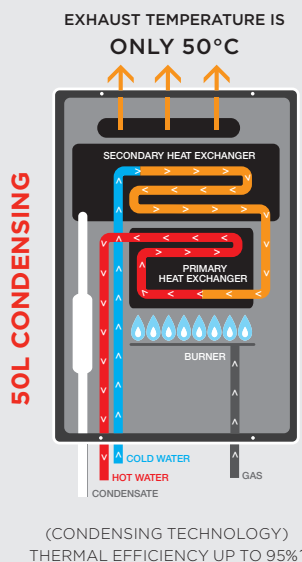
## PERFORMANCE DATA

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

## 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.



# 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.

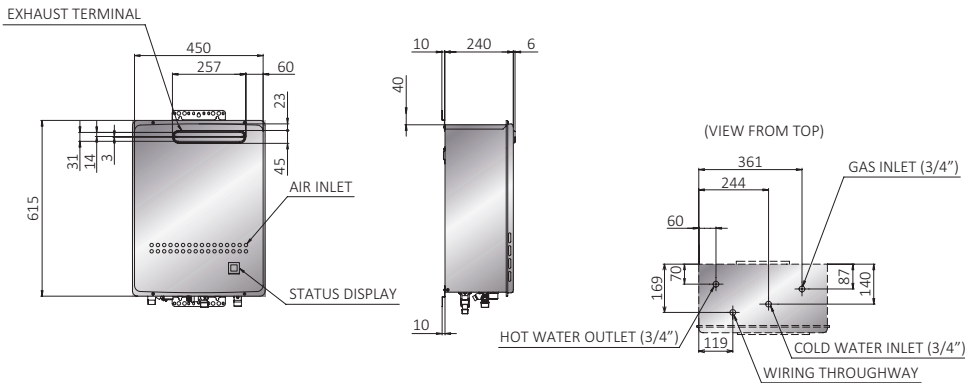
The 32R can be linked to a second 32R to deliver up to 64L/min, perfect for supplying large new homes and small commercial applications.

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.



## 32L 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

## SIZE REALLY DOES MATTER

Superior robust commercial components such as heat exchangers with 25% thicker pipes and 20% thicker fins allow the THERMANN Commercial continuous flow range to meet the higher water use 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.



# SPECIFICATIONS

MODEL		50L Outdoor	32R Outdoor
Product Codes		50L Outdoor NG - 1307010 50L Outdoor LPG - 1307011	32R Outdoor NG - 9509751 32R Outdoor LPG - 9509753
Capacity L/min @ 25°C 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.

## COMMERCIAL ACCESSORIES

ACCESSORY	DESCRIPTION	PART NUMBER	
<b>SYSTEM CONTROLLERS (50L MODELS ONLY)</b> The system controller is designed to link up to 6 continuous flow systems, allowing cascade and rotation functions.	<b>System control for up to 6 continuous flow Units:</b>		
	System Controller for 1-6 units	9507379	
	3m Connection Cable	9507380	
<b>COMMERCIAL CONTROLLER AND CABLE</b> (comes in box with 50L, needs to be ordered for 32R)	Commercial Controller inc cable	9507385	
<b>CONTROLLER ACCESSORIES 32R ONLY</b>	Residential Main Controller	9507958	
	Residential Bathroom 1 Controller	9507959	
	Residential Bathroom 2 Controller	9507960	
<b>QUICK CONNECT CABLE</b> 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	
<b>FLUE DIVERTER</b>	Upward model	50L - 1307018	32R - 1309046
<b>PIPE COVER</b>	32R only	1309045	

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All products enjoy a product replacement warranty. #For full warranty details visit [www.reece.co.nz/warranties](http://www.reece.co.nz/warranties)

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**THERMANN**  
COMMERCIAL

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