

THERMANN™

COMMERCIAL GUIDE

GAS CONTINUOUS FLOW WATER HEATERS
FOR COMMERCIAL & HIGH USE PROJECTS



The background of the page is a high-contrast, black and white photograph of water splashing. The water droplets are captured in mid-air, creating a dense, textured pattern of bright white spots against a dark, blurred background. The splash appears to be coming from the right side of the frame, moving towards the left.

CONTENTS

Our Thermann commercial range	5
Our intelligent manifold system	10
System dimensions & technical specifications	16
Technical specifications & manifold codes	23

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

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

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

Our range has the ability to link together from 2 up to 24 units and the capacity to meet hot water flow rates of as low as 2.5L/min up to a massive 1,200L/min.

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

WARRANTY

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

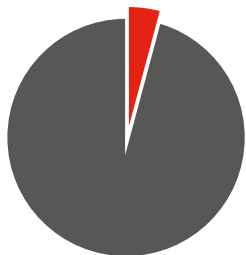


Parts and
Labour

ROBUST COMMERCIAL DESIGN

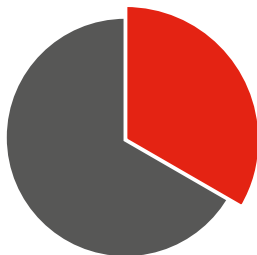
The THERMANN Commercial range is designed for commercial applications which have greater daily water usage.

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 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 28L & 32L
COMMERCIAL
HEAT EXCHANGER



THERMANN 50L
COMMERCIAL
HEAT EXCHANGER



OUR THERMANN **COMMERCIAL 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 Australian market. It is specially designed for applications that demand extra delivery of hot water with a smaller footprint. This product is exclusive to Thermann.

- 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 24 units to be linked together providing flow rates as low as 2.5L/min up to 1,200L/min.

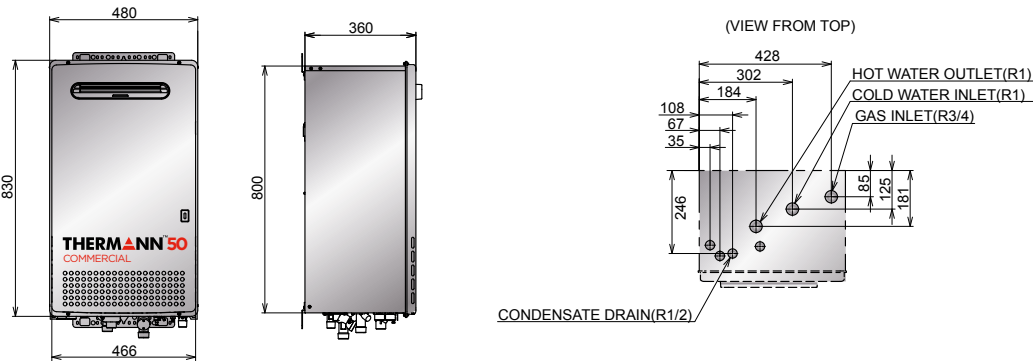
► Low NOx burner provides improved emissions and air quality.

► 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

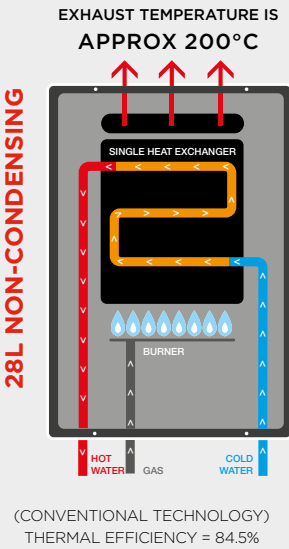
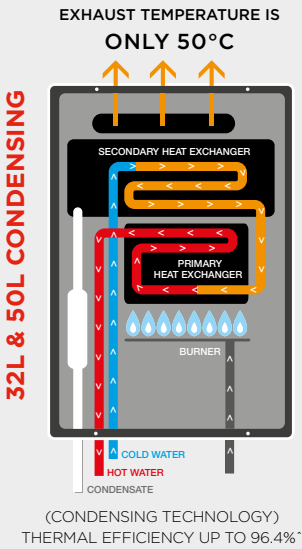
50L OUTDOOR DIMENSIONS



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.



THERMANN COMMERCIAL CONDENSING

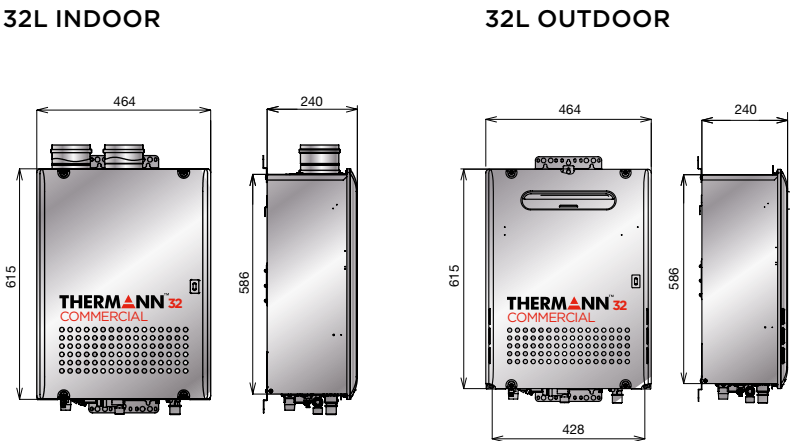
32L



CONDENSING MODELS

- ▶ Condensing technology delivers up to 96.4%* heating efficiency providing running cost savings.
- ▶ Designed for commercial applications using robust heat exchangers with thicker pipes and fins.
- ▶ Indoor room sealed models available with horizontal or vertical discharge and open flue options.
- ▶ Modular design enabling up to 24 units to be linked together providing flow rates as low as 2.5L/min up to 768L/min.
- ▶ Low NOx burner provides improved emissions and air quality.
- ▶ Commercial grade components throughout with a durable silver finish.

32L INDOOR & OUTDOOR DIMENSIONS



PERFORMANCE DATA

MODEL		32L Outdoor	32L Indoor
FLOW RATE L/min	Max	42	42
	20°C rise	40	40
	25°C rise	32	32
	35°C rise	23	23
	50°C rise	16	16
	60°C rise	13	13
	70°C rise	11	11

THERMANN COMMERCIAL
NON-CONDENSING

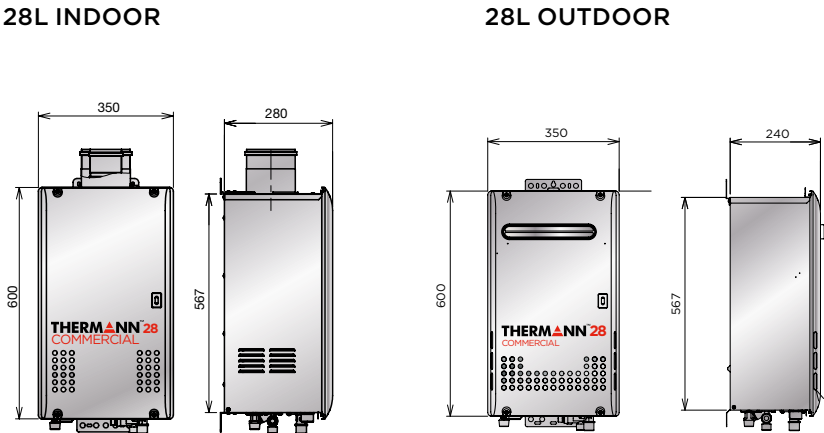
28L



NON-CONDENSING MODELS

- ▶ Designed for commercial applications using robust heat exchangers with thicker pipes and fins.
- ▶ Modular design enabling up to 24 units to be linked together providing flow rates as low as 2.5L/min up to 672L/min.
- ▶ The low NOx burner provides improved emissions and air quality.
- ▶ Indoor and outdoor models available.
- ▶ Slim 350mm width design enabling replacement of existing units.
- ▶ Commercial grade components throughout with a durable silver finish.
- ▶ Indoor room sealed models available with horizontal or vertical discharge and open flue options.

28L INDOOR & OUTDOOR DIMENSIONS



PERFORMANCE DATA

MODEL		28L Outdoor	28L Indoor
FLOW RATE L/min	Max	37	37
	20°C rise	35	35
	25°C rise	28	28
	35°C rise	20	20
	50°C rise	14	14
	60°C rise	12	12
	70°C rise	10	10



OUR INTELLIGENT MANIFOLD SYSTEM

OUR INTELLIGENT MANIFOLD SYSTEM

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

INTELLIGENT MANIFOLD SYSTEM

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

STORAGE OPTIONS

Manifold systems are designed to be used with or without storage tanks. The design is also suitable for systems with or without flow and return piping systems.

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:

- Can control tank circulation pump
- Tank thermostats can be connected
- 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.

EASE OF INSTALLATION

The modular manifold system is designed to fit into building lifts and easy to disassemble or reassemble on-site if required.



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.

BMS

The system controller can be set up to deliver signals to external BMS systems.



ROTATION FUNCTION



Unit rotation every 8 hours of use.

CASCADING FUNCTION

Up to 24 THERMANN Commercial units can be linked together with a single system controller. This allows variable outputs from 2.5L/min up to 1,200L/min to match the load requirement.



A SOLUTION FOR EVERY APPLICATION

Thermann Commercial continuous flow water heaters can be ordered either mounted on frame or supplied separately.

- ▶ Modular configuration allows up to 12 units to be manifolded, in combinations of 2 and 3 water heater frames.
- ▶ Frames feature a solid steel, hot dip galvanised construction and are wind rated up to 100m above ground in regions A&B and terrain category 2.
- ▶ All frames feature factory mounted UV stable insulated cold & hot water header pipes, and a gas line.
- ▶ Suitable for outdoor and indoor installations.
- ▶ All frames come with flexible connections to water heaters.
- ▶ Manifold frame installation options; Wall mount, floor mount or back to back.
- ▶ There are 6 different frames available;
 - 28L; 2 unit or 3 unit option
 - 32L; 2 unit or 3 unit option
 - 50L; 2 unit or 3 unit option



FACTORY MOUNTED OPTION

- ▶ Water heaters are mounted to the frame (ex-factory) and shipped to site pre-assembled.
- ▶ Manifold systems arrive to site ready for connection to gas and water.
- ▶ Combinations of 2 and 3 manifold frames can be combined for systems up to 12 units.
- ▶ Frames can be ordered with or without feet to suit wall or floor mounting and also with the option for 'back-to back' installation.
- ▶ Systems are custom built to specification.

Perfect for:

- ▶ New construction.
- ▶ Large, commercial fit-outs.
- ▶ Sites with goods lifts to plant level.
- ▶ Sites with crane access.
- ▶ Reducing installation time on-site.
- ▶ Only available in 32L and 28L models' for the Factory Mounted option

SITE MOUNTED OPTION

- ▶ Water heaters are not mounted to frame and require assembly onto the frame onsite.
- ▶ Frame comes with pipes, valves and hoses attached.
- ▶ Available to order in 2 & 3 manifold kits.
- ▶ All kit models suit 'wall' or 'floor' mounting (feet are provided with all models, & can be fitted if required).
- ▶ Once assembled on-site, the units will be as per a complete systems supplied.
- ▶ 'Back to back' configurations are available on request.

Perfect for:

- ▶ Sites with access limitations.
- ▶ Lifts on site to plant level are not available or inadequate.
- ▶ Retrofit situations.
- ▶ For 'emergency' replacement situations where a solution is required quickly.

Note: 50L models come as site mounted option only.

VARIATIONS OF THE SAME SYSTEM

CHOICE

In addition to factory mounted configurations, there is also the option of ordering select 1, 2 & 3 manifold models with site mounted continuous flow water heaters.

Frames (including pre-fitted manifold pipework and flexible hoses), water heaters, and an accessory box are shipped to site separately, and assembled onsite.

This is perfect for retrofit applications, where site limitations are known and a speedy solution is required.

EXAMPLE SYSTEM CONFIGURATION 2 X 28L MANIFOLD

FACTORY MOUNTED SYSTEM

T22800ENF



1 manifold, 2 x 28L/min Units
FACTORY MOUNTED
(1 X T228ENF)



Accessory box
Remote controller & cable,
quick-connect cable and
40mm end caps
(1 x CFAB020)

SITE MOUNTED SYSTEM - JUST ADD 'K' TO THE PRODUCT CODE WHEN ORDERING

T22800ENFK



2 x 28L/min Water
Heaters
(2 x TH28ENR6N)

1 x 2 Unit 28L/min
Frame
(1 X CFFA228K)

Accessory box
Remote controller & cable,
quick-connect cable and
40mm end caps
(1 x CFAB020)

ACCESSORY BOXES

- ▶ All Thermann Commercial manifolded water heaters come standard with an accessory box.
- ▶ Each accessory box typically contain a mixture of pumps, system controllers, remote controllers, unions, cables and end caps.
- ▶ The components of these boxes vary depending on the system type.
- ▶ The most common accessory boxes are displayed on pages 14 & 15.

NO STORAGE TANK SYSTEMS

2 PACK WITHOUT TANK



- ▶ 28L & 32L; CFAB020
- ▶ 50L; CFAB027

3 PACK WITHOUT TANK



- ▶ 28L; CFAB007

3 PACK WITHOUT TANK



- ▶ 32L; CFAB019
- ▶ 50L; CFAB029

VARIATIONS OF THE SAME SYSTEM

EXAMPLE SYSTEM CONFIGURATION 3 X 32L MANIFOLD WITH TANK

FACTORY MOUNTED SYSTEM

T33213ENF



1 manifold, 3 x 32L/min Units
FACTORY MOUNTED (T332ENF)



Accessory box

Thermostat, pump, unions and pump lead, 40mm endcaps
(1 x CFAB017)



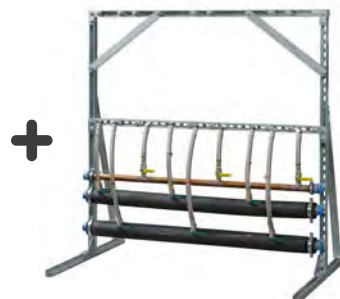
1 x 315 litre
Storage tank
(315THMCO)

SITE MOUNTED SYSTEM - JUST ADD 'K' TO THE PRODUCT CODE WHEN ORDERING

T33213ENFK



3 x 32L/min Water Heaters
(3 x TH32ECR6N)



1 x 3 Unit 32L/min Frame
(1 x CFFA332K)



Accessory box

Thermostat, pump, unions and pump lead, 40mm end caps
(1 x CFAB017)



1 x 315 litre
Storage tank
(315THMCO)

WITH STORAGE TANK SYSTEMS

1 UNIT WITH TANK



- ▶ 28L; CFAB026
- ▶ 32L & 50L; CFAB025

2 - 3 PACK WITH TANK



- ▶ 28L; CFAB018
- ▶ 32L; CFAB017

2 - 3 PACK WITH TANK



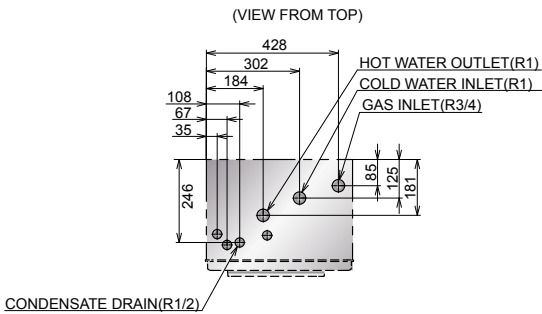
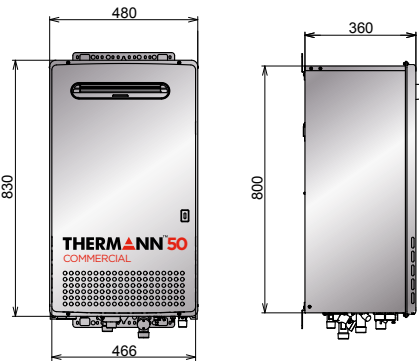
- ▶ 2 or 3 unit 50L;
CFAB028

The background of the entire page is a close-up photograph of numerous water droplets of varying sizes. The droplets are most prominent in the lower-left and upper-right areas, while the center features a darker, more textured area where the droplets are smaller and more densely packed. The lighting creates highlights on the curved surfaces of the droplets, giving them a three-dimensional appearance.

SYSTEM DIMENSIONS & TECHNICAL SPECIFICATIONS

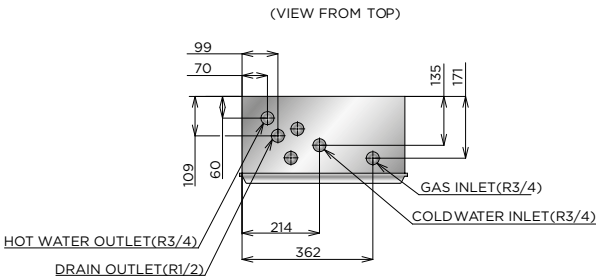
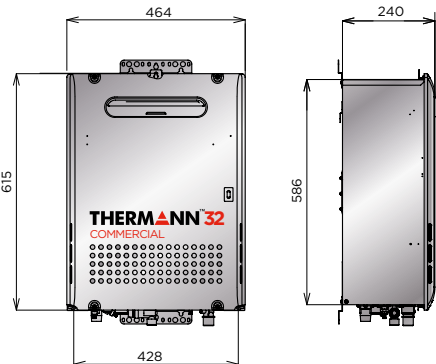
OUTDOOR DIMENSIONS

50L OUTDOOR UNIT

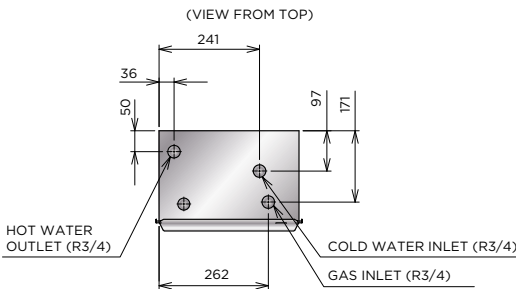
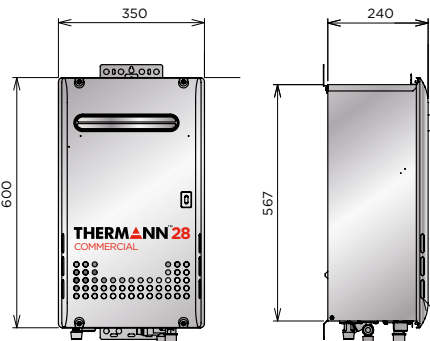


Compatible with DUX 50L Flue Diverter part Code: 1307018

32L OUTDOOR UNIT



28L OUTDOOR UNIT

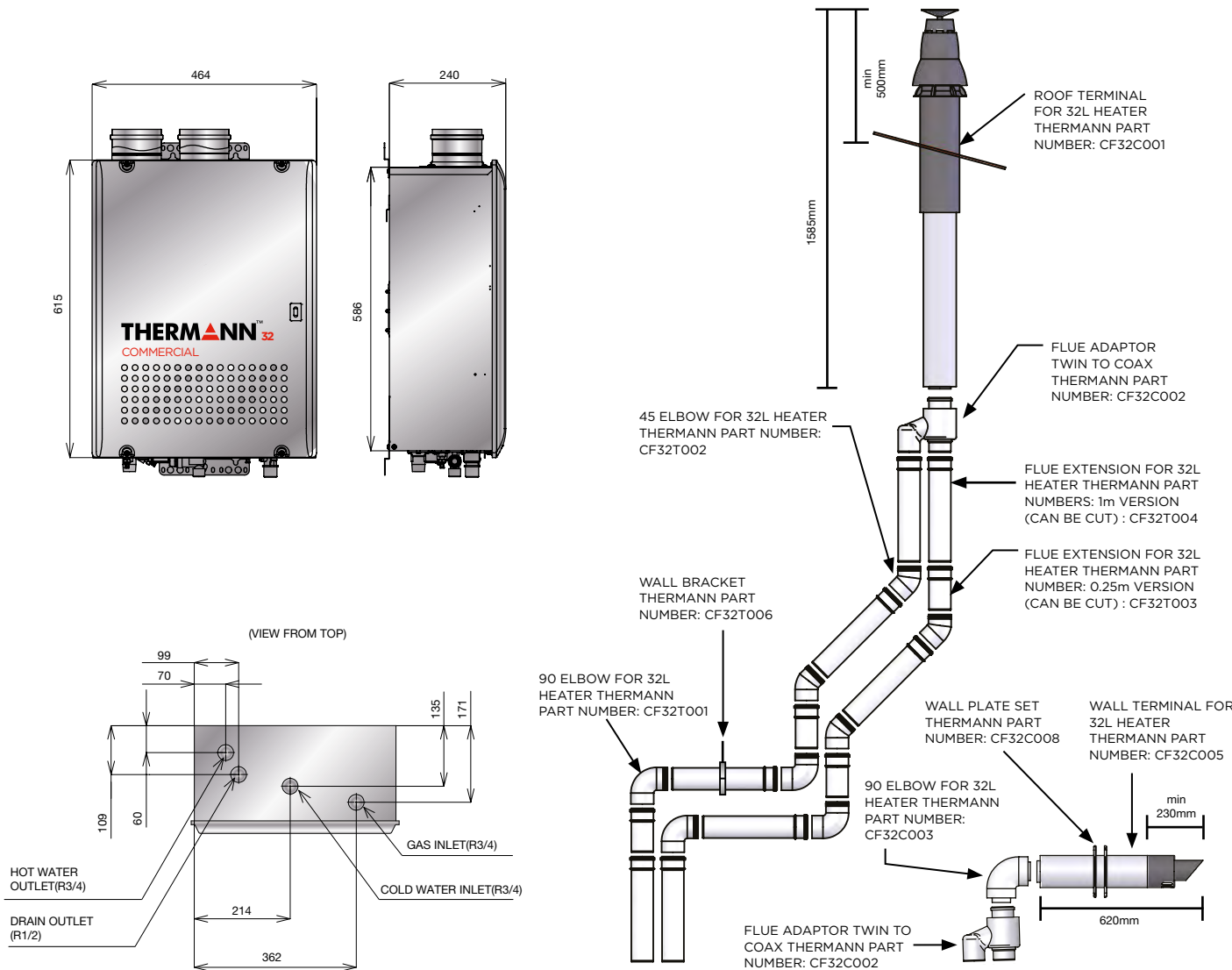


32L INDOOR

SPECIFICATION AND FLUEING ACCESSORIES

32L INDOOR UNIT

32L TWIN FLUEING OPTIONS



Number of elbows	0	1	2	3
Max length meters	14	12	11	9

Installation must comply with AS/NZS 5601

32L INDOOR FLUEING ACCESSORIES

The Thermann Commercial 32L is a room sealed unit that uses a twin flue system. One pipe allows exhaust gases to travel out of the continuous flow heater, whilst the other pipe allows air in for combustion. The flue pipes are constructed from Polypropylene (PP), ensuring they are lightweight and easy to work with. PP pipes can be used on the 32 as it's a condensing unit with lower temperature exhaust gases.



ROOF TERMINAL
Thermann Part # 9507661
CF32C001
COAX 100/150



WALL TERMINAL
Thermann Part # 9507664
CF32C005
COAX 100/150



ELBOW 90°
Thermann Part # 9507665
CF32T001
ELBOW TWIN 90° 100



ELBOW 45°
Thermann Part # 9507666
CF32T002
ELBOW TWIN 45° 100



ELBOW 90° COAXIAL 100-150
Thermann Part # 9507663
CF32C003
ELBOW TWIN 90° 100



FLUE EXTENSION
Thermann Part # 9507667
CF32T003
0.25M TWIN 100
(CAN BE CUT)



WALL BRACKET
Thermann Part # 9507669
CF32T006
Wall bracket is required to secure the flue part to the wall.



KIT-OPEN FLUE ADAPTOR 32L
Thermann Part # 9508213
CF32K001
The kit is only required for installations with air intake from room. Dipswitch 3 on when used.



FLU ADAPTOR - TWIN TO COAX
Thermann Part # 9507662
CF32C002
This component is required with wall and roof terminals in case of room sealed installation.



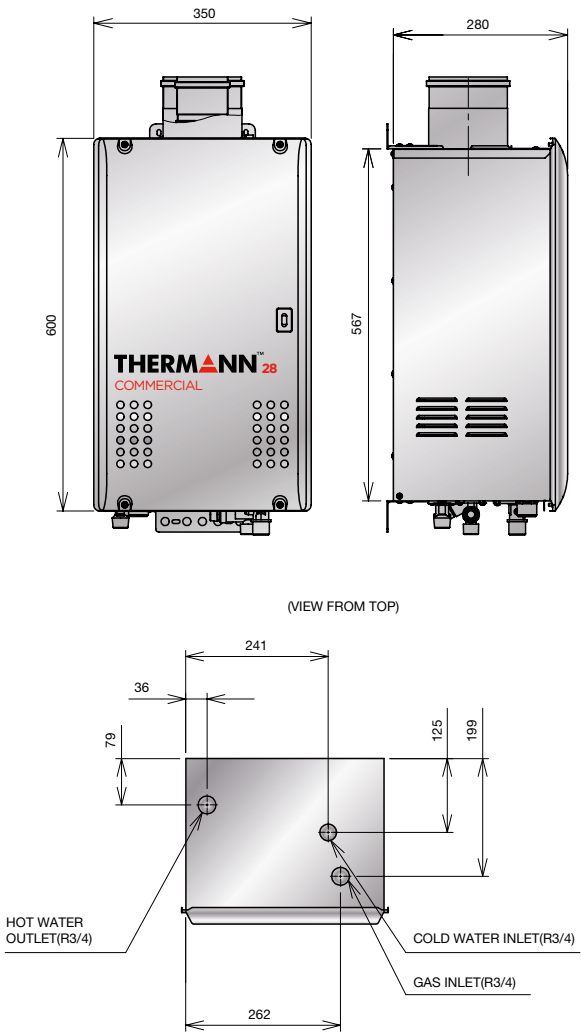
WALL PLATE SET 150
Thermann Part # 9507887
CF32C008

FLUE EXTENSION
Thermann Part # 9507668
CF32T004
1.0M TWIN 100
(CAN BE CUT)

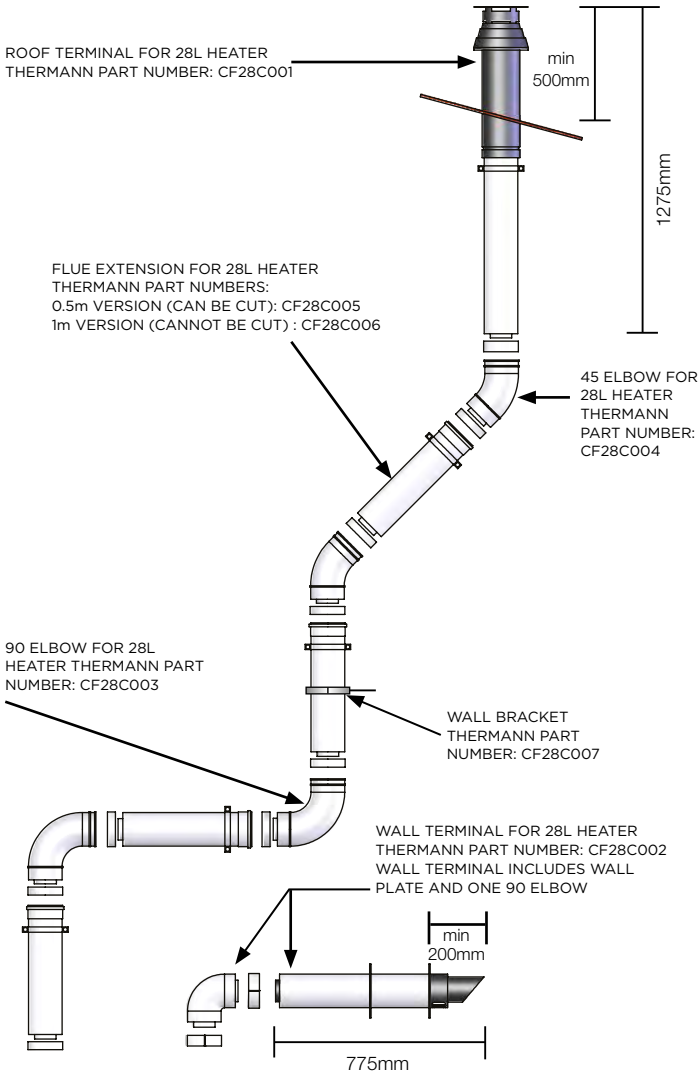
28L INDOOR

SPECIFICATION AND FLUEING

28L INDOOR UNIT



28L FLUEING OPTIONS



Number of elbows	0	1	2	3	4	5	6
Max length meters	13	11	9	7	5	4	2

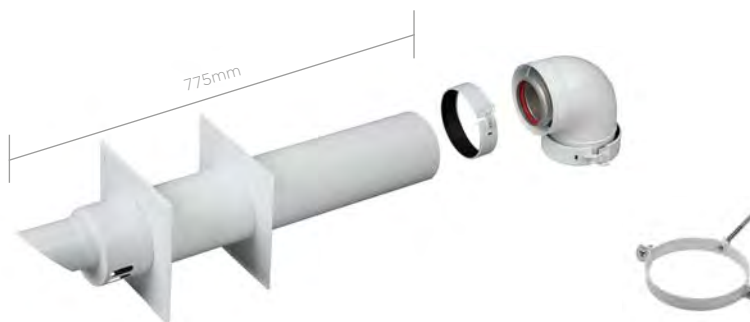
Installation must comply with AS/NZS 5601

28L INDOOR FLUEING ACCESSORIES

The Thermann Commercial 28L Indoor model is designed as a room sealed system that uses a coaxial flue. The flue is made up of a durable, stainless steel inner pipe which carries exhaust gases out of the continuous flow heater to the outdoor atmosphere, whilst the white powder coated steel outer pipe draws air in for combustion.



ROOF TERMINAL
Thermann Part # 9507653
CF28C001
COAX 80/125



WALL TERMINAL
Thermann Part # 9507654
CF28C002
COAX 80/125
Wall terminal includes wall plate set and one 90° elbow

WALL BRACKET 125
Thermann Part # 9507659
CF28C007
Wall bracket is required to secure the flue parts to the wall



Elbow 90°
Thermann Part # 9507655
Cf28c003
Coax 90° 80/125



ELBOW 45°
Thermann Part # 9507656
CF28C004
COAX 45° 80/125



**KIT-OPEN
FLUE ADAPTER 28L**
Thermann Part # 9508212
CF28K001
Dipswitch 3 on when used



FLUE EXTENSION
Thermann Part # 9507657
CF28C005
0.5M COAX 80/125
(CAN BE CUT)

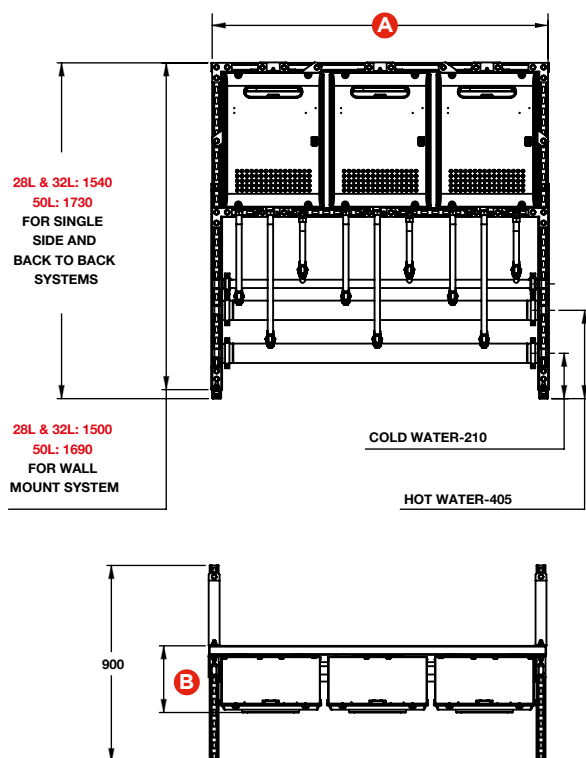
FLUE EXTENSION
Thermann Part # 9507658
CF28C006
1M COAX 80/125
(CANNOT BE CUT)

NOTE

Thermann Commercial continuous flow products are certified for use with these flue components and accessories ONLY.

Be aware that you may have to adjust the dip switches inside the water heater to achieve the specified system performance, depending on the total length of the flue pipe. Refer to the installation instructions for maximum flue lengths, and dipswitch settings.

TANK MANIFOLD SYSTEM DIMENSIONS



QTY OF UNITS	DIMENSION 'A' (MM)	
	28L	32L & 50L
2 UNIT	794	1040
3 UNIT	1170	1540
4 UNIT	1588	2080
5 UNIT	1964	2580
6 UNIT	2340	3080

B: FOR WALL MOUNT SYSTEMS

VERSION	DIMENSION 'B' (MM)
28L OUTDOOR	305
28L INDOOR	335
32L OUTDOOR	310
32L INDOOR	295
50L OUTDOOR	420

WEIGHT: MANIFOLD SYSTEM (KG)

VERSION	CRATED		UNCRTED	
	FRAME ONLY	FRAME INC. HEATER	FRAME ONLY	FRAME INC. HEATER
2 X 28L	110	160	40	90
3 X 28L	125	200	45	120
2 X 32L	115	175	50	110
3 X 32L	145	240	55	140
2 X 50L	115	N/A	50	N/A
3 X 50L	145	N/A	55	N/A

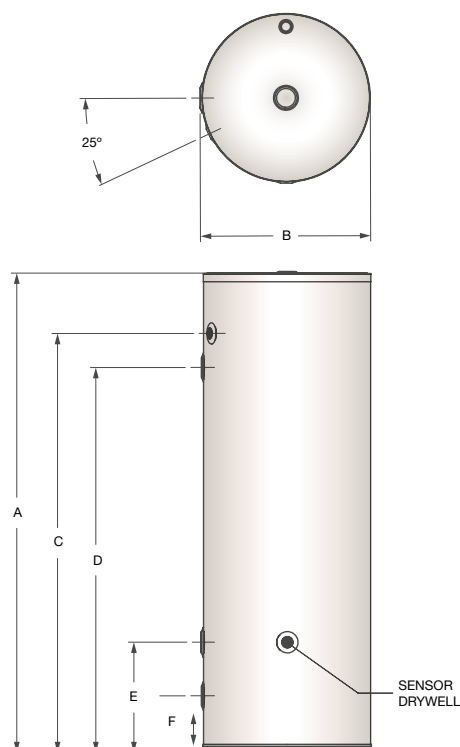
MANIFOLD PIPE SIZING (MM)

MODEL	50L	32L /28L
GAS	50	40
COLD	50	40
HOT	50	40

THERMANN COMMERCIAL STORAGE TANK

NOMINAL DIMENSIONS (MM)		
MODEL	315THMCO 9507377	400THMCO 9507378
Total Height (A)	1765	1705
Total Diameter (B)	615	705
Relief Valve Height (C)	1540	1430
Outlet Height (D)	1415	1430
Return Height (E)	405	390
Inlet Height (F)	210	235
SPECIFICATIONS		
MODEL	315THMCO 9507377	400THMCO 9507378
Storage Capacity (L)	320	420
Net Weight Empty (kg)	93	115
Maximum Operating Pressure (kPa)	800	
Maximum Temperature (°C)	82*	
Connections (mm) Inlet / Outlet / Return	50	
TPR	¾" 1000 kPa	

Note: Tank manifold systems will require a system controller to achieve above 75°C.
*Max manifold system tank temperature is 75°C.



The Thermann Commercial tank is a high performance, high capacity, low maintenance tank, designed for the heavy demand of commercial and industrial applications

FEATURES

- Suitable for water temperature from 60°C to 82°C.
- For heavy demand application the Thermann commercial tanks can be manifolded together for greater flexibility.
- 50mm connections for hi-flow applications.
- Available in 315L and 400L models.
- Y class enamel – commercial grade enamel for durability.
- Australian made.
- Warranty:
 - 5 year tank
 - 2 year parts and labour.



TECHNICAL SPECIFICATIONS & MANIFOLD CODES

INDOOR & OUTDOOR SPECIFICATIONS

MODEL		50L Outdoor	32L Outdoor	32L Indoor	28L Outdoor	28L Indoor
Product Codes		50L Outdoor NG - 1307010 50L Outdoor LPG - 1307011	32L Outdoor NG - 9507241 32L Outdoor LPG - 9507242	32L Internal NG - 9507243 32L Internal LPG - 9507244	28L Outdoor NG - 9507237 28L Outdoor LPG - 9507238	28L Internal NG - 9507239 28L Internal LPG - 9507240
Capacity L/min @ 25°C rise		50	32	32	28	28
Location		Outdoor	Outdoor	Indoor	Outdoor	Indoor
Thermal Efficiency [^] %		95	96.4	96.4	84.5	84.5
Water Pressure (kPa)		200 -800	200 -1,000	200 -1,000	200 -1,000	200 -1,000
Minimum Flow Rate (L/min)		2.5	2.5	2.5	2.5	2.5
Dimensions H x W x D (mm)		830 x 480 x 370	615 X 464 X 240	615 X 464 X 240	600 X 350 X 240	600 X 350 X 280
Weight (kg)		50	32	32	26	26
Connection Sizes	Water Inlet	R1 (25mm)	R 3/4 (20mm)	R 3/4 (20mm)	R 3/4 (20mm)	R 3/4 (20mm)
	Hot Water Outlet	R1 (25mm)	R 3/4 (20mm)	R 3/4 (20mm)	R 3/4 (20mm)	R 3/4 (20mm)
	Gas Inlet	R 3/4 (20mm)	R 3/4 (20mm)	R 3/4 (20mm)	R 3/4 (20mm)	R 3/4 (20mm)
	Drain Line	R 1/2 (15mm)	R 1/2 (15mm)	R 1/2 (15mm)	NA	NA
Power Supply	Supply	230 - 240 VAC (50Hz)	230 - 240 VAC (50Hz)	230 - 240 VAC (50Hz)	230 - 240 VAC (50Hz)	230 - 240 VAC (50Hz)
	Consumption (W)	Operation 83 Freeze Prevention 288	Operation 75 Freeze Prevention 223	Operation 75 Freeze Prevention 223	Operation 75 Freeze Prevention 193	Operation 75 Freeze Prevention 193
Gas Consumption	NG (MJ/hr)	328	217	217	220	205
	ULPG (MJ/hr)	328	217	217	220	205
Gas Pressure	NG (kPa)	1.13 - 3.00	1.13 - 3.00	1.13 - 3.00	1.13 - 3.00	1.13 - 3.00
	ULPG (kPa)	2.75 - 3.50	2.75 - 3.50	2.75 - 3.50	2.75 - 3.50	2.75 - 3.50
Temperature Range pre-set 60	Dipswitch	55, 60, 75, 85	55, 60, 75, 85	55, 60, 75, 85	55, 60, 75, 85	55, 60, 75, 85
	Controller	37 - 85	37 - 85	37 - 85	37 - 85	37 - 85

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

PERFORMANCE DATA

MODEL		50L Outdoor	32L Outdoor	32L Indoor	28L Outdoor	28L Indoor
FLOW RATE L/min	Max	50	42	42	37	37
	20°C rise	50	40	40	35	35
	25°C rise	50	32	32	28	28
	35°C rise	36	23	23	20	20
	50°C rise	25	16	16	14	14
	60°C rise	21	13	13	12	12
	70°C rise	18	11	11	10	10

OUR INTELLIGENT MANIFOLD SYSTEM

		Climate	Warm				Moderate				Alpine/Cold			
		Cold water inlet	20°C				15°C				10°C			
MODEL		Hot water set	40°C	60°C	75°C	85°C	40°C	60°C	75°C	85°C	40°C	60°C	75°C	85°C
	Unit Qty	Minimum flow rate (L/min)	Maximum flow rate (L/min)				Maximum flow rate (L/min)				Maximum flow rate (L/min)			
50L Models														
50L	1	2.5	50	31	23	19	50	28	21	18	42	25	19	17
T25000	2	2.5	100	63	45	38	100	56	42	36	83	50	38	33
T35000	3	2.5	150	94	68	58	150	83	63	54	125	75	58	50
T45000	4	2.5	200	125	91	77	200	111	83	71	167	100	77	67
T55000	5	2.5	250	156	114	96	250	139	104	89	208	125	96	83
T65000	6	2.5	300	188	136	115	300	167	125	107	250	150	115	100
T85000	8	2.5	400	250	182	154	400	222	167	143	333	200	154	133
T105000	10	2.5	500	313	227	192	500	278	208	179	417	250	192	167
T125000	12	2.5	600	375	273	231	600	333	250	214	500	300	231	200
32L Models														
32L	1	2.5	40	20	15	12	32	18	13	11	27	16	12	11
T23200	2	2.5	80	40	29	25	64	36	27	23	53	32	25	21
T33200	3	2.5	120	60	44	37	96	53	40	34	80	48	37	32
T43200	4	2.5	160	80	58	49	128	71	53	46	107	64	49	43
T53200	5	2.5	200	100	73	62	160	89	67	57	133	80	62	53
T63200	6	2.5	240	120	87	74	192	107	80	69	160	96	74	64
T83200	8	2.5	320	160	116	98	256	142	107	91	213	128	98	85
T103200	10	2.5	400	200	145	123	320	178	133	114	267	160	123	107
T123200	12	2.5	480	240	175	148	384	213	160	137	320	192	148	128
28L Models														
28L	1	2.5	35	18	13	11	28	16	12	10	23	14	11	9
T22800	2	2.5	70	35	25	22	56	31	23	20	47	28	22	19
T32800	3	2.5	105	53	38	32	84	47	35	30	70	42	32	28
T42800	4	2.5	140	70	51	43	112	62	47	40	93	56	43	37
T52800	5	2.5	175	88	64	54	140	78	58	50	117	70	54	47
T62800	6	2.5	210	105	76	65	168	93	70	60	140	84	65	56
T82800	8	2.5	280	140	102	86	224	124	93	80	187	112	86	75
T102800	10	2.5	350	175	127	108	280	156	117	100	233	140	108	93
T122800	12	2.5	420	210	153	129	336	187	140	120	280	168	129	112

T22800 + (F or E) + (N or L) + (W, F or B) + (K)*
(Flue or External) + (Natural or ULPG) + (Wall, Floor or Back to Back) + (K/Site Mounted)*
*Indicates that the system can be ordered in kit form. All kits come with feet to enable wall or floor mounting.
Not available in Back to Back configurations. The 50L model only comes as site mounted, not as a factory mounted option.

TANK MANIFOLD SYSTEM WITH STORAGE TANK

- ▶ Tank manifold systems are ideal when large flow rate are required. The 28L, 32L and 50L models can be utilized in a tank manifold system.
- ▶ The tank manifold systems come standard with 28L, 32L or 50L continuous flow water heaters, a THERMANN Commercial storage tank, tank circulating pump and a controlling thermostat.
- ▶ For example, a manifold pack of 12 x 32L units can provide up to 23,840L at a 50°C rise over a 2 hour peak.

MODEL				PEAK LENGTH (L/hr)			
MODEL NUMBER	UNIT QTY	L/hr @ 50°C RISE	STORAGE (L)	1hr	2hr	3hr	6hr
50L Models							
T15014	1	1500	400	1900	3400	4900	9400
T25014	2	3000	400	3400	6400	9400	18400
T35014	3	4500	400	4900	9400	13900	27400
T45024	4	6000	800	6800	12800	18800	36800
T55024	5	7500	800	8300	15800	23300	45800
T65034	6	9000	1200	10200	19200	28200	55200
T85034	8	12000	1200	13200	25200	37200	73200
T105044	10	15000	1600	16600	31600	46600	91600
T125044	12	18000	1600	19600	37600	55600	109600
32L Models							
T13213	1	960	315	1275	2235	3195	6075
T23213	2	1920	315	2235	4155	6075	11835
T33213	3	2880	315	3195	6075	8955	17595
T43213	4	3840	315	4155	7995	11835	23355
T53214	5	4800	400	5200	10000	14800	29200
T63214	6	5760	400	6160	11920	17680	34960
T83223	8	7680	630	8310	15990	23670	46710
T103224	10	9600	800	10400	20000	29600	58400
T123224	12	11520	800	12320	23840	35360	69920
28L Models							
T12813	1	840	315	1155	1995	2835	5355
T22813	2	1680	315	1995	3675	5355	10395
T32813	3	2520	315	2835	5355	7875	15435
T42813	4	3360	315	3675	7035	10395	20475
T52813	5	4200	315	4515	8715	12915	25515
T62814	6	5040	400	5440	10480	15520	30640
T82823	8	6720	630	7350	14070	20790	40950
T102823	10	8400	630	9030	17430	25830	51030
T122824	12	10080	800	10880	20960	31040	61280

T22813 + (F or E) + (N or L) + (W, F or B) + (K)*

(Flue or External) + (Natural or ULPG) + (Wall, Floor or Back to Back) + (K/Site Mounted)*

*Indicates that the system can be ordered in kit form. 2 & 3 manifold kits come with feet to enable wall or floor mounting. Not available in Back to Back configurations.

50L MANIFOLD

SITE MOUNTED CODES

ONE CONTINUOUS FLOW WATER HEATER WITH STORAGE TANK

Manifold Kit Model Number	Water Heater		Frame		Accessory Box		Storage Tank	
	Model	Qty	Model	Qty	Model		Model	
T15014ENWK	TH50ECR6N	1	-	-	CFAB025	1	400THMCO	1
T15014ELWK	TH50ECR6L	1	-	-	CFAB025	1	400THMCO	1

TWO CONTINUOUS FLOW WATER HEATERS WITH AND WITHOUT STORAGE TANK

Manifold Kit Model Number	Water Heater		Frame		Accessory Box		Storage Tank	
	Model	Qty	Model	Qty	Model		Model	
T25000ELFK	TH50ECR6L	2	CFFA250-K	1	CFAB027	1	-	
T25000ENFK	TH50ECR6N	2	CFFA250-K	1	CFAB027	1	-	
T25014ELFK	TH50ECR6L	2	CFFA250-K	1	CFAB028	1	400THMCO	1
T25014ENFK	TH50ECR6N	2	CFFA250-K	1	CFAB028	1	400THMCO	1

THREE CONTINUOUS FLOW WATER HEATERS WITH AND WITHOUT STORAGE TANK

Manifold Kit Model Number	Water Heater		Frame		Accessory Box		Storage Tank	
	Model	Qty	Model	Qty	Model		Model	
T35000ELFK	TH50ECR6L	3	CFFA350-K	1	CFAB029	1	-	-
T35000ENFK	TH50ECR6N	3	CFFA350-K	1	CFAB029	1	-	-
T35014ELFK	TH50ECR6L	3	CFFA350-K	1	CFAB028	1	400THMCO	1
T35014ENFK	TH50ECR6N	3	CFFA350-K	1	CFAB028	1	400THMCO	1

32L MANIFOLD SITE MOUNTED CODES

ONE CONTINUOUS FLOW WATER HEATER WITH STORAGE TANK

Manifold Kit Model Number	Water Heater		Frame		Accessory Box	Storage Tank
	Model	Qty	Model	Qty	Model	Model
T13213FNWK	TH32FCR6N	1	-	-	CFAB025	315THMCO
T13214FNWK	TH32FCR6N	1	-	-	CFAB025	400THMCO
T13213FLWK	TH32FCR6L	1	-	-	CFAB025	315THMCO
T13214FLWK	TH32FCR6L	1	-	-	CFAB025	400THMCO
T13213ENWK	TH32ECR6N	1	-	-	CFAB025	315THMCO
T13214ENWK	TH32ECR6N	1	-	-	CFAB025	400THMCO
T13213ELWK	TH32ECR6L	1	-	-	CFAB025	315THMCO
T13214ELWK	TH32ECR6L	1	-	-	CFAB025	400THMCO

TWO CONTINUOUS FLOW WATER HEATERS WITH AND WITHOUT STORAGE TANK

Manifold Kit Model Number	Water Heater		Frame		Accessory Box	Storage Tank
	Model	Qty	Model	Qty	Model	Model
T23200ELFK	TH32ECR6L	2	CFFA232-K	1	CFAB020	-
T23200ENFK	TH32ECR6N	2	CFFA232-K	1	CFAB020	-
T23200FLFK	TH32FCR6L	2	CFFA232-K	1	CFAB020	-
T23200FNFK	TH32FCR6N	2	CFFA232-K	1	CFAB020	-
T23213ELFK	TH32ECR6L	2	CFFA232-K	1	CFAB017	315THMCO
T23214ELFK	TH32ECR6L	2	CFFA232-K	1	CFAB017	400THMCO
T23213ENFK	TH32ECR6N	2	CFFA232-K	1	CFAB017	315THMCO
T23214ENFK	TH32ECR6N	2	CFFA232-K	1	CFAB017	400THMCO
T23213FLFK	TH32FCR6L	2	CFFA232-K	1	CFAB017	315THMCO
T23214FLFK	TH32FCR6L	2	CFFA232-K	1	CFAB017	400THMCO
T23213FNFK	TH32FCR6N	2	CFFA232-K	1	CFAB017	315THMCO
T23214FNFK	TH32FCR6N	2	CFFA232-K	1	CFAB017	315THMCO

THREE CONTINUOUS FLOW WATER HEATERS WITH AND WITHOUT STORAGE TANK

Manifold Kit Model Number	Water Heater		Frame		Accessory Box	Storage Tank
	Model	Qty	Model	Qty	Model	Model
T33200ELFK	TH32ECR6L	3	CFFA332-K	1	CFAB019	-
T33200ENFK	TH32ECR6N	3	CFFA332-K	1	CFAB019	-
T33200FLFK	TH32FCR6L	3	CFFA332-K	1	CFAB019	-
T33200FNFK	TH32FCR6N	3	CFFA332-K	1	CFAB019	-
T33213ELFK	TH32ECR6L	3	CFFA332-K	1	CFAB017	315THMCO
T33214ELFK	TH32ECR6L	3	CFFA332-K	1	CFAB017	400THMCO
T33213ENFK	TH32ECR6N	3	CFFA332-K	1	CFAB017	315THMCO
T33214ENFK	TH32ECR6N	3	CFFA332-K	1	CFAB017	400THMCO
T33213FLFK	TH32FCR6L	3	CFFA332-K	1	CFAB017	315THMCO
T33214FLFK	TH32FCR6L	3	CFFA332-K	1	CFAB017	400THMCO
T33213FNFK	TH32FCR6N	3	CFFA332-K	1	CFAB017	315THMCO
T33214FNFK	TH32FCR6N	3	CFFA332-K	1	CFAB017	400THMCO

28L MANIFOLD SITE MOUNTED CODES

ONE CONTINUOUS FLOW WATER HEATER WITH STORAGE TANK

Manifold Kit Model Number	Water Heater		Frame		Accessory Box	Storage Tank
	Model	Qty	Model	Qty	Model	Model
T12813FNWK	TH28FNR6N	1	-	-	CFAB026	315THMCO
T12814FNWK	TH28FNR6N	1	-	-	CFAB026	400THMCO
T12813FLWK	TH28FNR6L	1	-	-	CFAB026	315THMCO
T12814FLWK	TH28FNR6L	1	-	-	CFAB026	400THMCO
T12813ENWK	TH28ENR6N	1	-	-	CFAB026	315THMCO
T12814ENWK	TH28ENR6N	1	-	-	CFAB026	400THMCO
T12813ELWK	TH28ENR6L	1	-	-	CFAB026	315THMCO
T12814ELWK	TH28ENR6L	1	-	-	CFAB026	400THMCO

TWO CONTINUOUS FLOW WATER HEATERS WITH AND WITHOUT STORAGE TANK

Manifold Kit Model Number	Water Heater		Frame		Accessory Box	Storage Tank
	Model	Qty	Model	Qty	Model	Model
T22800ELFK	TH28ENR6L	2	CFFA228-K	1	CFAB020	-
T22800ENFK	TH28ENR6N	2	CFFA228-K	1	CFAB020	-
T22800FLFK	TH28FNR6L	2	CFFA228-K	1	CFAB020	-
T22800FNFK	TH28FNR6N	2	CFFA228-K	1	CFAB020	-
T22813ELFK	TH28ENR6L	2	CFFA228-K	1	CFAB018	315THMCO
T22814ELFK	TH28ENR6L	2	CFFA228-K	1	CFAB018	400THMCO
T22813ENFK	TH28ENR6N	2	CFFA228-K	1	CFAB018	315THMCO
T22814ENFK	TH28ENR6N	2	CFFA228-K	1	CFAB018	400THMCO
T22813FLFK	TH28FNR6L	2	CFFA228-K	1	CFAB018	315THMCO
T22814FLFK	TH28FNR6L	2	CFFA228-K	1	CFAB018	400THMCO
T22813FNFK	TH28FNR6N	2	CFFA228-K	1	CFAB018	315THMCO
T22814FNFK	TH28FNR6N	2	CFFA228-K	1	CFAB018	400THMCO

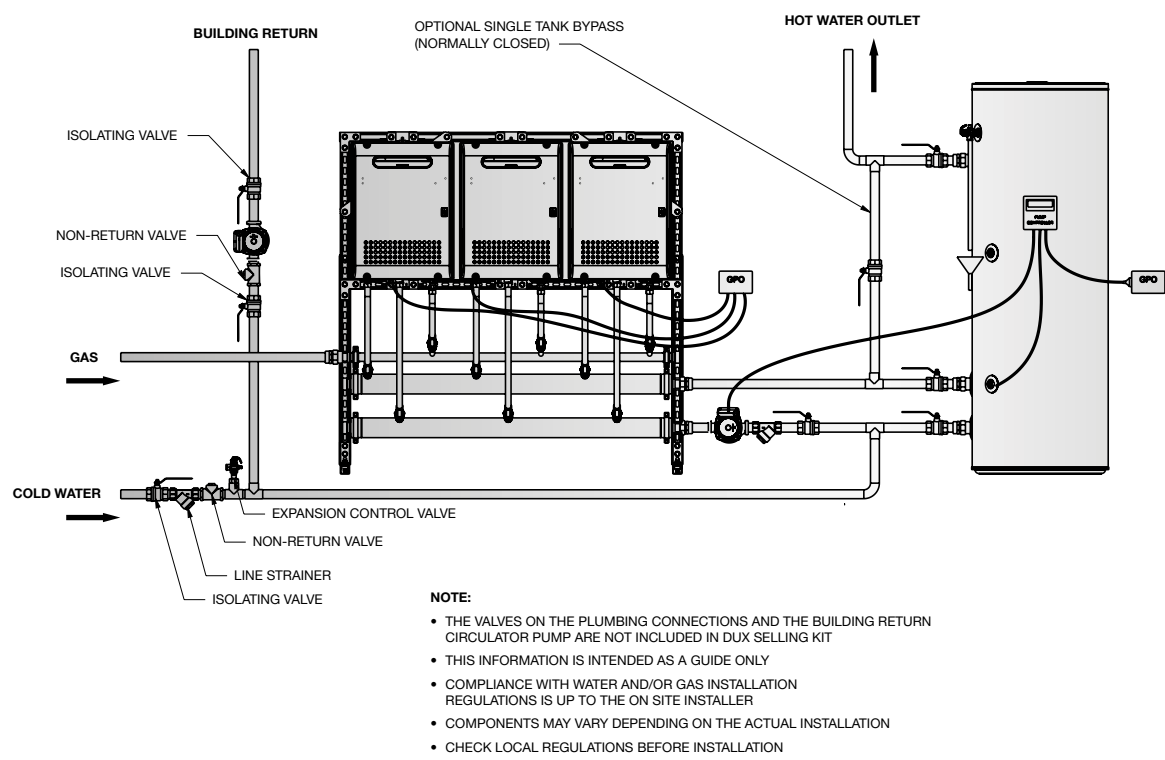
THREE CONTINUOUS FLOW WATER HEATERS WITH AND WITHOUT STORAGE TANK

Manifold Kit Model Number	Water Heater		Frame		Accessory Box	System controller	Storage Tank
	Model	Qty	Model	Qty	Model	Model	Model
T32800ELFK	TH28ENR6L	3	CFFA328-K	1	CFAB007	CF-SC4016M-EX	-
T32800ENFK	TH28ENR6N	3	CFFA328-K	1	CFAB007	CF-SC4016M-EX	-
T32800FLFK	TH28FNR6L	3	CFFA328-K	1	CFAB007	CF-SC4016M-EX	-
T32800FNFK	TH28FNR6N	3	CFFA328-K	1	CFAB007	CF-SC4016M-EX	-
T32813ELFK	TH28ENR6L	3	CFFA328-K	1	CFAB018	-	315THMCO
T32814ELFK	TH28ENR6L	3	CFFA328-K	1	CFAB018	-	400THMCO
T32813ENFK	TH28ENR6N	3	CFFA328-K	1	CFAB018	-	315THMCO
T32814ENFK	TH28ENR6N	3	CFFA328-K	1	CFAB018	-	400THMCO
T32813FLFK	TH28FNR6L	3	CFFA328-K	1	CFAB018	-	315THMCO
T32814FLFK	TH28FNR6L	3	CFFA328-K	1	CFAB018	-	400THMCO
T32813FNFK	TH28FNR6N	3	CFFA328-K	1	CFAB018	-	315THMCO
T32814FNFK	TH28FNR6N	3	CFFA328-K	1	CFAB018	-	400THMCO

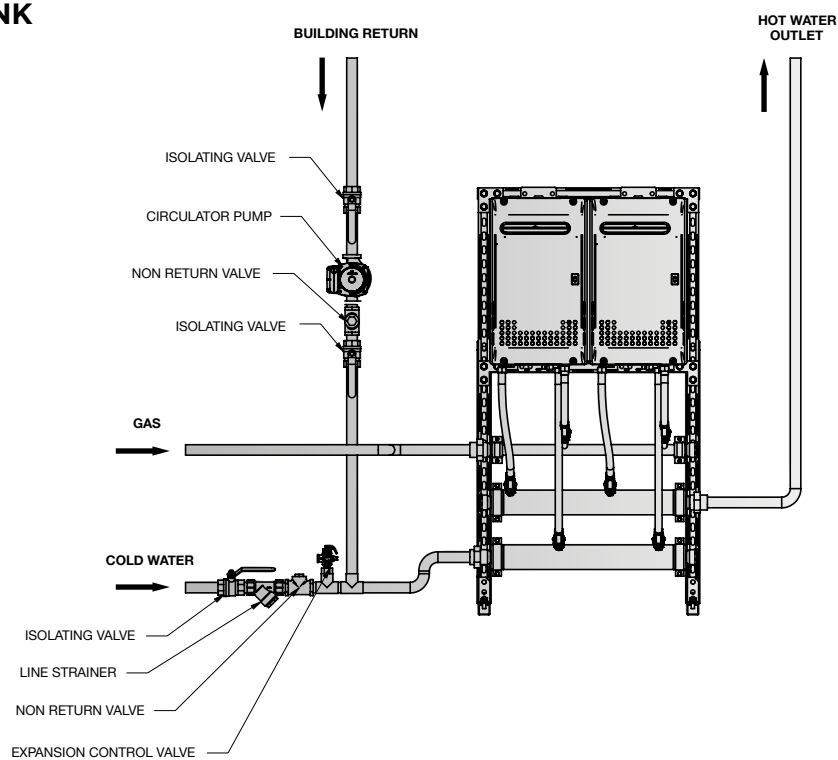
INSTALLATION DIAGRAM

CONTINUOUS FLOW

WITH TANK



WITHOUT TANK



COMMERCIAL ACCESSORIES

ACCESSORY	DESCRIPTION	PART NUMBER
SYSTEM CONTROLLERS The system controller is designed to link up to 12 continuous flow systems, allowing cascade and rotation functions.	System control for up to 6 Continuous Flow Units: (For 32L & 50L models only)	
	System controller 1-6	9507379
	3m Connection Cable	9507380
	5m Connection Cable	9507381
	System controller for up to 12 Continuous Flow Units	
	System controller 1- 12	9507382
	3m Connection Cable	9507383
	5m Connection Cable	9507384
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.	Remote Controller	Internal 9507385
		External 1307003
QUICK CONNECT CABLE The quick connect cable is used when linking 2 continuous flow units only.	Quick connect cable 2M	9507386
	NOTE: Remote controller needed for operation	
TANK RECIRCULATION PUMPS To connect continuous flow systems to storage tanks.	Pump for up to six 28L continuous flow heaters	
	Circulation pump (UPS 25-80)	1360137
	Unions	1360139
	Pump for up to six 32L or 50L continuous flow heaters	
	Circulation pump (UPS 32-100)	1360136
	Unions	1360138
TANK THERMOSTAT	Alphastatplus	1360135
FLUE DIVERTER	Upward model, suits 50L ONLY	CFC97



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