

TANKPAK SERIES 2®

Tankpak Series 2®

The Rheem Tankpak Series 2 combines the benefits of mains pressure and continuous flow water heating. Manifolded banks of Continuous Flow Water Heaters (CFWH) meet the peak demand period requirements whilst the storage tank provides buffer for peak simultaneous demands.

Range

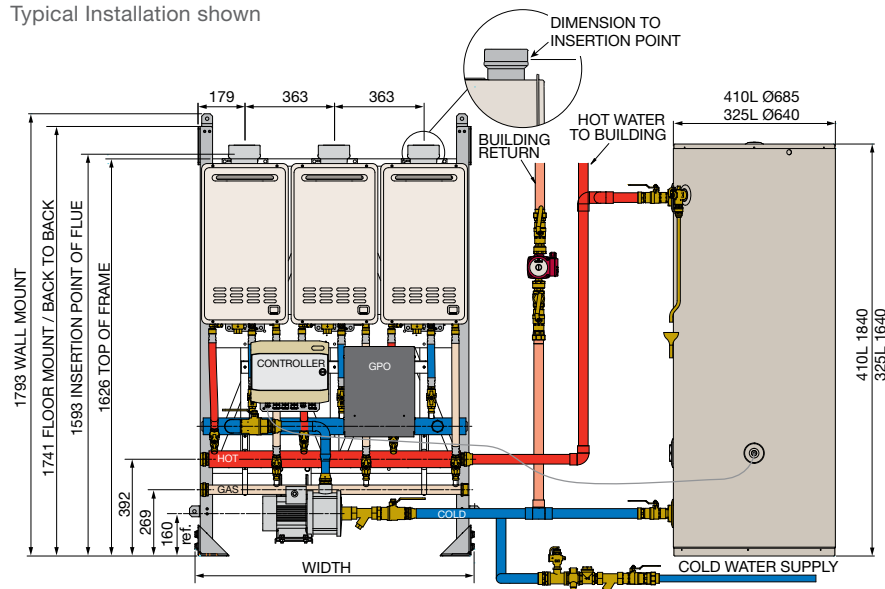
Rheem Tankpak Series 2 is available from 1²⁰ to 18 Continuous Flow Water Heaters (CFWH) with 1 to 3 storage tanks depending on system size. Systems are available in a variety of mounting configurations, model dependant, including wall, floor or back to back (refer technical data for details). Rheem Tankpak Series 2 is supplied with the controller and pump

factory assembled²⁰. The Deluxe version also includes in line strainer and water heater power sockets. Systems with 1²⁰ to 7 CFWH are supplied with plug and lead. Larger systems require a single hard wired connection by an electrician.

Plumbing is supplied right handed but can be field altered for left hand to suit installation requirements.

WALL MOUNT (W) / FLOOR MOUNT (F) / BACK TO BACK (B)
FRONT VIEW

Typical Installation shown



TANKPAK MODEL	INTERNAL EXTERNAL	TPI 01 TPE 01	TPI 02 TPE 02	TPI 03 TPE 03	TPI 04 TPE 04	TPI 05 TPE 05	TPI 06 TPE 06	TPI 07 TPE 07
Thermal Input	MJ/h	205	410	615	820	1025	1230	1435
Recovery Rate at 50°C rise	L/hr	825	1645	2470	3290	4115	4935	5760
Mounting options		W	W/F	W/F	W/F/B	W/F/B	W/F/B	W/F/B
Storage Tanks		1 x 610340 1 x 610430	1 x 610340 1 x 610430	1 x 610340 1 x 610430	1 x 610340 1 x 610430	- 1 x 610430	- 1 x 610430	- 1 x 610430
1st Hour Capacity (340L)	Litres	1150	1970	2795	3615	-	-	-
1st Hour Capacity (430L)	Litres	1230	2055	2880	3700	4525	5345	6170
Electrical Supply (240V/50Hz)	Amps	0.75	4.0	4.8	5.5	7.0	7.8	8.6
Electrical Connection		1.8m 10A Plug and Lead per CFWH						
PHWF & PHWR Pipe Size	mm	25	40	40	40	40	40	50
Natural Gas Pipe Size	mm	20	40	40	40	40	40	50
Propane Gas Pipe Size	mm	20	40	40	40	40	40	40
Width (Inline)	mm	360	1132	1132	1495	2239	2239	2965
Width (Back to Back)					1132	1132	1132	1495
Weight Empty (W/B) ²¹	kg	24	150	176	216/206	298/237	330/268	387/311

²⁰ Tankpak models with 1 x CFWH are supplied with CFWH, pump & controller separately. The CFWH must be mounted on a vertical wall.

²¹ Weight includes CFWH unit, storage tank, pump, frame and preassembled manifolds.

Features Include:

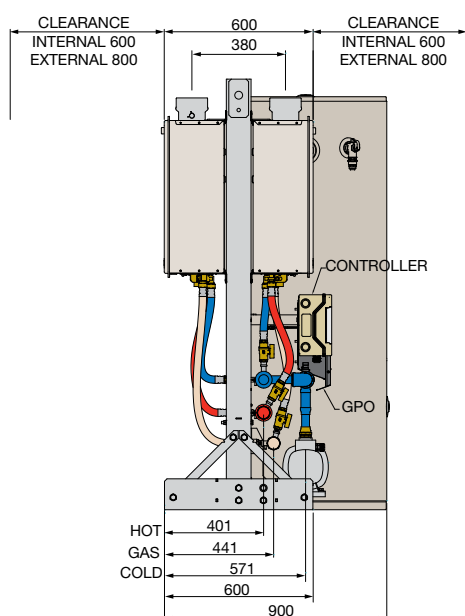
- 84% thermal efficiency 6.0 Star heat source
- Heavy duty storage tank up to 82°C operation
- Large flow 50mm storage tank fittings
- Fully hot dip galvanised frame
- Natural gas and propane models

Benefits Include:

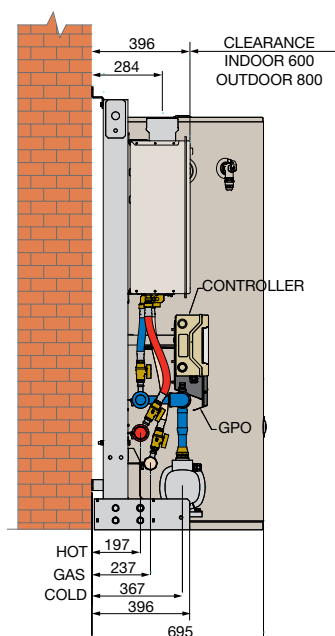
- Improved installation time and confidence
- High recovery
- Mains pressure performance
- Reduced footprint
- Redundancy backup



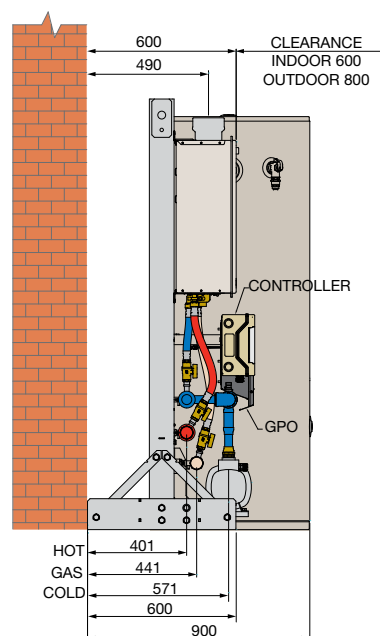
BACK TO BACK (B)



WALL MOUNT (W)



FLOOR MOUNT (F)



TANKPAK MODEL	INTERNAL EXTERNAL	TPI 08 TPE 08	TPI 09 TPE 09	TPI 10 TPE 10	TPI 12 TPE 12	TPI 14 TPE 14	TPI 16 TPE 16	TPI 18 TPE 18
Thermal Input	MJ/h	1640	1845	2050	2460	2870	3280	3690
Recovery Rate at 50°C rise	L/hr	6580	7405	8225	9875	11520	13165	14810
Mounting options		W/F/B	W/F/B	B	B	B	B	B
Storage Tanks		-	-	-	-	-	-	-
		2 x 610430	2 x 610430	2 x 610430	2 x 610430	3 x 610430	3 x 610430	3 x 610430
1st Hour Capacity (340L)	Litres	-	-	-	-	-	-	-
1st Hour Capacity (430L)		7400	8225	9045	10695	12750	14395	16040
Electrical Supply (240V/50Hz)	Amps	10.6	11.4	12.2	14.8	15.5	16.9	18.5
Electrical Connection		240V 50Hz Single hard wired connection						
PHWF & PHWR Pipe Size	mm	50	50	50	50	65	65	80
Natural Gas Pipe Size	mm	50	65	65	65	65	80	80
Width (Inline)	mm	2965	3346	-	-	-	-	-
Width (Back to Back)		1495	2239	2239	2239	2965	2965	3346
Weight Empty (W/B) ²¹	kg	423/347	497/429	459	527	611	672	776
Product code example	No. of units	Gas Type	Mounting option		Option		No. of Tanks and model	
TPE (external) + or TPI (internal)	10 +	N (Natural gas) + or P (propane)	B (Back to Back) + or W (Wall Mount) or F (Floor Mount)		D (Deluxe) + or S (Standard)		/2 + 430	

Order code result: TPE10NBD/2430

TANKPAK QUICK SIZING GUIDE

Apartments 1 hr peak				Hotel Rooms 1 hr peak	Amenities 30 min peak	Nursing home 2 hr peak	Tankpak Series 2 Model	Recovery @ 50°C Rise (L/hr)	Storage Tank Capacity (L)	First Hour Capacity (L)	Thermal Input (MJ/h)
Studio ²²	1 & 2 bedroom ²²	2 bedroom ²²	2 & 3 bedroom ²²	1-3 Star ²³	No. of showers ²⁴	No. of beds ²⁵					
49	21	16	14	24	32	30	TP01/1430	825	410	1235	205
82	35	27	24	41	49	54	TP02/1430	1645	410	2055	410
115	50	38	34	57	65	79	TP03/1430	2470	410	2880	615
148	64	49	44	74	82	103	TP04/1430	3290	410	3700	820
181	78	60	54	90	98	128	TP05/1430	4115	410	4525	1025
213	92	71	64	106	115	152	TP06/1430	4935	410	5348	1230
246	107	82	74	123	131	176	TP07/1430	5760	410	6170	1435
296	128	98	89	148	164	207	TP08/2430	6580	820	7400	1640
329	143	109	99	164	180	231	TP09/2430	7405	820	8225	1845
361	157	120	109	180	197	255	TP10/2430	8225	820	9045	2050
427	186	142	129	213	230	304	TP12/2430	9875	820	10695	2460
510	221	170	154	255	279	359	TP14/3430	11520	1230	12750	2870
575	250	191	174	287	312	408	TP16/3430	13165	1230	14395	3280
641	278	213	194	320	345	457	TP18/3430	14810	1230	16040	3690

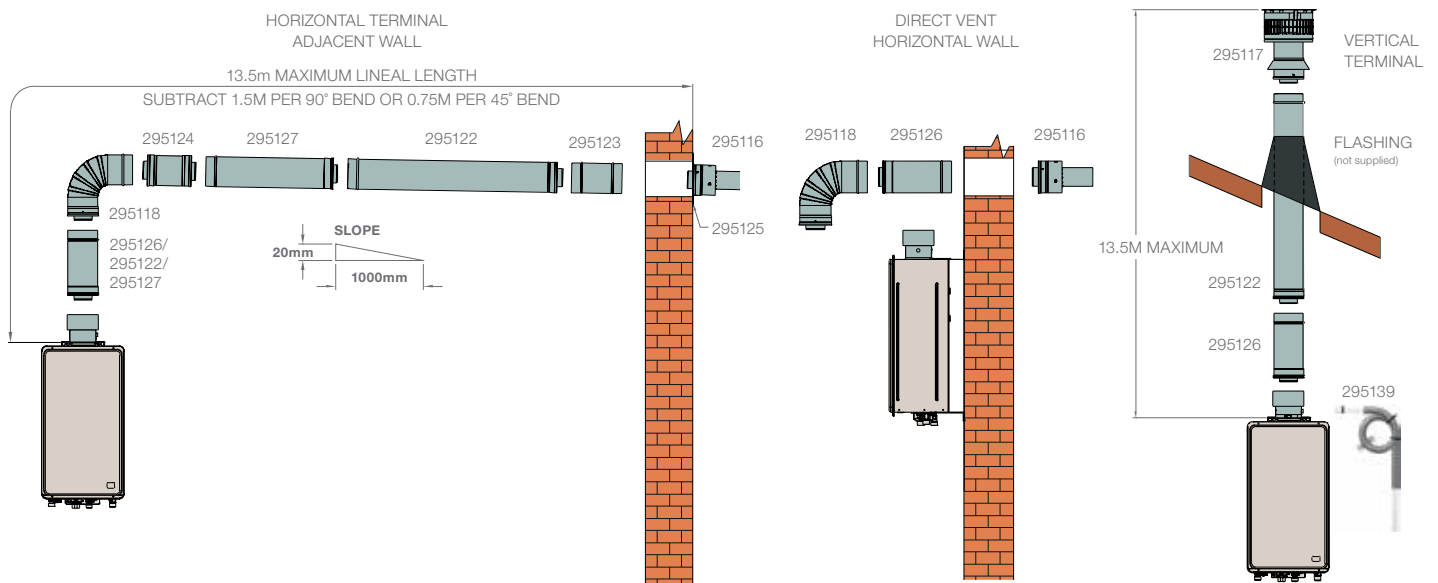
²² Allowance - Studio 25L, 1 bedroom 40L, 2 bedroom 75L, 3 bedroom 90L. Calculated on even ratio of apartment mix

²³ Allowance - 2 people per room, 25L per person

²⁴ Allowance - 25L per shower

²⁵ Allowance - 37.5L per bed for showering, bed pans, cleaning, 6L per bed for meals, 24L per bed for laundry

INDOOR INSTALLATION RHEEM CONTINUOUS FLOW FLUE SYSTEM



How to Size

Use the following as a guide to selecting the flue components required. The overall dimension of each flue piece is shown in the drawings. Allow approximately 35mm for insertion of each flue piece.

Determine the lineal distance and number of 45° and/or 90° bends between the top of the water heater and flue terminal. Note, the bottom edge of a vertical flue terminal must be 500mm

away from the nearest structure in accordance with AS/NZS 5601.1.

Flashing is required to be installed where a vertical flue section penetrates the roof line (not supplied).

Where a condensate drain section is installed, the hose must be connected and drained to the sewer waste or outside. A condensate trap must be installed and filled with water to prevent spillage of products of combustion.

Separate ventilation for combustion is not required as the air for combustion is supplied in the flue outer. The flue system is certified to be installed with zero clearances between the water heaters and combustible materials. Flue termination must comply with the requirements of AS/NZS 5601.1.

Flue penetrations through walls and ceilings must be sealed in accordance with local fire regulations