

COMMPAK®

FOR SMALL TO MEDIUM
COMMERCIAL APPLICATIONS



NATURAL
GAS ONLY



SMALL
FOOTPRINT



FAST
INSTALLATION



MAINS
PRESSURE

Tankless mains pressure performance.

MAINS PRESSURE HOT WATER IN A SMALL FOOTPRINT

Sophisticated electronics and pump technology equalises hot and cold water pressures, and a differential set point combined with the thermal mass in the system piping replicates storage.

FAST AND EFFICIENT TO INSTALL

Rheem factory-tests each order before supplying the entire CFWH system, including GPOs, pump and controller so there are no delays on site.

BMS CAPABLE

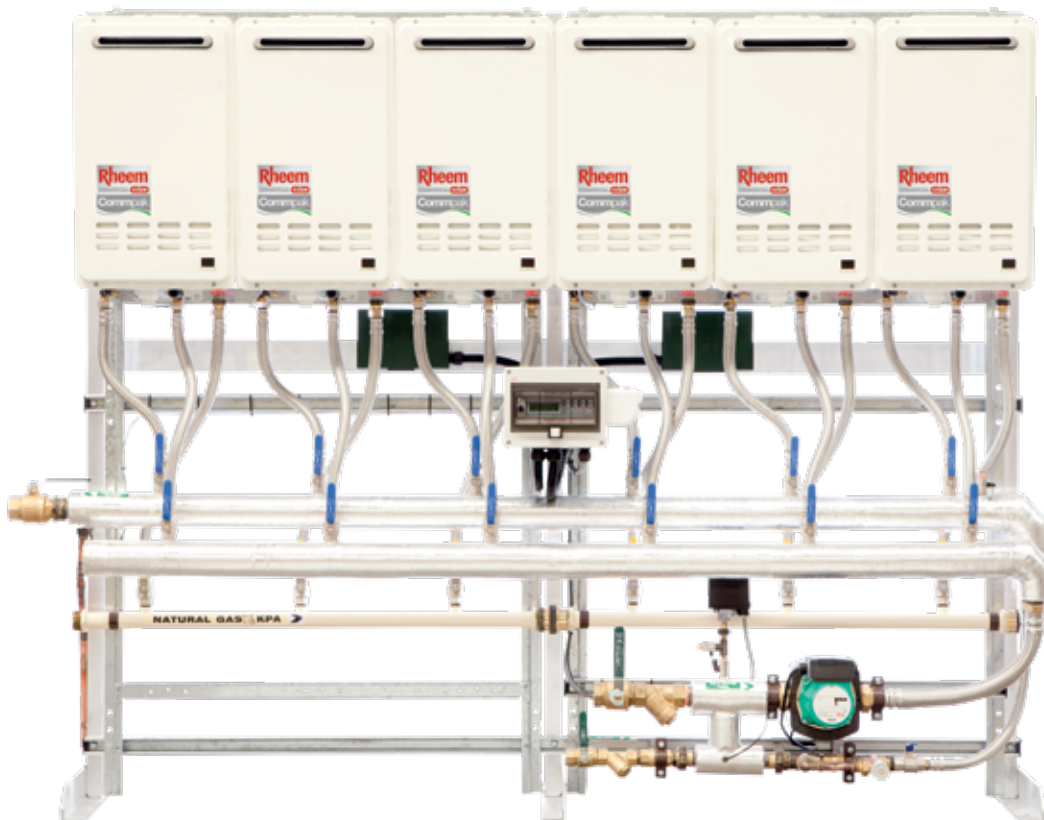
Central control operation with fault monitoring.

MORE KEY FEATURES

- Optional Duty/Standby pumps for additional redundancy
- Install inline up to 6 on one frame
- Loss of prime protection – turns off Commpak system if water pressure is lost



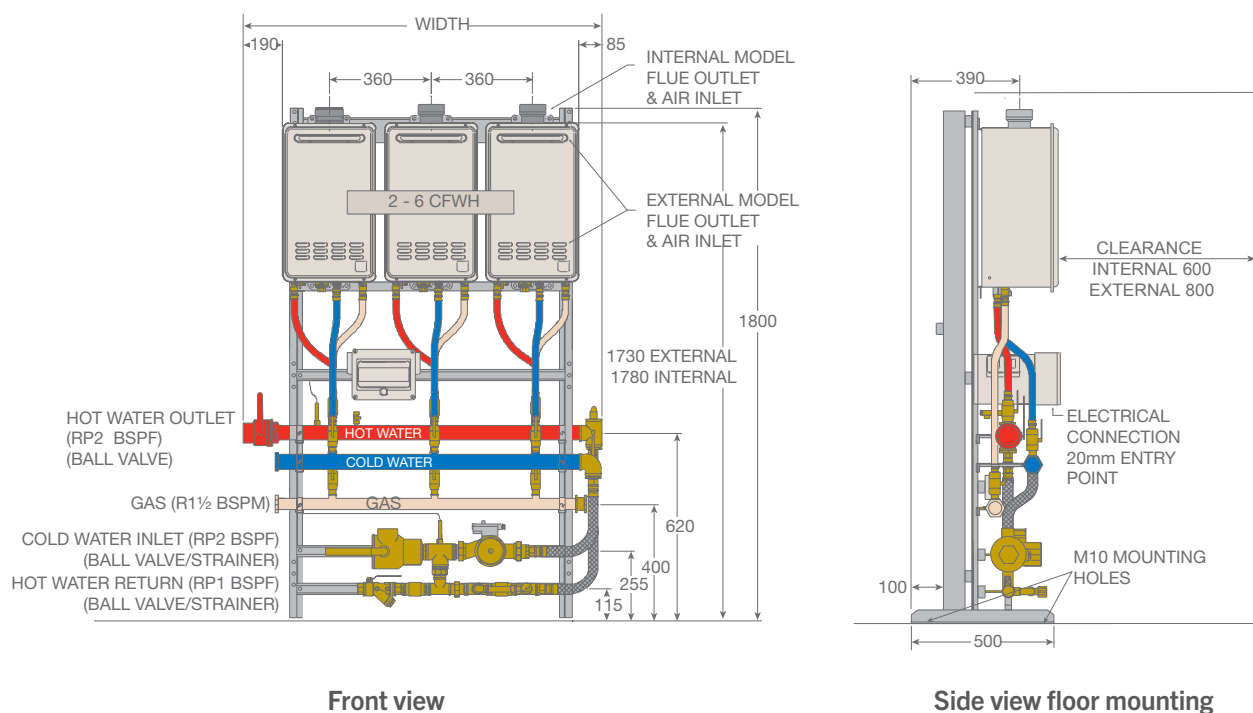
*5 year warranty on heat exchanger with a thermostat setting not exceeding 75°C; 12 months heat exchanger warranty when used with a thermostat setting exceeding 75°C; 12 months parts and labour.



TECHNICAL DATA

COMMPAK						
MODEL	INTERNAL EXTERNAL	CPI 02 CPE 02	CPI 03 CPE 03	CPI 04 CPE 04	CPI 05 CPE 05	CPI 06 CPE 06
Input	MJ/h	410	615	820	1,025	1,230
Recovery Rate at 50°C rise	L/hr	1,645	2,470	3,290	4,115	4,935
Peak Flow Rate at 50°C rise	L/min	27	41	54	68	81
Approx Weight	kg	120	150	220	245	270
Free Standing Frame (FSF)		standard	standard	standard	standard	standard
Electrical Supply (240V/50Hz)	Amps ¹	3.62	4.62	5.62	6.62	7.92
Electrical Connection		Hard Wired	Hard Wired	Hard Wired	Hard Wired	Hard Wired
Dimensions						
Width	mm	1330	1330	1690	2050	2410
Depth (Free Standing Frame)	mm	500	500	500	500	500
Frost Protection		Yes	Yes	Yes	Yes	Yes
Accessories - Duty/Standby pump	part number	299659	299659	299659	299659	299659

¹Single pump. Add 1.62 Amps for Duty/Standby pump option.



COMMPAK PLUS®

FOR LARGE COMMERCIAL APPLICATIONS



NATURAL GAS ONLY



BUILT-IN REDUNDANCY



SMALL FOOTPRINT



FAST INSTALLATION



MAINS PRESSURE

Staged tankless mains pressure and built-in redundancy, in a small footprint.

BUILT-IN REDUNDANCY AND EXTENDED LIFE

Commpak Plus stages half of the pak with one pump depending on demand extending water heater and pump life.

MAINS PRESSURE HOT WATER IN A SMALL FOOTPRINT

Sophisticated electronics and pump technology equalises hot and cold water pressures and a differential set point combined with the thermal mass in the system piping replicates storage.

FAST AND EFFICIENT TO INSTALL

Rheem factory-tests each order before supplying the entire CFWH system, including GPOs, pump and controller so there are no delays on site.

BMS CAPABLE

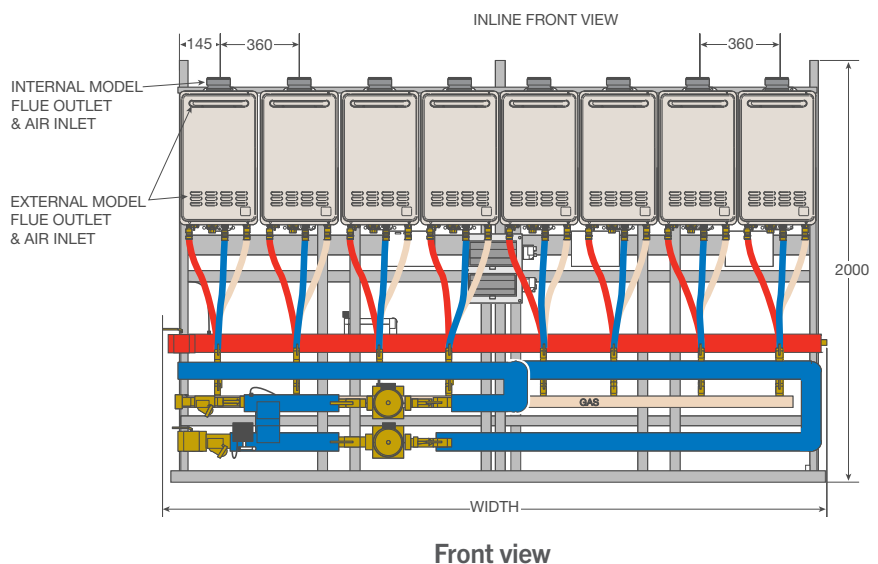
Central control operation with fault monitoring.

MORE KEY FEATURES

- Loss of prime protection – turns off Commpak Plus system if water pressure is lost
- In-line or back to back arrangements are available to meet plant room space availability (model dependent)



Inline 7 -12 Commpak Plus®

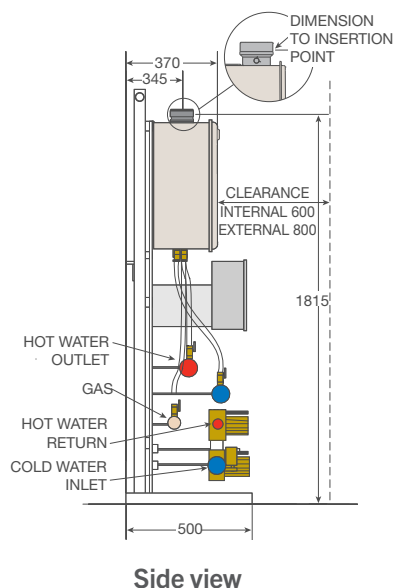


*5 year warranty on heat exchanger with a thermostat setting not exceeding 75°C; 12 months heat exchanger warranty when used with a thermostat setting exceeding 75°C; 12 months parts and labour.

TECHNICAL DATA

COMMPAK PLUS										
MODEL	INTERNAL EXTERNAL	CPI 07 CPE 07	CPI 08 CPE 08	CPI 09 CPE 09	CPI 10 CPE 10	CPI 11 CPE 11	CPI 12 CPE 12	CPI 14 CPE 14	CPI 16 CPE 16	CPI 18 CPE 18
Input	MJ/h	1435	1640	1845	2050	2255	2460	2870	3280	3690
Recovery Rate at 50°C rise	L/hr	5761	6584	7407	8230	9053	9876	11522	13168	14814
Max. Flow Rate at 50°C rise	L/min	96.0	109.6	123.3	137.0	150.7	164.4	191.8	219.2	246.6
Approx Weight	kg	350	380	410	440	470	500	570	640	710
Cold Water/Hot Water										
7-14: Threaded Connection	BSPF	RP2	RP2	RP2	RP2	RP2	RP2	RP2	-	-
16-36: Table E Flanged End	mm	-	-	-	-	-	-	-	65	65
Return	BSPF	RP1	RP1	RP1	RP1	RP1	RP1	RP1½	RP1½	RP1½
Gas	BSPM	R2	R2	R2	R2	R2	R2	R2	R2	R2½
Electrical Supply (240V/50Hz)	Amps	10.24	11.24	12.24	13.24	14.24	15.24	17.24	-	-
Electrical Supply (415V/3 phase/50Hz)	Amps	-	-	-	-	-	-	-	11.0	11.0
Dimensions										
Width - inline	mm	2670	3030	3390	3750	4110	4470	-	-	-
Width - back to back	mm	1980	1980	2340	2340	2700	2700	3310	3670	4030
Frost Protection		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Relief Valve Setting	kPa	1000	1000	1000	1000	1000	1000	1000	1000	1000
Water Supply Pressure										
Minimum/Maximum	kPa	140/800	140/800	140/800	140/800	140/800	140/800	140/800	140/800	140/800

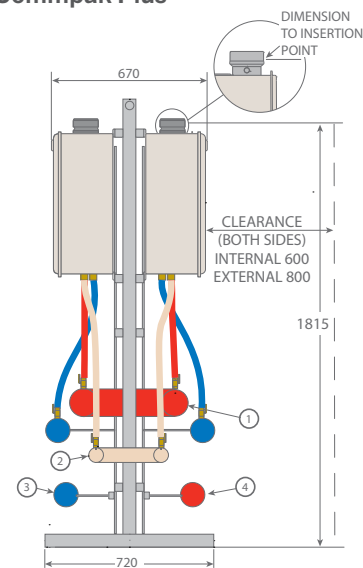
Inline 7 -12 Commpak Plus®



Side view

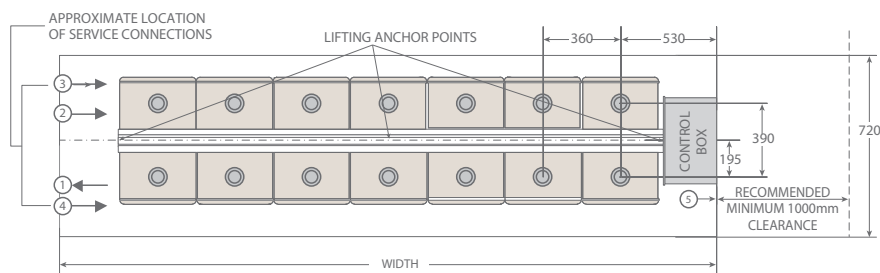
COMMPAK PLUS										
MODEL	INTERNAL EXTERNAL	CPI 20 CPE 20	CPI 22 CPE 22	CPI 24 CPE 24	CPI 26 CPE 26	CPI 28 CPE 28	CPI 30 CPE 30	CPI 32 CPE 32	CPI 34 CPE 34	CPI 36 CPE 36
Input	MJ/h	4100	4510	4920	5330	5740	6150	6560	6970	7380
Recovery Rate at 50°C rise	L/hr	16460	18106	19752	21398	23044	24690	26336	27982	29628
Max. Flow Rate at 50°C rise	L/min	274.0	301.4	328.8	356.2	383.6	411.0	438.4	465.8	493.2
Approx Weight	kg	780	850	920	990	1060	1130	1200	1270	1340
Cold Water/Hot Water										
7-12: Threaded Connection	BSPF	-	-	-	-	-	-	-	-	-
14-36: Table E Flanged End	mm	65	80	80	80	80	100	100	100	100
Return	BSPF	RP2¼	RP1½	RP1½	RP1½	RP1½	RP2	RP2	RP2	RP2
Gas	BSPM	R2½	R2½	R2½	R2½	R2½	R2½	R2½	R3	R3
Electrical Supply (240V/50Hz)	Amps	-	-	-	-	-	-	-	-	-
Electrical Supply (415V/3 phase/50Hz)	Amps	13.0	14.0	14.0	14.0	15.0	17.0	17.0	17.0	17.0
Dimensions										
Width - inline	mm	-	-	-	-	-	-	-	-	-
Width - back to back	mm	4390	4750	5110	5470	5830	6190	6550	6910	7270
Frost Protection		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Relief Valve Setting	kPa	1000	1000	1000	1000	1000	1000	1000	1000	1000
Water Supply Pressure										
Minimum/Maximum	kPa	140/800	140/800	140/800	140/800	140/800	140/800	140/800	140/800	140/800

Back to back 7 - 36 Commpak Plus®



Side view

Back to back 7 - 36 Commpak Plus®



Plan view

- ① HOT WATER OUTLET
- ② GAS
- ③ COLD WATER INLET
- ④ HOT WATER RETURN
- ⑤ PRESSURE RELIEF VALVE OUTLET