



Rheem New Zealand Ltd

Specification and Commissioning Instructions Manifolded Rheem Continuous Flow

It is possible to manifold up to four Rheem Continuous Flow Water Heaters in a single bank for "dead leg" systems.

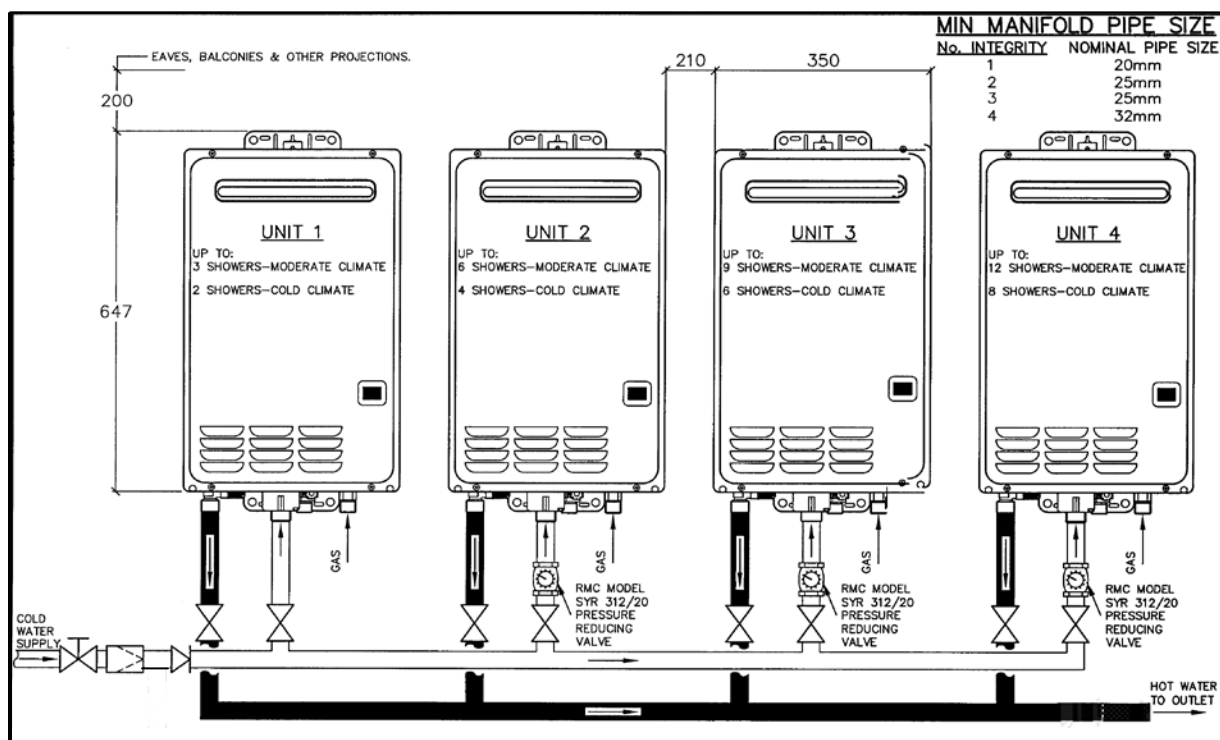
Installation and commissioning must comply with the following instructions for the product to meet performance requirements.

1. The units must be installed in accordance with the Rheem drawing below and installation instructions and must comply with the requirements of AS/NZS 3500.4, NZ 5261, AS 3000 and all local codes and regulatory requirements.
2. Water heaters are to be set to turn on and off in the following manner:

No. of Showers	1	2	3	4	5	6	7	8	9	10	11	12
No. of Continuous Flow Moderate Climate	1	1	1	2	2	2	3	3	3	4	4	4
No. of Continuous Flow Cold Climate	1	1	2	2	3	3	4	4	-	-	-	-

3. Ensure water, gas and electricity are available to the water heaters.
4. Loosen the locking screw on the SYR valves with a flat bladed screw driver.
5. Open 1 x hot (shower) tap at between 7-8 litres/min. The first unit (without SYR valve) should ignite and provide hot water.
6. Set the temperature of any temperature limiting device installed downstream of the manifold, before proceeding.
7. Open the maximum number of showers suitable for 1 x Rheem Continuous Flow in accordance with the appropriate climate chart above. Ensure each shower is operating at an equal flow rate. Only the first heater should be on. If other units are on, adjust the SYR valves until the units turn off.
Anti clockwise = Delay unit ignition,
Clockwise = Bring forward unit ignition
8. Open the next shower. Adjust the SYR valves, if necessary, to ensure only the first and second water heaters are on.
9. Turn off the previous shower. The second unit should turn off. Adjust the SYR valve if necessary.

10. Open the number of showers suitable for 2 x Rheem Continuous Flow water heaters, in accordance with the appropriate climate chart above. Heaters 3 and 4 should not be on. Adjust the SYR valves to turn these units off, if required.
11. Open the next shower. Adjust the SYR valves, if necessary, to ensure only the first, second and third water heaters are on.
12. Turn off the previous shower. The third unit should turn off. Adjust the SYR valve if necessary.
13. Open the number of showers suitable for 3 x Rheem Continuous Flow water heaters, in accordance with the appropriate climate chart above. Heater 4 should not be on. Adjust SYR valve to turn the unit off, if required.
14. Open the next shower. Unit 4 should turn on. Adjust the SYR valve, if necessary.
15. Turn off the previous shower. The fourth unit should turn off. Adjust the SYR valve if necessary.
16. Commissioning is now complete. Turn off all showers and lock adjusting screw on the SYR valves.



RHEEM CONTINUOUS FLOW MANIFOLD INSTALLATION UP TO 4 UNITS – DEAD LEG SYSTEM



SYR™ REDUCING VALVES

As representatives of Hans Sasserath & Co. K.G. of Germany, manufacturers of the SYR™ range of water controls, RMC™ have expanded the range of pressure reducing valves that are now available to the Australian Water Industry.

Two models, type 312 and type 315 can be supplied; these are identical other than the inlets and outlets, which are B.S.P.F. (Type 312) and couplings (Type 315). Featuring a connection for a pressure gauge, an in-built line strainer, and handwheel adjustability, these valves meet both Australian and German Standards for performance, noise and material content.

SPECIFICATIONS:

DN Size	Inlets & Outlets		Overall Length 'L'		Flow rate l/m
	312	315	312	315	
15 (1/2")	15 (1/2") BSPF	15 (1/2") Coupling	75	135	31
20 (3/4")	20 (3/4") BSPF	20 (3/4") Coupling	80	140	56
25 (1")	25 (1") BSPF	25 (1") Coupling	100	160	88
32 (1 1/4")	32 (1 1/4") BSPF	32 (1 1/4") Coupling	120	190	145
40 (1 1/2")	-	40 (1 1/2") Coupling	-	220	225
50 (2")	-	50 (2") Coupling	-	255	350

Pressure Settings: 100-600 kPa (Adjustable)
 Max. Inlet Pressure: 2500 kPa
 Max. Temperature: 65°C
 Max. Reduction Ratio: 10-1

APPLICATION:

These valves are suitable for the pressure control of water, fuel oil, compressed air, neutral non-sticking liquids and neutral gases.



SYR™ PRESSURE REDUCING VALVE TYPE 312

