BRAZED PLATE HEAT EXCHANGER

SUITED TO CO-GEN AND TRI-GEN PLANTS, PROCESS HEATING, AND PRESSURE REDUCTION STATIONS

- SS — STAINLESS STEEL
- EASY TO MAINTAIN
- WASTE HEAT RECOVERY
- MINIMUM PRESSURE DROP

The most versatile heat exchanger available.

IDEAL FOR CUSTOM ENGINEERING DESIGNS

316L stainless steel, single wall, brazed plate heat exchangers can be bolted together when more capacity is needed. Suits specialist applications, where high temperature and high pressure are needed.

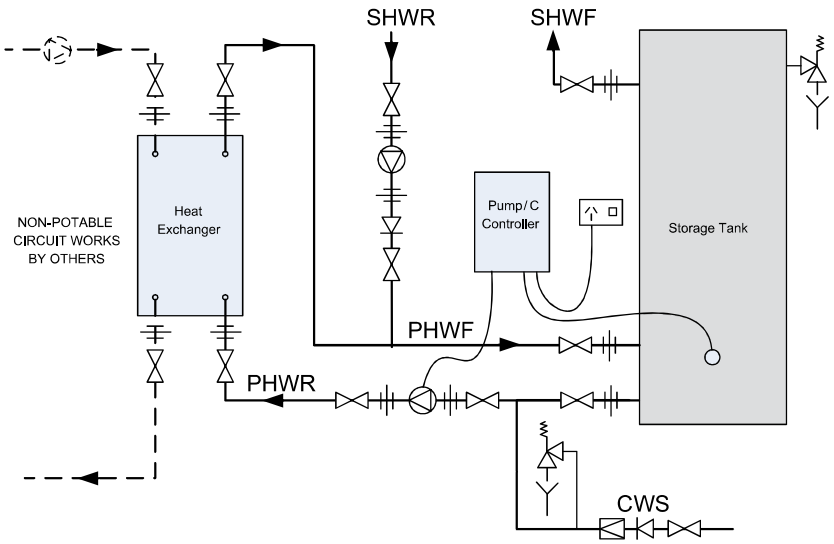
EASY TO INSPECT AND MAINTAIN

Unlike other products that use internal coils, the external heat exchanger is easily isolated for repairs and maintenance.

MINIMAL PRESSURE LOSS ENERGY TRANSFER

Parallel brazed plate construction means increased flow without the pressure drop and high heat transfer efficiency in a compact package.

Contact Rheem for assistance confirming the rated capacity of heat exchangers taking into consideration site specific requirements.



PARTS & LABOUR 1 YEAR WARRANTY

Lead Free
WMTS-528
Lic WM-023435

*Conditions apply: For full terms and conditions please contact Rheem or visit www.rheem.com.au/rheem/help/Warranties

Legend

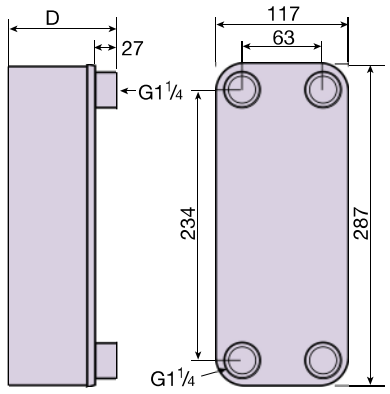
CWS: cold water supply
PHWR: primary hot water return
PHWF: primary hot water flow
SHWS: secondary hot water supply
SHWR: secondary hot water return

- ECV
- TPR valve
- Tundish
- Isolation valve
- Non return valve
- Pressure limiting valve
- Union
- Circulator or pump

TECHNICAL DATA

DIMENSIONS AND TECHNICAL DATA TABLE - RHEEM HEAT EXCHANGER								
Part Number				0191750	0191751	0191752	0191753	0191754
Nominal Rating			kW	50	100	150	200	250
Parameters for Nominal Rating	Non Potable Side	Inlet/Outlet Temp	°C	80 / 60	80 / 60	80 / 60	80 / 60	80 / 60
		Flow Rate	L/sec	0.61	1.22	1.83	2.44	3.05
		Pressure Drop	kPa	2.65	3.74	5.00	6.98	9.83
	Potable Side	Inlet/Outlet Temp	°C	45 / 65	45 / 65	45 / 65	45 / 65	45 / 65
		Flow Rate	L/sec	0.61	1.21	1.82	2.43	3.03
		Pressure Drop	kPa	2.39	3.59	4.91	6.91	9.79
Dimensions		Depth (D)	mm	104	160	221	277	333
Weight			kg	6	9	12	15	18
Operating Pressure			kPa	3000[1]				
Electrical Supply (Temperature Controller)			230-240V 50/60Hz Hard wired by Electrician					

[1] The maximum working pressure of each side of the system will be governed by the lowest operating appliance connected to it. The potable side (secondary side) water pressure must be higher than the non potable side (primary side) pressure.

POTABLE SIDE PUMP AND PIPE SIZING					
Heat Exchanger Model	Qty In Parallel	Output (kW)	Design Flow Rate	Minimum Potable Primary F & R Pipe Size (mm)	Pump Model / Speed Setting
0191750	1	50	0.61	32	UPS20-60N / 3
0191750	2	100	1.22	40	UPS32-80N / 3
0191751	1	100	1.21	40	UPS32-80N / 3
0191751	2	200	2.42	50	Magna1 40-120
0191752	1	150	1.82	50	UPS32-80N / 3
0191752	2	300	3.64	65	Magna1 40-120
0191753	1	200	2.43	50	Magna1 40-120
0191753	2	400	4.86	80	Magna1 65-150
0191754	1	250	3.03	65	Magna1 40-120
0191754	2	500	6.06	80	Magna1 65-150

NOTE: Pipe sizing, pump selection and installation of the NON-POTABLE circuit is not covered by Rheem. Pipe and pump sizing is for potable water side only between the heat exchanger and storage tank/s and is based on 25m TOTAL pipe run and 20 x 90° bends @1.2m/s. If the piping is beyond this scope, please contact Rheem for assistance.