

BOILERS AND HEAT PLANTS

New Zealand designed and built multi-fuel boilers and heat plants.

With more than 2000 boilers and heat plants commissioned, MHM Automation is a market leading manufacturer.

Our boilers are available with a range of fuel options including biomass, solid fuel, gas, liquid fuel and electricity.

Respected for our mechanical and project engineering capabilities, we provide comprehensive design, fabrication, installation, and commissioning services to a broad range of industry sectors.

FEATURES

- › Steam and hot water boilers
- › Fuel options: solid waste, coal, LPG, natural gas, light oil, biofuel, electricity
- › Heat plants to burn and convert wet biomass into energy
- › Two pass and three pass options
- › Dryback and wetback options
- › Standard sizes (steam ratings) range from 225kg/hr to 15MW

APPLICATIONS

- › Breweries and wineries
- › Food processing
- › Hospitals and healthcare facilities
- › Schools and hostels
- › Primary industries including horticulture, timber, meat and dairy processing
- › Personal care – laundry, linen and soft goods

BENEFITS

- › Manufactured in New Zealand
- › Bespoke New Zealand design available to suit your process and location
- › Built to either Australasian AS1228 or British BS2790 boiler code
- › ISO 9001 certified quality management system
- › Project security – as a market leader in mild and stainless steel fabrication, manufacture and supply, MHM Automation will provide engineering, project management, installation, maintenance and warranty

MULTI-FUEL STANDARD RANGE

Solid fuel, liquid fuel and gas

Steam and hot water boilers. The multi-fuel systems allow a range of fuel types including biomass, wood chips, wood pellets, waste residues, coal, oil and gas.

3 Pass Dryback* Boilers

Model #	Evaporation 100° F&A (kg/hr)	Length mm	Height mm	Width mm	Thermal output kW
80	1252	4280	2515	2463	800
100	1565	4470	2768	2463	1000
150	2360	4831	3051	2902	1500
200	3130	5303	3410	3353	2000
275	4309	5811	3632	3645	2750
350	5670	6167	3916	3797	3500
425	6577	6256	4207	3912	4250
550 (+)	8618	7070	4585	4877	5500
650 (+)	10433	7138	5182	4572	6500
85 (+)	13154	7277	5563	5182	8500

(+) Denotes twin furnace tube model

STANDARD RANGE

Liquid fuel and gas

Steam and hot water boilers. The systems utilise predominantly fire tube or water tube and allow fuel types including LPG, natural gas, diesel (light oil) and dual fuel.

2 Pass Dryback* Boilers

Model #	Evaporation 100° F&A (kg/hr)	Length mm	Height mm	Width mm	Thermal output kW
1200	545	2790	1800	1370	342
1800	820	2900	1800	1370	514
2500	1270	3730	1900	1510	715
4000	1820	4100	1960	1810	1140
6000	2730	4420	2200	2440	1712
8000	3650	5740	2500	2900	2288
10000	4545	5950	2895	3050	2852

3 Pass Dryback* Boilers

Model #	Evaporation 100° F&A (kg/hr)	Length mm	Height mm	Width mm	Thermal output MW
Series 3	4800	5100	3000	2700	3.0
Series 3.5	5580	5100	3100	2700	3.5
Series 4	6377	5556	2770	3191	4.0
Series 5	7870	5890	2920	3341	5.0
Series 6	9070	6135	3020	3441	6.0

*Wetback option also available

