



Meridian 24-150kW

Compact Condensing Water Heaters

Wall Mounted 24-100kW

Floor Standing 120-150kW



- > Type A appliance
- > High efficiency
- > Compact size
- > Cascadable
- > In-built header
- > In-built pump
- > Australian Approved



Meridian 24 – 150kW

Meridian Condensing Water Heaters provide very high efficiency in compact formats for the ultimate installation flexibility. They are available in both wall hung and floor standing models.

MERIDIAN wall-hung and floor standing gas heating condensing water heaters work at very high and constant efficiencies reaching up to 108.6%, enabling seasonal savings up to 35%.

Features include electronic starting with flame ionization and continuous modulating control from 20% to 100% - electronically managed by a new microprocessor on both hydraulic circuits.

The "ecological burner" produces "cool flame" combustion which considerably reduces nitrogen oxide and carbon monoxide emissions.

Meridian Condensing Water Heaters feature:

- Heater body is completely fabricated from **stainless steel** for a long service life and maximum reliability.
- Floor Standing Heaters can be bolted together for cascading.
- Self diagnostic electronic system.
- Anti-blocking pump system.
- Automatically timed heating circuit to reduce ON/OFF burner switching.
- In-built primary circulating pump.
- LPG versions are available in Model 32, Model 50 and Model 100.
- Outdoor compensation sensor available.
- Australian Approved GSCS 20215



Automatic Heating reserves the right to change specifications without notice.



* Excludes 75 & 100kW models



Points of difference & features

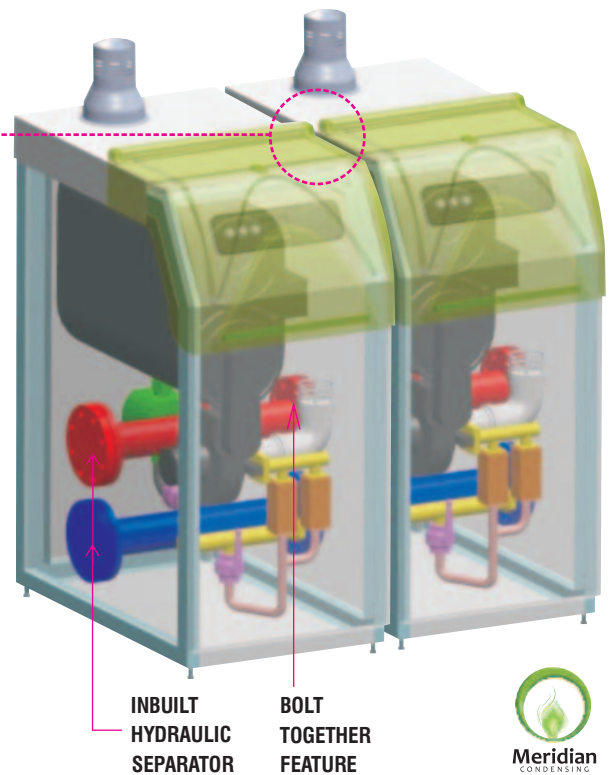
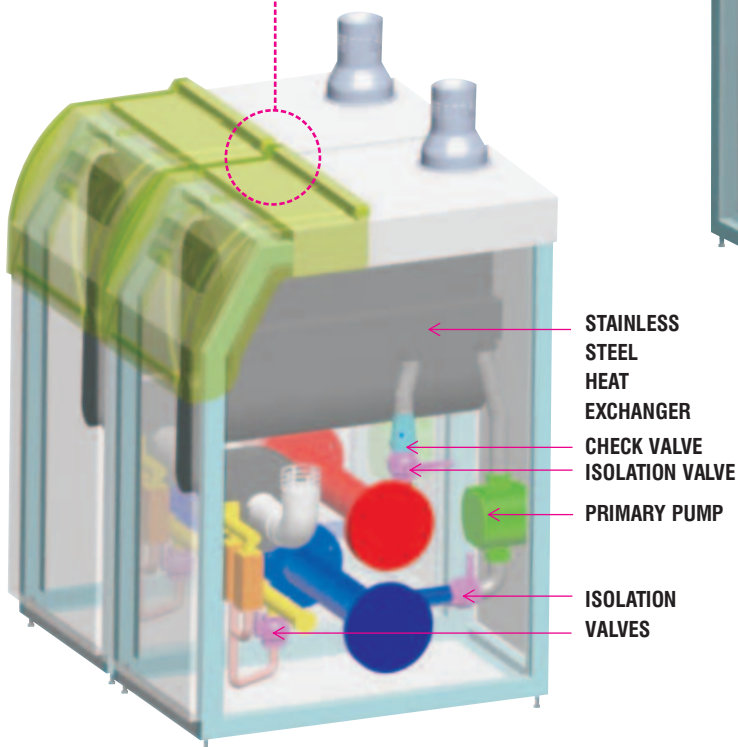
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The "ecological burner" produces a "cool flame" combustion which considerably reduces nitrogen oxide and carbon monoxide emissions.

- > Heater body is completely fabricated from stainless steel for a long service life and maximum reliability.
- > Floor Standing boilers can be bolted together for cascading.
- > Self diagnostic electronic system.
- > Anti-blocking pump system

Bolt together cascade ability!



State of the art features make meridian boilers, versatile and suitable for many different applications

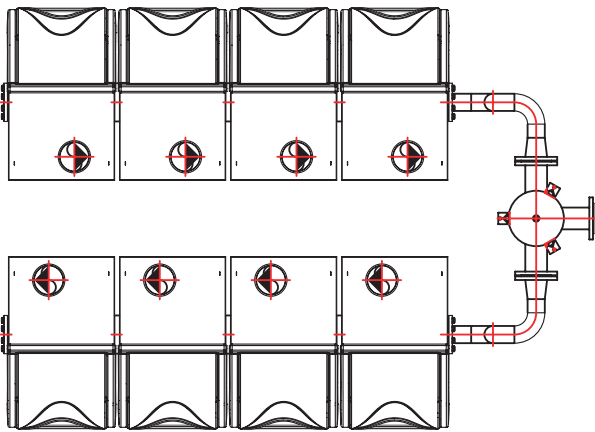


Meridian Installation Examples

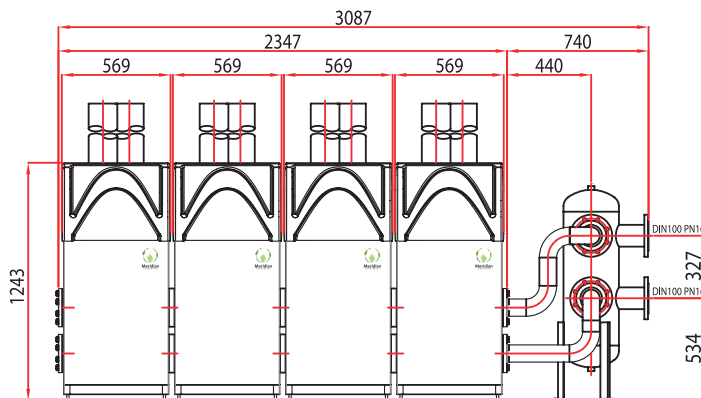


Meridian Indoor Water Heater
Model 120 - 150 (4 x 2)
c/w HS2 - 1320F Hydraulic Separator

PLAN VIEW



FRONT VIEW

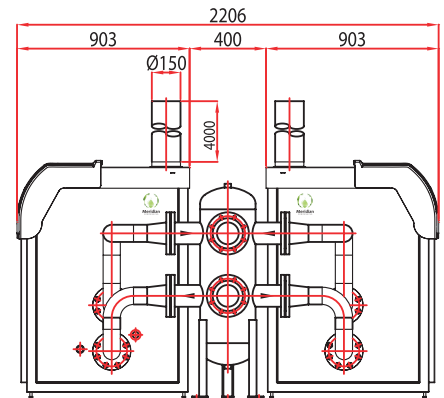


Meridian Boilers can be cascaded to suit many project types & sizes offering a vast variety of solutions for your needs.

DIMENSIONS ARE CORRECT AT TIME OF PRINTING AND MAY ALTER WITHOUT PRIOR NOTIFICATION



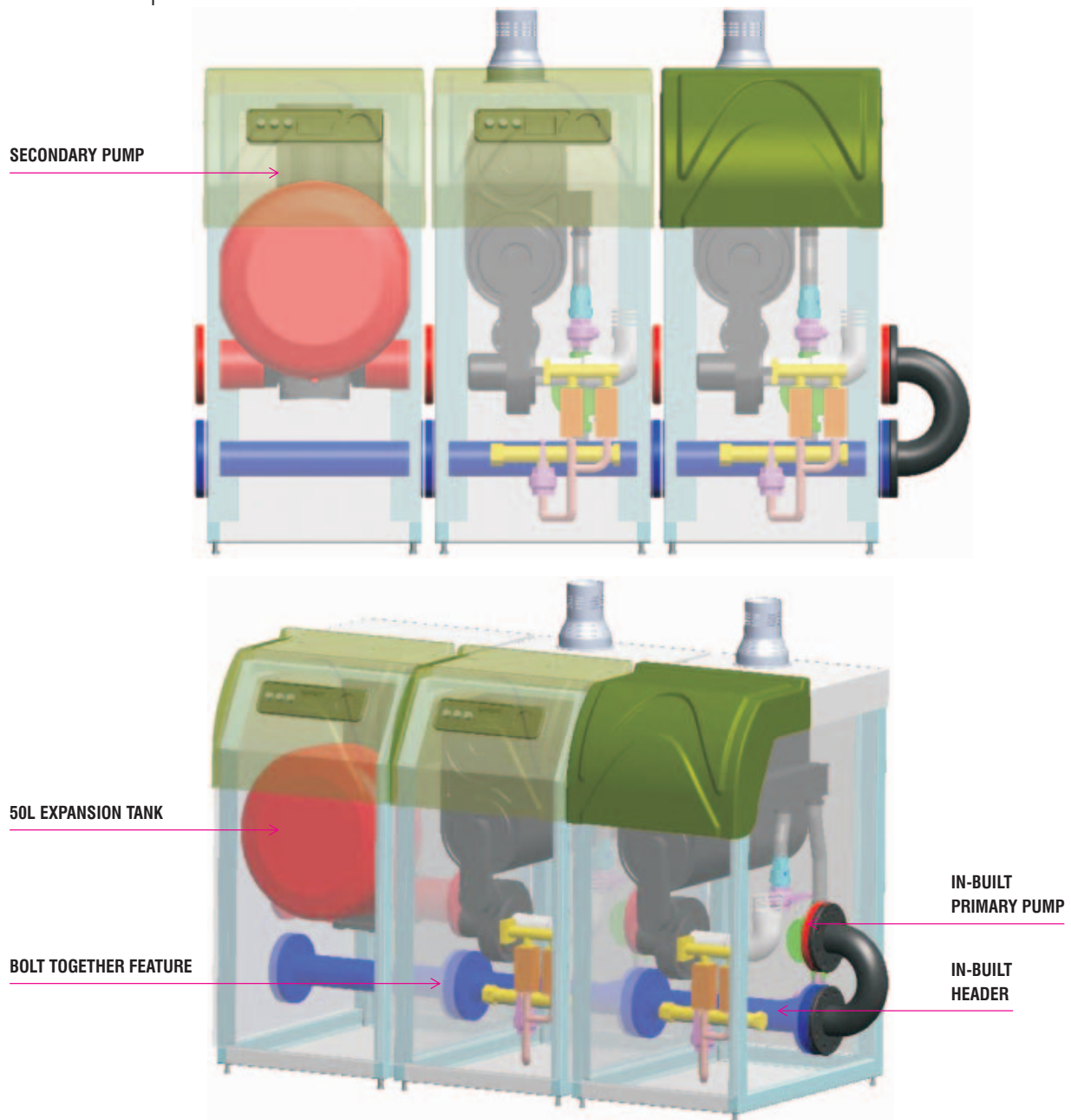
END VIEW





Meridian Heating Tower

Meridian 30-600kW c/w Secondary Pump Expansion Tank,
Water make up and cascade feature

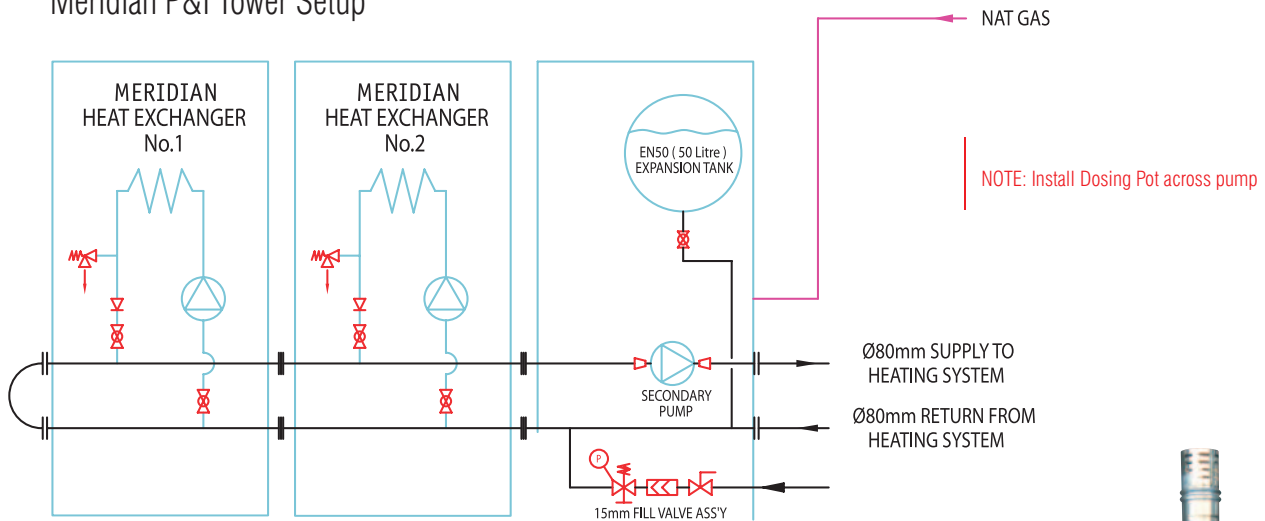


We have designed our product range in a way that allows integrated solutions to be offered in their entirety, from one convenient source.



Meridian Tower

Meridian P&I Tower Setup



*Modular Integration
Easy to setup
and Efficient*



Meridian Tower Performance Data

	MT150-1	MT150-1TP	MT150-0	MT150-0TP
Max Output (kw)	348.6	348.6	348.6	348.6
Pump	CR15-3	TP40-120	CR15-3	TP40-120
Expansion Tank (L)	50	50	50	50
System Delta (°C)	15	15	15	15
Flow rate (m3/hr)	19.99	19.99	19.99	19.99
Flow rate (L/s)	5.55	5.55	5.55	5.55
Max Head (kPa)	190	190	190	190



Performance Data

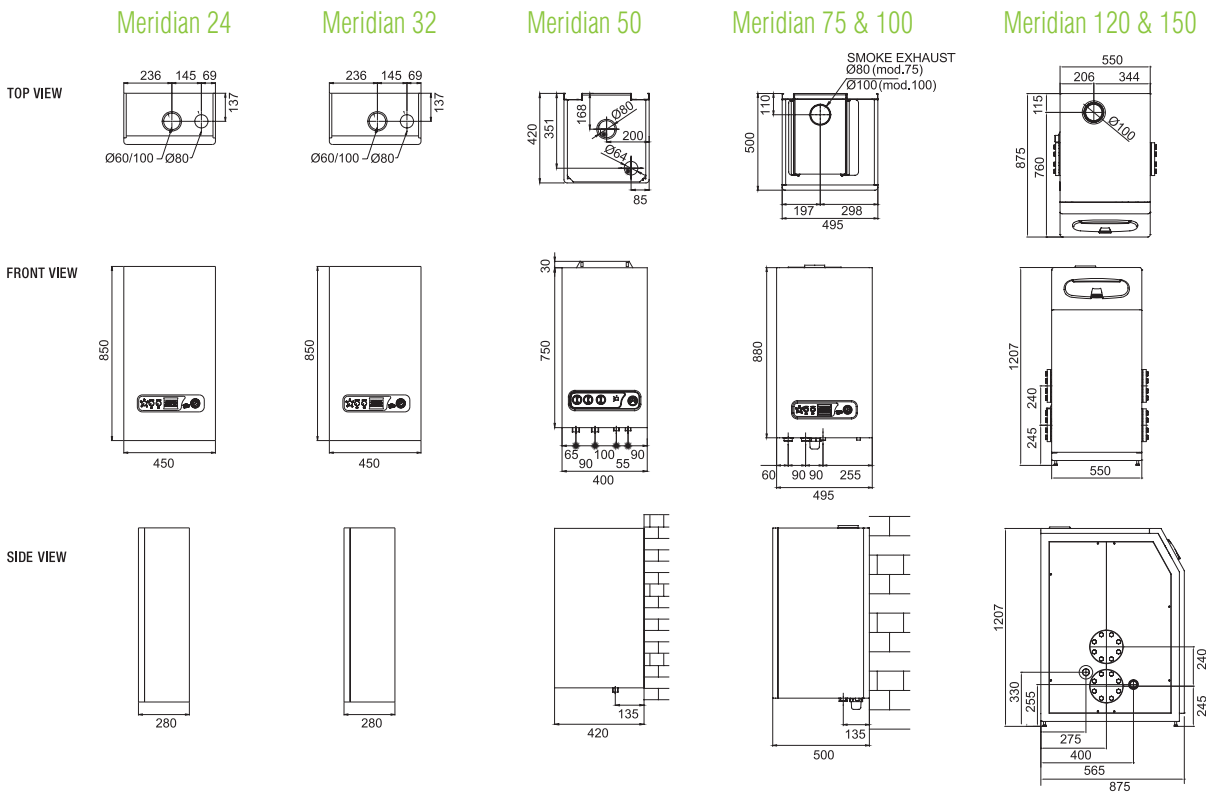
			Meridian 24	Meridian 32	Meridian 50	Meridian 75
Max. Output power 50/30°C	Natural gas	max. kW	25.3	31.80	50.28	75.8
Efficiency at 50/30°		%	106.0	106.0	106.3	106.0
Max. Output power 80/60°C	Natural gas	max. kW	23.4	29.4	46.5	67.9
Min. Output power 80/60°C	Natural gas	min. kW	5.5	6.8	8.8	13.7
Efficiency at 80/60°		%	98.0	98.0	98.0	97.0
Weight (empty)		kg	42	42	50	65
CO with 0% of O2		ppm	<30	<30	<30	<30
NOx with 0% of O2		mg/kWh	<30	<30	<30	<30
Gas inlet pressure	Natural gas	kPa	1.5–2.75	1.5–2.75	1.5–2.75	1.5–2.75
CO2	Natural gas	%	9	9	9	9
Heater Water capacity		litres	3.5	3.5	5	6
Max. circuit pressure		kPa	300	300	300	600
Heat Input	Natural gas	MJ/hr	96	120	192	280
Power 240V 50HZ		W	140	140	170	140
Mounting			Wall	Wall	Wall	Wall

Performance Data

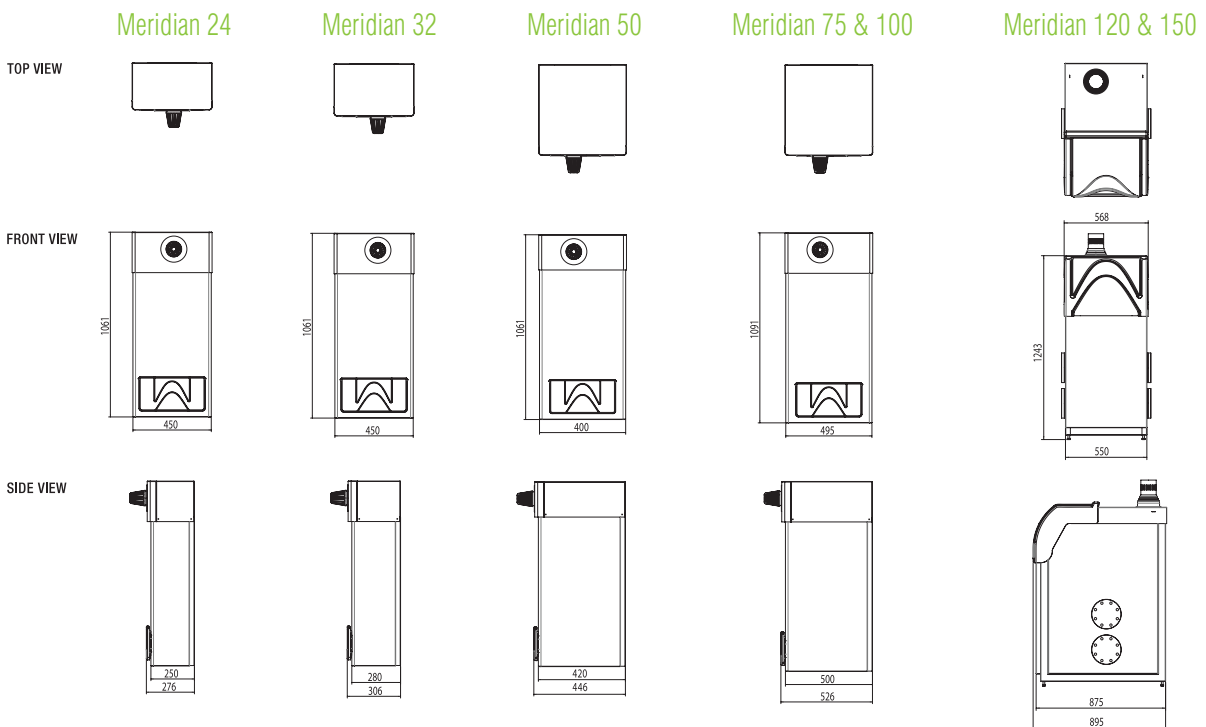
			Meridian 100	Meridian 120	Meridian 150
Max. Output power 50/30°C	Natural gas	max. kW	97.1	120.0	157.0
Efficiency at 50/30°		%	106.0	108.6	108.6
Max. Output power 80/60°C	Natural gas	max. kW	87.6	115.0	150.0
Min. Output power 80/60°C	Natural gas	min. kW	17.6	29.4	29.4
Efficiency at 80/60°		%	97.3	97.2	97.3
Weight (empty)		kg	75	200	200
CO with 0% of O2		ppm	<30	<30	<30
NOx with 0% of O2		mg/kWh	<30	<30	<30
Gas inlet pressure	Natural gas	kPa	1.5–2.75	1.5–2.75	1.5–2.75
CO2	Natural gas	%	9	9	9
Heater Water capacity		litres	8	32	32
Max. circuit pressure		kPa	600	600	600
Heat Input	Natural gas	MJ/hr	360	407	592
Power 240V 50HZ		W	140	600	600
Mounting			Wall	Floor	Floor



Dimensional Data - Meridian Indoor



Dimensional Data - Meridian Outdoor



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