

AMBASSADOR  
From 80kW up to 2000kW

EFFICIENCY  
LOW NO<sub>x</sub>  
HIGH EFFICIENCY

## AMBASSADOR MODUPAK

From 80kW up to 2000kW

The Simons Ambassador range are compact and versatile high efficiency condensing boilers with a reputation for quality, durability and flexible design. With Indoor and Outdoor models from 80kW up to 2000kW, this range caters for any application within any heating sector.

### FEATURES

- **CASCADE** sequence control for up to 12 boilers
- **PUMP** built in for optimum boiler stability
- **ABIENT** temperature compensation control
- **BMS** interface for remote temperature control and fault status
- **6 BAR** remote status and fault contacts standard working pressure
- **Stainless steel heat exchanger** European quality with 5 year structural guarantee. High quality components with lowest possible operating and maintenance costs.
- **Controllers & thermostats** - Equipped with the feature of giving each group a possibility to connect its own thermostat, this controller can be regulated / set according to the ambient heat required by the user.
- **Outside temperature control** - With an optional outside temperature sensor, Simons boilers can also be regulated depending on the outside temperature.
- **Building management systems** - can completely be integrated into Building Management Systems (BMS) via the integrated 0-10V control connection.

### BENEFITS

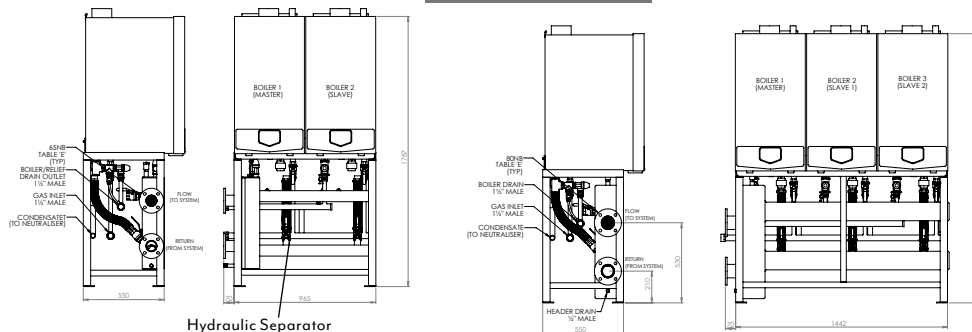
- High modulation range
- Built-in cascade controller for up to 12 boilers
- Built-in weather dependent temperature control
- Built-in water pressure sensor
- Built-in 0-10V DC control connection based on both temperature and power
- Built-in Open-therm connection
- Built-in real time clock
- Remote boiler status signal for Heat Demand, Operating & Fault indication due to its 3 potential free contacts there are three programmable periods in each day for setting normal and reduced set-point.
- Suitable for Building Management Systems(BMS) via 0-10V connection and remote status signaling
- Quick and Easy Installation and maintenance

### STANDARD COMPONENTS

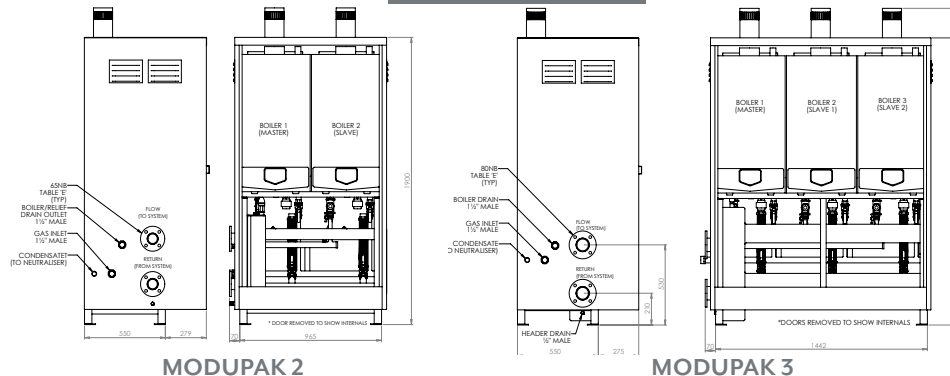
Cascade manager for 12 boilers
Boiler Inbuilt circulation pump
Built burner
Open Therm connection
0-10 Volt control connection
Weather dependent temperature controller**
BMS Interface

\*\* Outside temperature sensor is an ancillary and must be purchased separately

## INDOOR TYPE



## OUTDOOR TYPE



**MODUPAK 2**

**MODUPAK 3**

### TECHNICAL SPECIFICATIONS

MODEL		AMBASSADOR				
Classification		TYPE A				TYPE B
Gas Type		NG or LPG				NG or LPG
MODEL NO		80	100	120	150	180
Dimensions H x W x L (indoor)	mm	842x 476 x 486	842x 476 x 486	842x 476 x 486	898 x 476 x 677	898 x 476 x 677
Dimensions H x W x L (outdoor)	mm	1335 x 476 x 486	1335 x 476 x 486	1335 x 476 x 486	1335 x 476 x 677	1335 x 476 x 677
Weight (dry)	Kg	73	78	83	92	112
Water content	litres	5	6.5	8.3	10.4	12.2
Water connections	mm	25	25	25	32	32
Gas connection	mm	20	20	20	25	25
Condensate connection	mm	20	20	20	20	20
Flue size (Indoor)	mm	100	100	100	100	100
Electrical Connection	V/AMP	355 / 2.4	355 / 2.4	370 / 2.9	510 / 3.6	600 / 4.8
Nominal Gas Input NG/LPG	Mj/hr	308	380	458	570	670
Gas Pressure NG min / max	kPa	1.13-3.5	1.13-3.5	1.13-3.5	1.13-3.5	1.13-3.5
Gas Pressure LPG min / max	kPa	2.75-3.5	2.75-3.5	2.75-3.5	2.75-3.5	2.75-3.5
Min /Max Output	kw	14.0-83.0	16.5-103	24.0-125.4	30.0-156.6	35.0-185.5
VSD		ebm-papst	ebm-papst	ebm-papst	ebm-papst	ebm-papst
Grundfos Pump		Built In	Built In	Built In	Built In	Built In
Avg. Nett Efficiency at 30°C return temperature	%	110	96/90	96/90	96/90	106/96
Avg. Nett Efficiency at 60°C return temperature	%	97	106/96	106/96	106/96	96/90
Max. Operating Temp.	°C	90	25-90	25-90	25-90	25-90
Nominal flue gas temperature range	°C	60-95	60-95	60-95	60-95	60-85
Operating Pressure min/max	kPa	100-600	100-600	100-600	100-600	100-600
Nox-Class (EN483/EN15420)	ICPA	5	5	5	5	5
Max flue/intake pipe resistance	kPa	200	200	200	200	200
For ULPG mj/hr input and kw output reduce by 5%						
Nominal mj/hr input and kw output rated at 100pa indoor flue/intake resistance or outdoor std outdoor flue cap						

Specifications subject to change without notice. Warranty conditional on verified maintenance.

Australian family owned Company since 1932 **Sold in over 30 countries around the world**

**SIMONS**  
BOILERS  
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