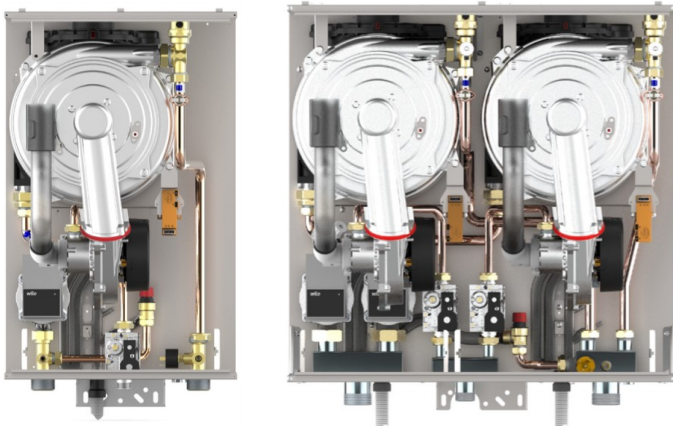


A1K Wall Hung Boiler

Condensing Premix

Technical Data



The A1K appliances are wall hung condensing boilers designed for heating purposes.

Available as 50kw or 100kw appliance with up to 1:20 modulation, they provide unrivalled flexibility and performance from a small footprint.

The A1K range features integrated pump/s with PWM control which works in conjunction with the PCB, fan and burner to control the ΔT and maximise efficiency.

These appliances can be electronically cascaded to meet the required demand (up to 800kW).

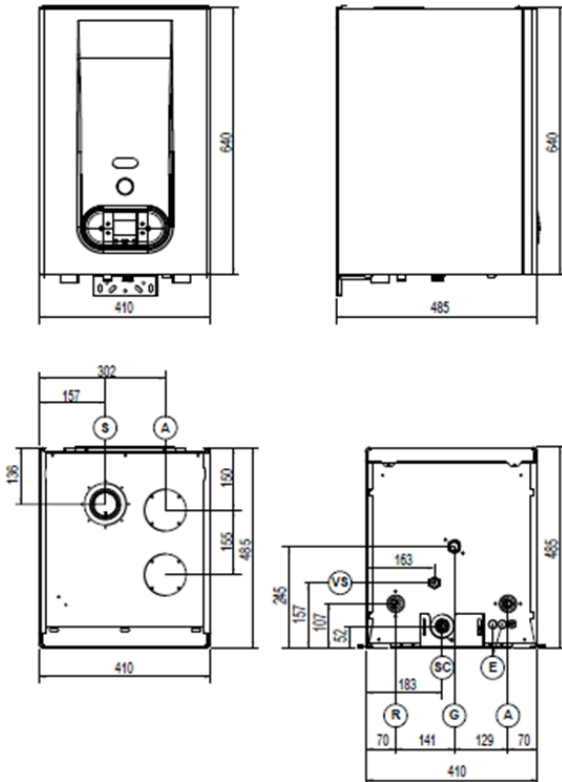
With multiple installation options for internal & external applications, the A1K series is the perfect solution for purposes such as underfloor heating, pool/spa heating, HVAC applications and DHW via an Aleabrax heat exchange tank.

FEATURES

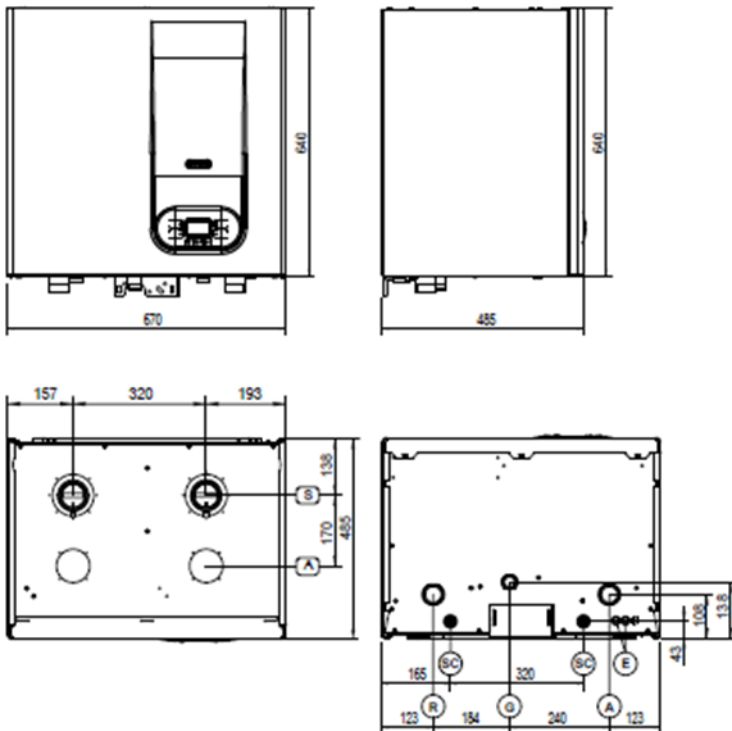
- Condensing technology
- Stainless steel heat exchanger (AISI 304L)
- Wide modulating range (1 : 20)
- Low NOx Emissions
- Full gas/air modulation
- Electronic modulating fan with variable speed
- Digitech PCB
- Electronically controlled ErP pump with PWM control
- Frost protection
- Cascade, co-axial or twin pipe flueing options

		A1K 50	A1K 100
Order Code		A1K50	A1K100
Heat Output Max, 50/30	kW	53.4	106.8
Gas Consumption	MJ/hr	198	396
Eff 100% Pn - 80/60	%	98.37	98.37
Eff 100% Pn - 50/30	%	106.8	106.8
Eff 30% Pn - 80/60	%	102.8	102.8
Eff 30% Pn - 50/30	%	108.83	108.83
Max. Operating Pressure	kPa	300	300
Min. Operating Pressure	kPa	30	30
Water Connections (A & R)	mm	32	40
Gas Connection (G)	mm	20	25
Condensate Connection	mm	25	25
Height	mm	640	640
Depth	mm	485	485
Width	mm	410	670
Weight	kg	50	95
Noise Rating	dB	52	52
Adjustable CH Range	°C	30-80 / 25-45	30-80 / 25-45
Max. Operating Temp.	°C	95	95
Power Consumption (max)	W	108	216
Power Consumption (standby)	W	3.5	7

Dimensions - A1K 50



Dimensions - A1K 100



Flueing Options

The Aleabrax condensing boilers can be flued with;

- Room sealed, co-axial 80/125mm
- Single wall pipe 80mm
- Cascade Flue Manifold

Individual flueing is ordered in component form as required.

The table below shows the maximum length of flueing per appliance. If bends are required as part of the installation, the maximum distance will be reduced.

Please refer to the flueing specification guide and installation manual for more information.

	A1K 50	A1K 100
Max length Ø80/125 - Vertical Co-axial	10m	10m sng unit
Max length Ø80/125 - Horizontal Co-axial	10m	10m sng unit
Max length Ø80 - Horizontal single pipe	25m	25m sng unit
Max length Ø80 - Vertical single pipe	25m	25m sng unit
Max length Ø80/80 - Horizontal Split	40m	40m
Max length Ø100 - Horizontal flue manifold	-	10m

Accessories

Accessories	Order Code
Easy Remote for Aleabrax Condensing Appliances	40-00017
Digital Thermostat Weekly Program	86407LA
Sensor Outdoor Temperature Weather Compensation	73518LA
Sensor Manifold and Mixing Circuit	40-00345
Sensor DHW Storage Cylinder	40-00346
Sensor Solar Collector	31409LA
Divertor Valve Kit RS for DHW Storage Tank Connection 40mm	26097LP
Flue Kit Horizontal Co-Axial 80/125 AK50	82109LA
Flue Kit Vertical Co-Axial 80/125 CK50	82112LA
Flue Kit Horizontal Single Pipe w/-air intake 80mm EK50	82107LA
Flue Kit Vertical Single Pipe w/-air intake 80mm FK50	82106LA
Common Flue Manifold Kit to suit A1K100 D.100	50-00180
Air Intake Manifold Kit to suit A1K100	50-00212

Care has been taken to ensure that all information is as accurate as possible at the time of publication. However, specifications, methods and figures are subject to change without prior notice.

For more information visit:

aleabraxsystems.com.au

or call 1300 132 949

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