

# ariston heating

## Nuos



### FLOOR STANDING DIRECT AIR SOURCE HEAT PUMP WATER HEATER

- CO-EFFICIENT OF PERFORMANCE (COP) 2.8 (@ 15°C - EN1 16147)
- ENVIRONMENTALLY SOUND AND HIGHLY EFFICIENT THERMAL INSULATION
- ALL PLUMBING AND ELECTRICAL CONNECTIONS WITHIN A 45° ANGLE
- 3 MAGNESIUM ANODES TO PROTECT AGAINST CORROSION
- BACK-UP HEATING ELEMENT
- FACTORY FITTED 1/2" T&P RELIEF VALVE
- 'PLUG AND PLAY' - NO F-GAS QUALIFICATIONS NEEDED TO INSTALL
- 5 YEAR TANK GUARANTEE (2 YEAR GUARANTEE ON ELECTRICAL COMPONENTS)



ENAMELLED STEEL TANK

ENERGY SAVING

ENVIRONMENTALLY FRIENDLY INSULATION



### FLOOR STANDING INDIRECT AIR SOURCE HEAT PUMP WATER HEATER

- CO-EFFICIENT OF PERFORMANCE (COP) 2.8 (@ 15°C - EN 16147)
- ENVIRONMENTALLY SOUND AND HIGHLY EFFICIENT THERMAL INSULATION
- ALL PLUMBING AND ELECTRICAL CONNECTIONS WITHIN A 45° ANGLE
- 3 MAGNESIUM ANODES TO PROTECT AGAINST CORROSION
- BACK-UP HEATING ELEMENT
- FACTORY FITTED 1/2" T&P RELIEF VALVE
- INDIRECT COIL FOR USE WITH SOLAR SYSTEMS OR GAS/OIL BOILER
- 5 YEAR TANK GUARANTEE (2 YEAR GUARANTEE ON ELECTRICAL COMPONENTS)
- 'PLUG AND PLAY' - NO F-GAS QUALIFICATIONS NEEDED TO INSTALL



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## Technical Data

DESCRIPTION	NUOS FS 200	NUOS FS 250i
Tank Rated Capacity (litres)	200	250
Footprint (minimum) (mm)	600 x 600	600 x 600
Weight Empty (kg)	90	110
Weight Full (kg)	290	360
Minimum Ceiling Height (metres)	1.75	2
<b>CYLINDER</b>		
Normal Operating Pressure (bar)	3.5	3.5
Maximum Water Supply Pressure (bar)	12	12
Hot/Cold Water Connection	3/4" BSP - 22mm	3/4" BSP - 22mm
Heat Loss (@ 65°C) kW/h in 24hr	2.06	2.05
Global Warming Potential (GWP)	<5	<5
Ozone Depletion Potential (ODP)	0	0
<b>HEAT PUMP</b>		
Heat Rating* (kW)	2.775	2.775
Power Consumption* (kW)	0.75	0.75
CoP (Co-efficient of Performance)*	2.8	2.8
Heating Time (ΔT 45°C)* (mins)	236	302
Heating Energy Consumed* (kW/h)	2.2	2.7
Maximum Water Temp (Heat Pump Only) °C	55	55
<b>REFRIGERANT FLUID</b>		
Type of Fluid	R134a	R134a
Quantity (kg)	1.28	1.28
Practical Limit for Room Volume** m <sup>3</sup>	5.12	5.12
<b>ELECTRICAL DATA</b>		
Electrical supply V/Hz	220-240/50	220-240/50
Element Rating kW	1.5 + 1	1.5 + 1
Protection grade of electrical system IP	X4	X4
<b>AIR</b>		
Air Flow Rate m <sup>3</sup> /h	300 - 500	300 - 500
Available Static Pressure Loss Pa	70	70
Sound Level @ 1m dB(A)	56	56
Min. Temp of Room of Installation °C	1	1
Max. Temp of Room of Installation °C	35	35
Min. Volume of Room (non-ducted) m <sup>3</sup>	20	20
Min. Air Temp Required (w.b.) @ 90% r.h. °C	-5	-5
Max. Air Temp Required (w.b.) @ 90% r.h. °C	35	35
<b>REHEAT TIME</b>		
100% Capacity (Heat Pump Only - ΔT 45°C) mins	236	302
70% Capacity (Heat Pump Only - ΔT 45°C) mins	181	231
100% Capacity (Heat Pump & Element - ΔT 45°C) mins	140	194
70% Capacity (Heat Pump & Element - ΔT 45°C) mins	114	137

Model	CODE	Model	CODE
NUOS FS 200	3210041	NUOS FS 250i	3210042
Unvented Kit	3069418	Unvented Kit	3069419
Duct Kit (Inlet/Outlet) - Ø150mm / Ø200mm	3208061 / 3208071	90° Elbow - Ø150mm / Ø200mm	3208067 / 3208075
Wall Fixing brackets (2) - Ø150mm / Ø200mm	3208068 / 3208077		

## Accessories

AIR DUCT	Code	Code
	(Ø150mm)	(Ø200mm)
1m Tube	3208063	3208072
1.5m Tube	3208064	-----
2m Tube	-----	3208073
Joint	3208066	3208074
45° Elbow	3208067	3208076
1m Flexible Tube	3208069	-----

\* Tested in accordance with EN 16147

\*\* The practical limit is the minimum room volume the appliance should be installed in, the volume is based on quantity of refrigerant in the system. In the event of a sudden release of refrigerant then the min. room volume will make it safer for the engineer.

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## Ariston Domestic Range

10, 15 & 30 Litres

### TI-Shape - Over Sink and Under Sink Water Heaters

**2** 2 year guarantee



- Quality steel tank, with exclusive titanium enamel coating
- Regulation & safety thermostat
- External temperature control
- Heating indicator light
- Simple installation
- Environmentally sound & highly efficient thermal insulation
- 2 year tank guarantee (1 year on electrical components)

10L Under Sink  
15L Under Sink  
30L Over Sink

50L Over Sink  
80L Over Sink  
100L Over Sink

### Pro-R - Wall-Hung Electric Water Heater

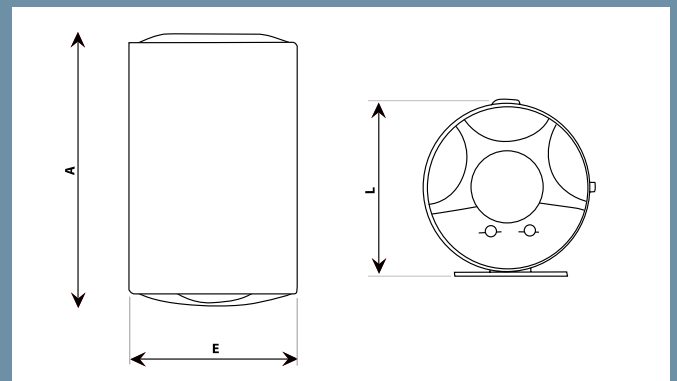
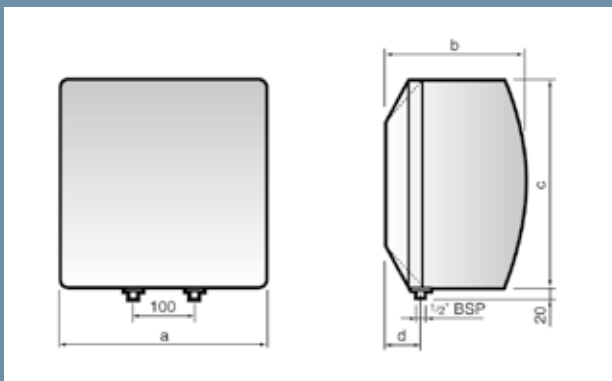
- Quality steel tank, 12 bar pressure tested and exclusive vitreous enamel coating
- Environmentally sound and highly efficient thermal insulation
- Magnesium anode to protect against corrosion
- Internal regulation thermostat
- Dual pole thermal cut-out
- Space Saving wall fixing
- Simple Installation



#### Water Temperature Recovery Times

Size	Element	Time
10LTR	2KW	17mins
15LTR	2KW	26mins
30LTR	2KW	52mins
50LTR	1.2KW	160mins
80LTR	1.2KW	260mins
100LTR	1.5KW	280mins

## Dimensions



	A	B	C	D
10 LTR U/S	350	255	350	90
15 LTR U/S	350	300	350	80
30 LTR O/S	440	365	440	110

	A	E	L
50 LTR	510	450	480
80 LTR	738	450	480
100 LTR	890	450	480