



FLEXIHEAT UK LTD
www.flexiheatuk.com
01202 822221

Aquaflex

the Largest Compact Indoor DHWHP

Our air source heat pump water heater with either 400 or 500 Litres hot water storage tank together in one compact unit, providing up to 75°C sanitary hot water for daily home life and/or commercial & industrial locations;

Combined with Solar PV, Solar Thermal, or a Boiler. This unit has WIFI controllability

1. Residential Use



Large homes



Apartment blocks

2. Commercial Use

- Hotels and Resorts: A 500-litre heat pump can supply hot water for guest rooms, kitchens, and laundry facilities, ensuring a consistent and energy-efficient supply of DHW;
- Gyms and Fitness Centres: It can provide hot water for showers, saunas, and other facilities that require domestic hot water.
- Restaurants and Cafeterias: For dish washing, food preparation, and cleaning, a heat pump water heater can meet the high demand for hot water efficiently.



3. Institutional Use

- Schools and Universities: It can supply hot water for dormitories, cafeterias, and sports facilities.
- Hospitals and Clinics: A 500-litre heat pump can provide hot water for patient care, sterilization, and cleaning processes.



4. Industrial Use & 5. Agricultural Use

- Small-Scale Manufacturing: In industries where warm water is needed for processes like cleaning, or a process application, a HWHP can be a cost-effective solution.
- Laundrettes: hot water for washing machines, reducing energy costs compared to traditional water heaters.
- Livestock Farming: Our Aquaflex water heaters provide hot water for cleaning facilities etc.





FLEXIHEAT UK LTD
www.flexiheatuk.com
01202 822221



Filled with
refrigerant



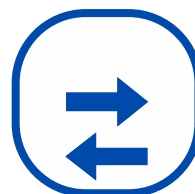
Max.water
temperature



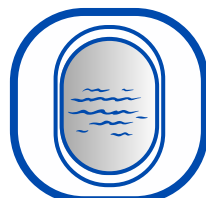
Smart defrosting



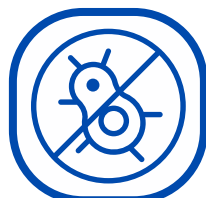
immerse
heater element



Modbus
communication



Stainless steel
water tank



Legionella killing



Anti-corrosion



Quick-installation



Integration with
Solar PV Panel



Mobile App
control

	EXTRA Functions	Status	
About Water Tanks	Extra Electric Heater	Standard	
	Standard Magesium Anode Optional: electric titanium anode		
	Pressure & Temperature Valve	can be optional	
	One way at water inlet	can be optional	
	Disinfection function	included	
	Solar Thermal Heat Transfer function	can be customized	
	Extra Gas or electric Boiler heat transfer function	can be customized	
	Double Layers OverHeat Protection	included	
	WIFI+APP	included	
	Get electricity from solar PV	included	

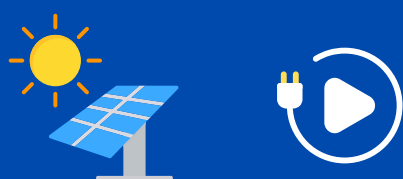


FLEXIHEAT UK LTD
www.flexiheatuk.com
01202 822221

- Detachable Top Cover, Easy for cable wiring and Maintenance, time-saving for installer



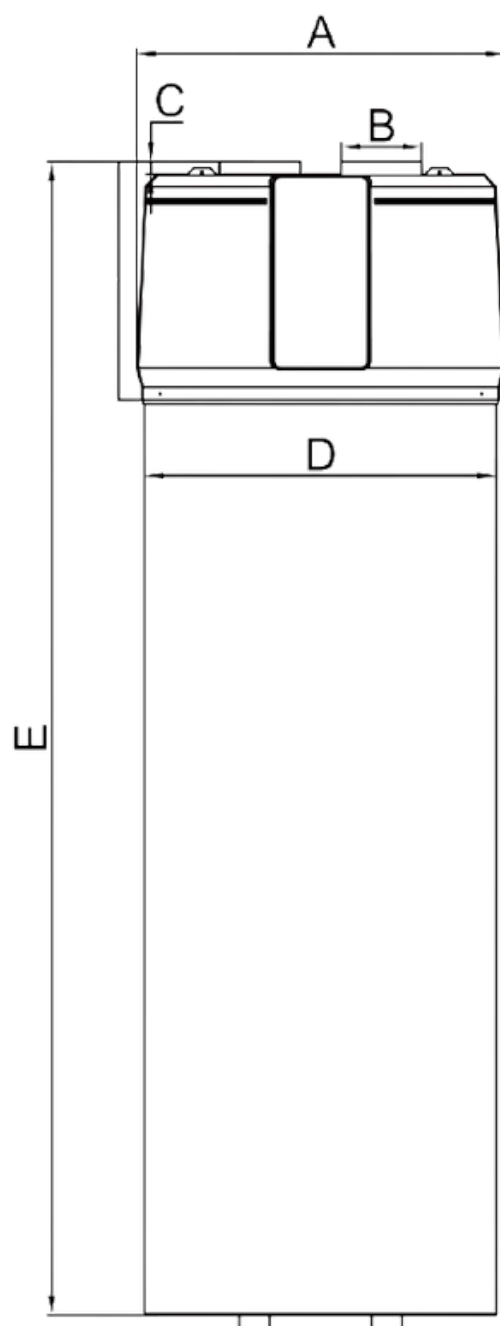
Not good
Not advised



E

A=
726mm for 400
and 500 Litre
models

E=
1975mm for 400
litre model;
2230mm for 500
litre model



Technical Spreadsheet:

Factory Model		Aquaflex2-400DC	Aquaflex2-500DC
Installation Ways		Floor-standing	
Power Supply		220-240V/1phase/50Hz	
Nominal Water Tank Volume(without extra coil)		400 Liters	500 Liters
*Ambient temperature 20°C/15°C, Water temperature from 15°C to 55°C.			
*Nominal Heating Capacity	kw	3.8	3.8
*Rated water yield	L/H	84	84
**Capacities and Heating Time based on ERP(EN16147) for Stage A , water temp heating from 10°C to 53°C.			
**Heating Capacity (AIR 20°C)	kW	3.1	3.1
**Heating Time (AIR 20°C)	HOURS	5.3	7
**Heating Capacity (AIR 7°C)	kW	2.52	2.52
**Heating Time (AIR 7°C)	HOURS	6.5	8.65
***COP and Energy Class based on ERP(EN16147) with tapping cycle XXL			
***COP (AIR 20°C) /(AIR 7°C)		3.26/2.77	3.25/2.77
***Energy Class (AIR 20°C) / (AIR 7°C)		A+ / A	A+ / A
Max.Water temperature -by HP/ by E-heater	°C	65 / 75	
Default Setting Temp.Range	°C	10-75	
Heat Pump Working Temp.Range	°C	-7C to plus 43C	
Sound Power/Sound Pressure-1meter	dB(A)	58/47	58/47
Refrigerant/ Compressor		R134A/ Rotary Compressor /AC Current	
Fan motor		DC motor	
Inner Water Tank Material		Duplex Stainless Steel(Premium or ECO)	
Max allowed pressure of tank	bar	10	
Net Dimensions	mm	700x1975	700x2230
Net Weight	Kg	115	125
Maximum current consumed	A	6.2 +6.8 (electric immersion heater)	
Air Duct diameter	mm	160	
All Water inlet&outlet /Size of water drain	inch	G 3/4	G 3/4
Condensed water outlet	inch	G 1/2	G 1/2



FLEXIHEAT UK LTD
www.flexiheatuk.com
01202 822221



Twin-Hybrid Heat

- Solar Collectors as Priority
- Gas/Oil Water Heater as Back up

E-Hybrid

DHW Heat Pump contains the pre-built in programming software which allows to receive the solar photovoltaic energy to make it self-generated electricity

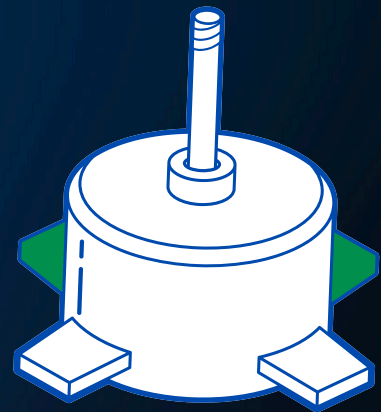


DC Driving Fan Motor

Aquaflex R290 monoblock domestic hot water heat pumps are designed with a DC type fan motor which contributes to silent operation, higher efficiency and less electricity bill.

"Bee Quiet"

Thanks to the compact design, together with advanced DC brushless fan motor and caring anti-sound protection foam, Valyrian gains an excellent working sound level, it is quieter than normal family conversation. Usually it is put in the basement or outdoor balcony, so it won't disturb living.



Glass Touch Control
+Mobile App
+HEMS



Customized water tank material options:

Duple Stainless steel



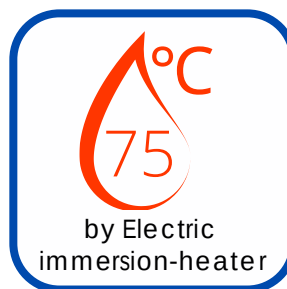
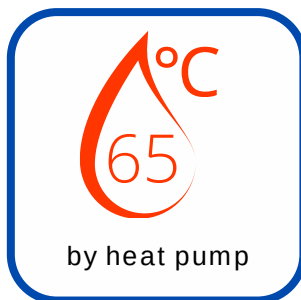
Premium Duplex
Stainless Steel 2205



ECO Duplex
Stainless Steel 2101

Max.temperature by 65°C by heat
pump only

Max.temperature by 75°C by
Electric immersion-heater



FLEXIHEAT UK LTD
www.flexiheatuk.com
01202 822221