

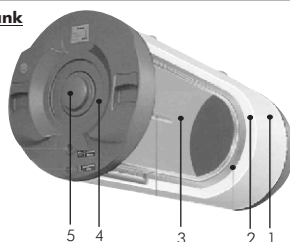


Ultrasun UFS

Flatplate Solar Water Heaters

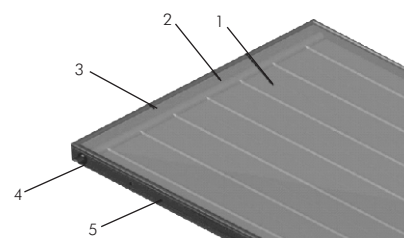


Direct Tank



1. Steel outside casing coated by electrostatic powder coating baked at 220°C to protect the tank from outdoor conditions and UV rays
2. Direct-injected, CFC-free polyurethane foam Insulation in 40mm thickness
3. Stainless steel hot water tank
4. UV resistant plastic cap
5. 2kW electric heater

Solar Collector



1. Copper Aluminum fin absorbing plate
2. High Transmittance Glass
3. Polyester Fibre Insulation
4. EPDM Sealing Gasket
5. 6063 Aluminium Alloy Frame

Ultrasun UFS Flatplate Solar hot water systems are economical effective heaters that provide excellent performance, good value and guaranteed long life. They are of Open Loop thermosyphon design with water flow circulating through the collector and being stored in the tank ready for use. Features include;

- Heavy duty storage tank comprising SUS304 stainless steel inner cylinder encased in a plastic painted insulated galvanized steel casing complete with 2kW electric heater and thermostat.
- Ultra high efficiency solar collectors incorporating capillary copper pipes ultrasonically welded on a black chrome backplate covered by high transmittance glass
- Insulated copper pipe complete with necessary compression fittings, pressure release valve and a drain cock
- Galvanised mounting frame

Ultrasun UFS Flatplate Systems are available in three sizes to suit domestic and small scale institutional applications. They are effective and robust products designed for many years of trouble free operation with a 5 year guarantee to demonstrate product quality.

OPERATING CONDITIONS

Water quality: Water outside the following limits should be appropriately pre-treated. Clarity: Clear, TDS: <600mg/l, Hardness: <200mg/l, CaCO₃

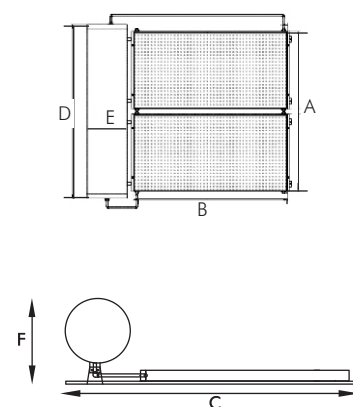
Saturation Index: >0.8

Max. Operating Temperature: 150°C

Max. Operating Pressure: 6bar

SPECIFICATIONS

Model	UFS 150D	UFS 200D	UFS 300D
System Tank Size (Litres)	150	200	300
Typical Household (People)	5	7	10
Flat Plate Collectors	1xFCP2.0	1xFCP2.4	2xFCP2.0
Collector (m ²)	2	2.4	4
Collector Weight (kgs)	32	38	64
Collector Fluid Capacity (litres)	12	15	24
Max Heat Output/Day (kWhrs)	11	14.3	22.3
Min Heat Output/Day (kWhrs)	7.4	9.6	14.9
Dimensions(mm)	A	1000	1400
	B	2000	2100
	C	2600	
	D	1170	1480
	E	520	2300
	F	620	
Empty Weight (kgs)	65	75	105
Full Weight (kgs)	215	275	405



NOTE

Maximum heating output is based on average irradiation levels of 6000W/m²/day prevailing in September- March and minimum Heating output is based on average irradiation levels of 4000W/m²/day prevailing in June/July and are for indicative purposes only.