

Bradford Solar Hot Water Evacuated Tube - Electric Boosted



Next Generation Solar Hot Water

An evacuated tube solar water heater is a 'split system'. The storage tank is ground mounted and the evacuated tubes are installed separately on the roof.

Solar energy is collected by the roof mounted evacuated tubes. Heated water is transferred through the header pipe above the tubes to the storage tank by an innovative control system. The system only operates when sufficient solar energy is available.

- ✓ Environmentally friendly
- ✓ High efficiency evacuated tubes absorb the maximum available solar energy
- ✓ Frost protection to withstand temperatures as low as -12°C
- ✓ Light weight roof mounted components for ease of installation
- ✓ Ground level tank reduces the aesthetic impact of adding a system to your roof
- ✓ Solar hot water tanks available in 175, 215, 250, 270, 315 litres
- ✓ Available with a vitreous enamel lined carbon steel tank
- ✓ Option of a continuous flow in line electric boosters
- ✓ Slimline tank design with small footprint



Evacuated Tubes - How they work

The tubes are manufactured in borosilicate glass with an inner glass tube providing a vacuum for heat retention.

The heat pipe is manufactured in copper and contains a small amount of purified water that turns to steam at approximately 30°C generating the heat that provides consumable hot water.

The energy the tubes collect is transferred to the consumable hot water inside the well insulated header assembly. This principle allows the collector to withstand temperatures as low as -12°C.

The added advantage in this design is the ability to replace tubes without disrupting water supply.

Electric Boosted Model Split System	Number of Tubes	Tanks Size	Booster	Booster capacity	STC Zone 3
System 57-SL	25	250L	3.6kW	150L	31
System 58-SL	25	315L	3.6kW	200L	30
System 59-SL	30	315L	3.6kW	200L	33

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