

SANTON

DFB

Vented Electric Water Heater

Combination Storage



DFB

Vented Electric Water Heater

DFB is particularly suited to installations where safe, useable hot water is required. Once set, the outlet temperature remains constant and due to the failsafe nature of the blender, there is no danger of the water being delivered at a higher temperature. Not only is DFB one of the safest water heaters available today, it is also extremely versatile.

There is no cold water cistern in DFB - this has been replaced by a float switch and solenoid valve. When a tap is turned on, the solenoid valve allows the float switch to perform the same function as a conventional ball valve. DFB can be mounted within 20mm of the ceiling as there is no cold water cistern to maintain.

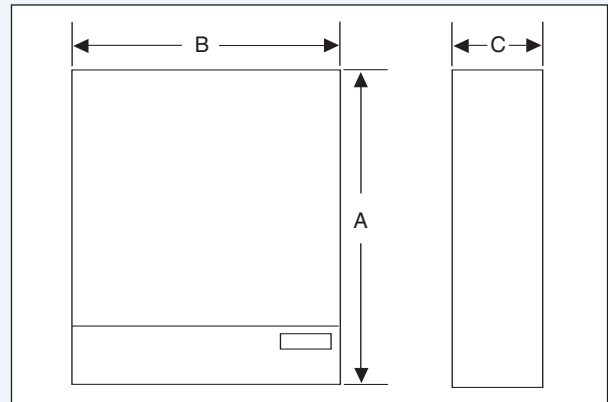


- Water is stored above 60°C. The risk of bacteria in the system is reduced at these higher temperatures. This also means more useable hot water is available.
- No ball valve maintenance.
- Bottom connections means DFB can be fitted within 20mm of walls and ceiling.
- Dry running and over temperature protection.
- Hot water is delivered safely and accurately to within $\pm 2^{\circ}\text{C}$ via a failsafe thermostatic blender.
- Patented safety overflow will discharge water below 40°C in a fault condition.
- Slimline modern styling with rounded corners for added safety.
- No cold cistern to harbour bacterial growth.

The pace of product development is such that we reserve the right to change product specifications without notice. We do, however, strive to ensure that all information in this catalogue is accurate at the time of going to publication.

DFB

Technical Specification



Dimensions

Model	Capacity (ltrs)	kW @240V	A (mm)	B (mm)	C (mm)	Weight (kgs)	
						Full	Empty
DFB25	25	3	770	600	170	47	22
DFB50	50	3	770	600	270	76	26
DFB75	75	3	870	600	330	105	30

Element

High quality resistance wire surrounded by a mineral powder encased in Superloy. The whole assembly is mounted onto a removable plate.

Outer Casing

Two piece removable in substantial gauge sheet steel anti-corrosion treated. Clearance of 20mm above is required for removal of the upper cover. Channels run down either side of the casing at the back to conceal pipework and allow installation against the wall.

Insulation

CFC/HCFC free (ODP ZERO) high density expanded polystyrene.

Inner Container

Copper. Pressure tested to 0.14 bar.

Control Thermostat

High quality capillary type pre-set at 63°C.

Safety Cut-out

High quality capillary manual reset cut-out wired in series with the control thermostat.

Blending Valve

Located beneath the lower cover, adjustable between 30°C - 52°C. Once set, accurate to within $\pm 2^{\circ}\text{C}$. A non-return valve is fitted to each side of the blender.

Solenoid Valve

Located beneath the lower cover on the right hand side and wired to the float switch.

Pressure Limiting Valve

Installed beneath the lower cover to ensure a balanced pressure enters the cold side of the blending valve. The unit gravity feeds from the blender to the outlet - the higher the unit is mounted, the greater the pressure at the tap.

Float Switch

Fitted in the rectangular copper tank in the top left hand corner, accessible beneath the removable upper cover.

Overflow

To discharge water below 40°C in a fault condition and accessible beneath the lower cover on the right hand side.

Minimum Head Requirements

To be installed with the base at least 1.0 metres above the highest tap. The higher the DFB is installed, the greater the pressure generated at the outlet.

Commissioning Switch

A switch is located beneath the bottom cover on the left hand side to protect the element when the unit is filling. Once the unit is full, the switch is turned on, activating the element.

Approvals

UK manufactured in a BS EN ISO9002 registered factory. WRAS Approved.

Plumbing Connections

Inlet - 15mm compression fitting.
Outlet - 22mm.
Overflow - 22mm copper pipe (push-on overflow screen supplied).
Drain - 1/2" full bore draincock.

Guarantee

Two years. Full details are contained within the installation instructions supplied with each unit.



SANTON

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