

Santon DFB Combination Storage Vented Electric Water Heater



DFB is particularly suited to installations where safe, usable hot water is required. Once set, the outlet temperature remains constant and due to the fail-safe 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There is no cold water cistern in DFB - this has been replaced by a float switch and solenoid valve.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.

Features:

- Water is stored above 60°C. The risk of bacteria in the system is reduced at these higher temperatures. This also means more usable 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 fail-safe 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.

Specification:

Approvals:

UK manufactured in a BS EN ISO9002 registered factory.

Capacities:

Model Ref. Litres kW @ 240V

DFB25 25 3

DFB50 50 3

DFB75 75 3

Guarantee:

2 year product guarantee, from date of purchase, with on-site service support. Full details are contained within the installation instructions supplied with each unit.

Heat Unit:

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

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Outer Casing:

2 piece removable in substantial gauge sheet steel anti-corrosion treated. Clearance of 15mm 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.

Safety Features:

High quality capillary manual reset cut-out (set at 83°C) wired in series with the control thermostat.

Thermal Insulation:

High density expanded polystyrene.

Thermostat Spec:

High quality capillary type preset at 63°C.

Water Container:

Copper. Pressure tested to 0.14 bar.

Installation Details:**Connections:**

Inlet - 15mm compression fitting. Outlet - 22mm.
Overflow - 22mm copper pipe (push-on overflow screen supplied).
Drain - ½" full bore draincock.

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Optional Thermostatic Blending Valve:

Located beneath the lower cover, adjustable between 30-52 °C. Once set, accurate to within ±2°C. A non-return valve is fitted to each side of the blender.

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