

## **Santon Premier Plus**



Manufactured to the highest standards from high grade stainless steel, the units offer exceptional corrosion resistance and a long life expectancy. Advanced primary coil and cold water controls design gives rapid re-heat and good flow rate performance. It provides mains pressure showering and is suitable for use in new build or refurbishment schemes for domestic or commercial applications. PremierPlus Solar is available in four capacities, from 190 to 300 litres, in both Direct and Indirect models, and can supply up to three bathrooms.

PremierPlus has been designed with features that benefit specifiers, installers and end users. These benefits combine to make PremierPlus exceptional value for money.

### **Features:**

- High-grade stainless steel for longer life.
- 10 year cylinder guarantee.
- Mains pressure hot water for balanced supply to showers and mixers - no shower pump to consider.
- High flow rates give improved hot water delivery.
- Complete package incorporates safety and hot water controls.

### **Specification:**

#### **Anode:**

No anode to maintain or replace.

#### **Approvals:**

WRAS and BEAB Approved  
WRC approved for Building Regulation G3

#### **Capacities:**

| Model | Litres |
|-------|--------|
| Ref.  |        |
| PP190 | 190    |
| PP210 | 210    |
| PP250 | 250    |
| PP300 | 300    |

#### **Controls:**

A fittings kit is supplied with every PremierPlus and comprises an expansion vessel and all valves necessary to ensure safe installation. Kits for indirect models include a '2 port' motorised valve.

#### **Factory Safety:**

Temperature and Pressure Relief Valve

**Guarantee:**

Cylinder - 10 years  
Expansion vessel - 5 years  
Element and other controls - 2 years.

**Outer Casing:**

Aluzinc coated, corrosion proofed steel with grey, high impact thermoplastic, moulded top and bottom covers.

**Primary Coil:**

22mm diameter, stainless steel.  
'Coil-in-coil' design for improved performance.

**Rating:**

Element rating  
Indirect units 1 x 3.0 kW (240V).  
Direct units 2 x 3.0 kW (240V) (1 x 3.0 kW PP100E).

Note:-

PP250E & PP300E - a 3rd element boss is supplied blanked off to enable an additional 3kW @ 240V element to be fitted if required. For additional element, order Code No. 94 970 036  
PP250B & PP300B - a second element boss in the boost position is supplied blanked off to enable an additional 3kW @ 240V element to be fitted. For additional element, order Code No. 94 970 036

**Safety Features:**

All Models:  
Temperature and pressure relief valve, factory set to operate at 10 Bar and 90°C.  
High limit thermostat, factory set at 80°C.  
Direct Models:  
Manually re-settable cut-out, set to 80°C.

**Sheath:**

Alloy sheathed element, incorporated into an easily removable heater plate, should replacement be necessary.

**Thermal Insulation:**

CFC – free fire retardant expanded polyurethane. 45mm thick.

**Thermostat Spec:**

Element thermostat adjustable from 10°C to 70°C.

**Water Container:**

High-grade stainless steel, pressure tested to 15 Bar.

**Installation Details:****Connections:**

Inlet/Outlet.  
22mm compression fittings/3/4" BSP parallel thread.

**Cold Water Control:**

Integrated cold water control set comprising pressure reducing valve and strainer- factory set at 3.5 bar, expansion relief valve - factory set at 6 bar and check valve. 22mm compression fittings.  
Tundish (supplied as part of kit) - 15mm compression Inlet and 22mm compression outlet.

**Compatible Boilers:**

Gas or Oil fired – open vent or sealed system type, fitted with integral control thermostat and cut-out.

**Electrical:**

Direct Models:

Connection is via a terminal block housed within the integrated controls housing. The electrical supply must be permanently connected via a double pole linked isolating switch with a minimum break capacity of 13A.

Indirect models:

Controls should be wired to the boiler, programmer etc. in accordance with the control scheme being used. The unit is suitable for 'S' Plan control systems. For 'Y' Plan systems a relay is required. This is available as an accessory – Part No 94 970 034

All electrical wiring must conform to the latest IEE Wiring Regulations.

**Flow Rates:**

Up to 55 ltrs per minute, @ 6 bar pressure.

**Guarantee:**

On-site service support from date of purchase.

Cylinder – 10 years.

Expansion vessel – 5 years.

Element and other controls – 2 years.

**Minimum Water Supply Reqmnts:**

Recommended minimum supply pressure – 1.5 bar/20 l/min flow rate.

If there are any doubts about water supply pressure or flow rates, please contact our Specification Advice Team to discuss.

**Plumbing:**

22mm compression fittings.

**Pressure Testing:**

Units are tested to 15 bar.

**Safety Valve:**

Temperature and pressure relief valve, factory set to operate at 10 Bar and 90°C.

**Safety Valve Discharge:**

15mm compression outlet.

**Secondary Circulation:**

Via 22 x 22 x 15mm swept tee, which should be fitted to the inlet pipework.

A swept tee is available as an optional accessory – part No 94 970 033

**Tundish:**

Tundish (supplied as part of kit) - 15mm compression Inlet and 22mm compression outlet.

**Temperature Relief Valve:**

Factory fitted

**Water Expansion:**

Remote expansion vessel – 18 ltr vessel supplied with 190 and 210 ltr models. 25 ltr vessel supplied with 250 and 300 ltr models.

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*Specification liable to change due to manufacturer's policy of continued development and improvement*