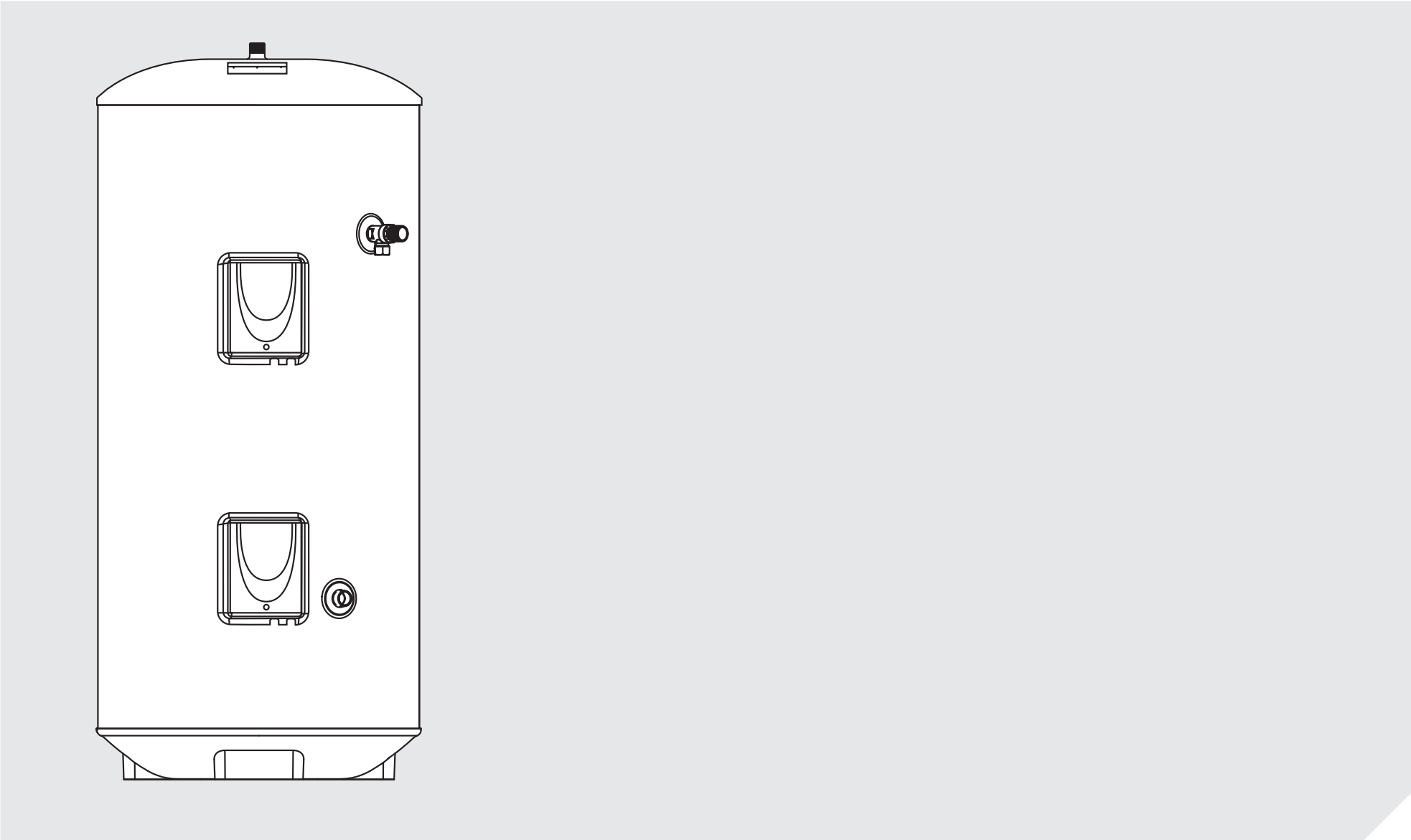


HEATRAESADIA

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PremierPlus Technical Data



PremierPlus

At a glance

	Direct (100-300 litres)	Indirect (100-300 litres)	Solar Direct / Indirect (170-300 litres)	SystemFit (120-300 litres)
Components				
Factory fitted immersion heaters	Yes	Yes	Yes	Yes
Thermal controls	Yes	Yes	Yes	Yes
Cold water inlet control comprising of:				
0.35MPa (3.5 bar) pressure reducing valve	Yes	Yes	Yes	Yes
0.6MPa (6 bar) pressure relief valve (BS EN 1567, BS EN 1492, EN 13959)	Yes	Yes	Yes	Yes
Line strainer	Yes	Yes	Yes	Yes
Non-return valve	Yes	Yes	Yes	Yes
Factory fitted temperature and pressure relief valve set at 90°C / 1 Mpa (10 bar) (BS EN 1490)	Yes	Yes	Yes	Yes
Tundish	Yes	Yes	Yes	Yes
Additional thermostat and thermal cut-out (indirect models only)	No	Yes	No / Yes	Yes
2 port motorised valve (Indirect and Solar models only)	No	Yes	Yes	Yes
Expansion vessel including mounting	Yes	Yes	Yes	Yes
Technical Specifications				
Maximum supply pressure to incoming mains cold water combination valve (supplied)	1.6MPa (16 bar)	1.6MPa (16 bar)	1.6MPa (16 bar)	1.6MPa (16 bar)
Minimum recommended supply pressure at 20 litres per minute	015MPa (1.5 bar)	015MPa (1.5 bar)	015MPa (1.5 bar)	015MPa (1.5 bar)
Operating pressure	0.35MPa (3.5 bar)	0.35MPa (3.5 bar)	0.35MPa (3.5 bar)	0.35MPa (3.5 bar)
Inner water container	Duplex	Duplex	Duplex	Duplex
Thermal insulation thickness (mm)	50	50	50	50
Primary coil hydraulic resistance @ 15 lpm	n/a	0.002MPa (0.2 bar)	n/a	0.002MPa (0.2 bar)
Solar coil hydraulic resistance @ 15 lpm	n/a	n/a	0.002MPa (0.2 bar)	n/a

PremierPlus

At a glance

	Direct (100-300 litres)	Indirect (100-300 litres)	Solar Direct / Indirect (170-300 litres)	SystemFit (120-300 litres)
Connections				
Primary flow	n/a	¾" BSP (M)	n/a	n/a
Primary return	n/a	¾" BSP (M)	n/a	n/a
Hot outlet	¾" BSP (M)	¾" BSP (M)	¾" BSP (M)	¾" BSP (M)
Cold inlet	¾" BSP (M)	¾" BSP (M)	¾" BSP (M)	¾" BSP (M)
Immersion heater boss	1¾" BSP (F)	1¾" BSP (F)	1¾" BSP (F)	1¾" BSP (F)
Secondary return	n/a	n/a	½" BSP (F)	n/a
Solar flow	n/a	n/a	¾" BSP (M)	n/a
Solar return	n/a	n/a	¾" BSP (M)	n/a
Auxiliary flow	n/a	n/a	¾" BSP (M)	n/a
Auxiliary return	n/a	n/a	¾" BSP (M)	n/a
Accessories				Product Code
Swept tee for direct secondary return				94:970:033

The unit must be fitted by a suitably qualified installer in accordance with current building regulations. Please contact your local Building Control Body for further advice.

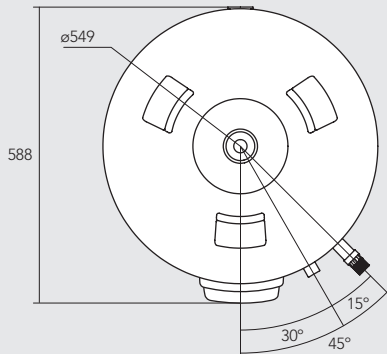
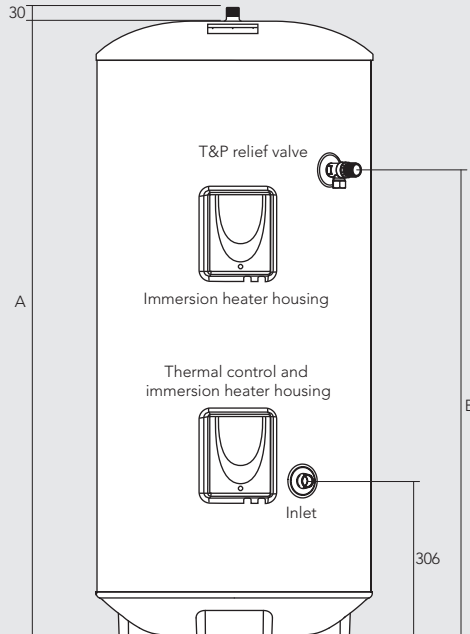
PremierPlus – Direct Specification

DIMENSIONS AND PERFORMANCE

Model	100d	120d	150d	170d	210d	250d	250D 9kW	300	300d 9kW
A - Height (mm)	784	906	1090	1216	1474	1726	1726	2040	2040
B - T&P Valve (mm)	493	616	800	925	1184	1437	1437	1751	1751

Product Code	94:050:800	94:050:801	94:050:802	94:050:803	94:050:804	94:050:805	94:050:806	94:050:807	94:050:808
Nominal capacity (litres)	100	120	150	170	210	250	250	300	300
Insulation thickness (mm)	50	50	50	50	50	50	50	50	50
Expansion vessel (litres)	12	12	12	18	18	24	24	24	24
Immersion heater rating (kW)	1 x 3	2 x 3	2 x 3	2 x 3	2 x 3	2 x 3	3 x 3	2 x 3	3 x 3
Weight empty (kg)	23	25	28	29	36	45	46	55	56
Weight full (kg)	123	145	178	199	246	295	296	355	356
T&P tapping	½"	½"	½"	½"	½"	½"	½"	½"	½"
T&P pressure setting (bar)	10	10	10	10	10	10	10	10	10
T&P temperature sensor (°C)	90	90	90	90	90	90	90	90	90
Expansion relief setting (bar)	6	6	6	6	6	6	6	6	6
Re-heat times 3kW (mins)	99	121	152	173	215	257	257	310	310
Heat loss (W/litre)	0.45	0.43	0.4	0.39	0.38	0.37	0.37	0.35	0.35
Heat loss (kWh/24h)	1.15	1.25	1.45	1.63	1.91	2.22	2.22	2.52	2.52
ErP rating	C	C	C	C	C	D	D	D	D

All PremierPlus cylinders are manufactured from Duplex stainless steel.



Measurements in mm

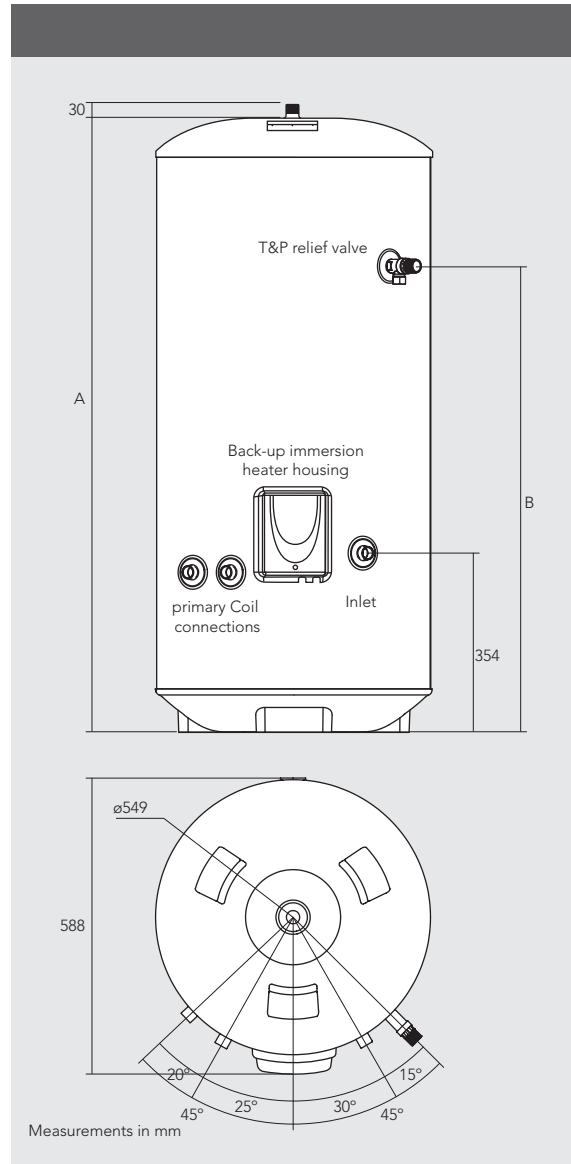
PremierPlus – Indirect Specification

DIMENSIONS AND PERFORMANCE

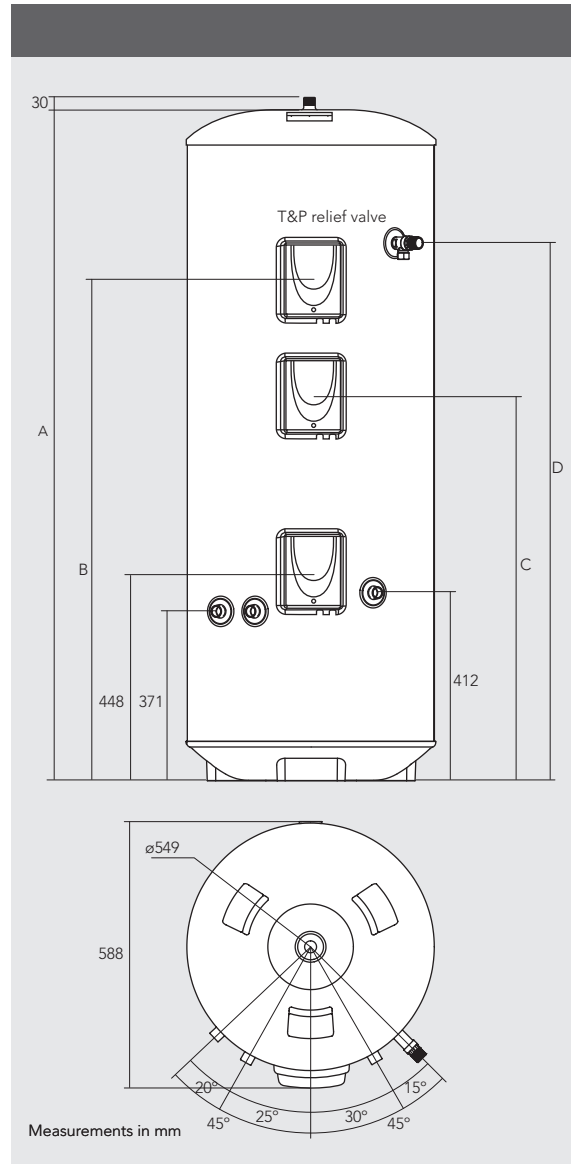
Model	100i	120i	150i	170i	210i	250i	250i 6kW	300i	300i 6kW
A - Height (mm)	784	906	1090	1216	1474	1726	1726	2040	2040
B - T&P Valve (mm)	500	616	800	927	1184	1439	1439	1754	1754

Product Code	94:050:809	94:050:810	94:050:811	94:050:812	94:050:813	94:050:814	94:050:815	94:050:816	94:050:817
Nominal Capacity (litres)	100	120	150	170	210	250	250	300	300
Insulation thickness (mm)	50	50	50	50	50	50	50	50	50
Expansion vessel (litres)	12	12	12	18	18	24	24	24	24
Immersion heater rating (kW)	1 x 3	1 x 3	1 x 3	1 x 3	1 x 3	1 x 3	2 x 3	1 x 3	2 x 3
Weight empty (kg)	25	27	31	33	41	50	51	60	61
Weight full (kg)	125	147	181	203	251	300	301	360	361
Coil surface area (m ²)	0.43	0.43	0.55	0.61	0.68	0.68	0.68	0.68	0.68
Coil heat transfer primary flow 15l/min (kW)*	15.2	15.4	15.9	17.3	19.2	18.6	18.6	18.8	18.8
Standing heat loss (kWh/24h)	1.14	1.25	1.45	1.63	1.91	2.22	2.22	2.52	2.52
Standing heat loss (kWh/year)	416.1	456.3	529.3	595	697.2	810.3	810.3	919.8	919.8
T&P tapping	½"	½"	½"	½"	½"	½"	½"	½"	½"
T&P pressure setting (bar)	10	10	10	10	10	10	10	10	10
T&P temperature setting (°C)	90	90	90	90	90	90	90	90	90
Expansion relief setting (bar)	6	6	6	6	6	6	6	6	6
Heat up time (from cold) (mins)	24	24	29	30	34	42	42	49	49
Max. Primary Pressure (coil) (bar)	10	10	10	10	10	10	10	10	10
Primary Flow rate (boiler l/min)	15	15	15	15	15	15	15	15	15
Primary Coil Resistance @ 15lpm (Mpa/bar)	0.02/0.2	0.02/0.2	0.02/0.2	0.02/0.2	0.02/0.2	0.02/0.2	0.02/0.2	0.02/0.2	0.02/0.2
Heat loss (W/litre)	1.14	1.24	1.45	1.63	1.91	2.22	2.22	2.52	2.52
Max. primary work pressure (bar)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
ErP rating	B	B	C	C	C	D	D	D	D

*MCWS static pressure. All PremierPlus cylinders are manufactured from Duplex stainless steel.



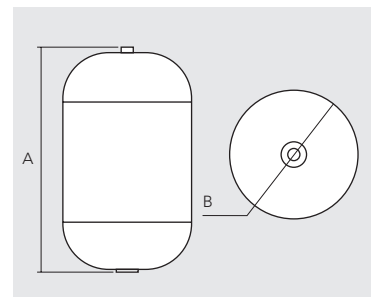
PremierPlus Solar – Direct Specification



DIMENSIONS AND PERFORMANCE

Model	170sd	210sd	260sd	300sd
A - Height (mm)	1221	1473	1792	2038
B - Auxiliary Element (mm)	n/a	1099	1384	1624
C - Back Up Element (mm)	808	808	905	999
D - T&P Valve (mm)	925	1183	1498	1749
Product Code	94:050:818	94:050:819	94:050:820	94:050:821
Nominal Capacity (litres)	170	210	260	300
Auxiliary volume	120	140	170	200
Expansion vessel (litres)	24	24	24	24
Insulation thickness (mm)	50	50	50	50
Immersion heater rating (kW)	1 x 3	2 x 3	2 x 3	2 x 3
Weight empty (kg)	35.5	42.5	58	61.5
Weight full (kg)	210	259	308	362
Solar coil surface area (m ²)	1.1	1.1	1.1	1.1
Standing heat loss (kWh/24)	1.51	1.91	2.23	2.53
Heat up time lower (3kw) (mins)	126	147	178	210
T&P tapping	½"	½"	½"	½"
T&P pressure setting (bar)	10	10	10	10
T&P temperature sensor (°C)	90	90	90	90
Expansion relief setting (bar)	6	6	6	6
ErP rating	C	C	C	D

All PremierPlus cylinders are manufactured from Duplex Stainless steel.



Potable Water Expansion Vessel

Model	190	210	250	300
Litres	24	24	24	24
Pre-set pressure (bar)	3.5	3.5	3.5	3.5
Connection (mbsp)	¾"	¾"	¾"	¾"
A Height (mm)	492	492	492	492
B Diameter (mm)	280	280	280	280

PremierPlus Solar – Indirect Specification

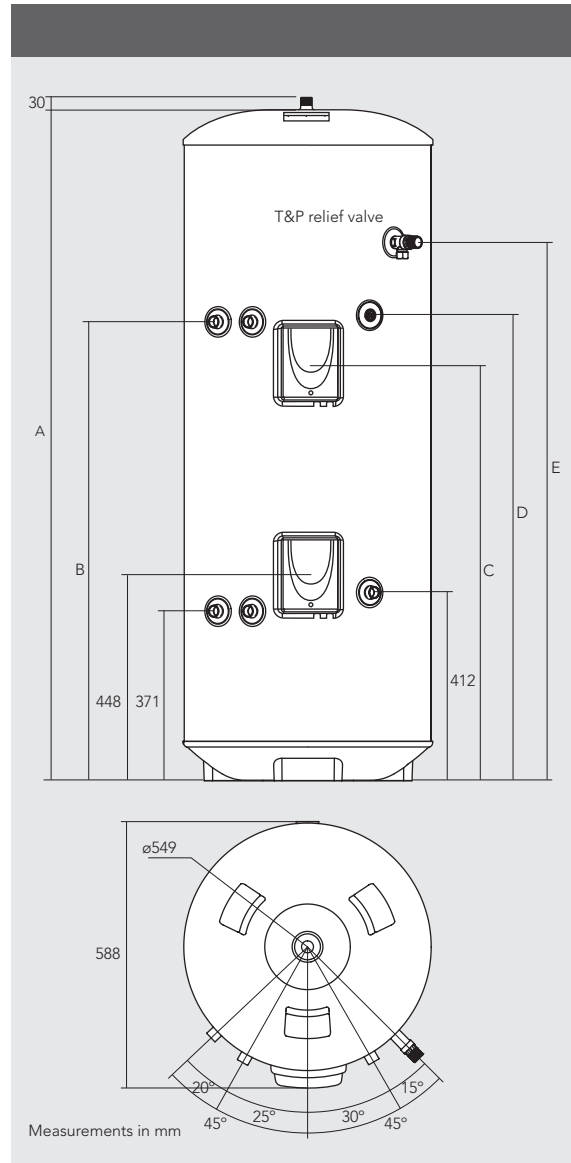
DIMENSIONS AND PERFORMANCE

Model	190si	210si	250si	300si
A - Height (mm)	1372	1473	1731	2038
B - Auxiliary coil (mm)	784	1012	1143	1440
C - Backup immersion heater (mm)	865	922	1066	1256
D - Secondary return (mm)	925	1095	1279	1592
E - T&P relief valve (mm)	1085	1186	1438	1752

Product Code	94:050:822	94:050:823	94:050:824	94:050:825
Nominal capacity (litres)	190	210	250	300
Auxiliary volume	120	120	145	174
Expansion vessel (litres)	24	24	24	24
Insulation thickness (mm)	50	50	50	50
Immersion heater rating (kW)	1 x 3	1 x 3	1 x 3	1 x 3
Weight empty (kg)	45.5	47.5	56.5	66.5
Weight full (kg)	240	264	308	367
Solar coil surface area (m ²)	1.1	1.1	1.1	1.1
Recovery times (auxiliary heating input only) (mins)	16	17	19	22
T&P tapping	½"	½"	½"	½"
T&P pressure setting (bar)	10	10	10	10
T&P temperature setting (°C)	90	90	90	90
Expansion relief setting (bar)	6	6	6	6
Max. Primary Pressure (coil) (bar)	10	10	10	10
Solar coil resistance at 1lpm (mpa/bar)	0.002/0.02	0.002/0.02	0.002/0.02	0.002/0.02
Auxiliary coil rating (kW)	14.7	15	16.2	18.8
Heat loss (kWh/24h)	1.92	1.96	2.25	2.52
ErP rating	C	C	D	D

All PremierPlus cylinders are manufactured from Duplex Stainless steel.

Potable Water Expansion Vessel – See page 6



PremierPlus SystemFit

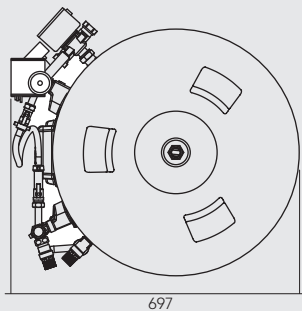
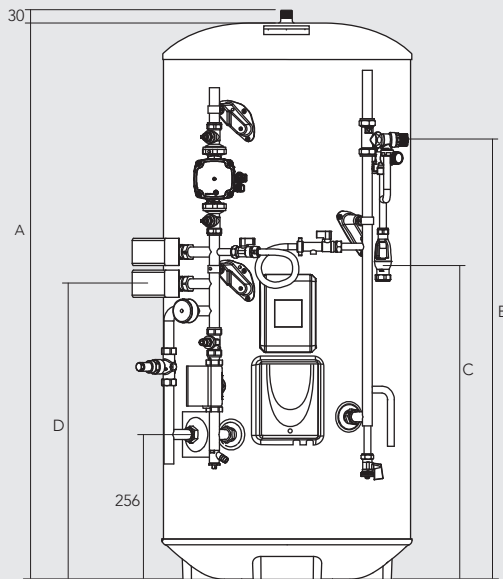
Specification

DIMENSIONS AND PERFORMANCE

Model	120sf	150sf	170sf	210sf	250sf	300sf
A - Height (mm)*	936	1119	1245	1503	1755	2069
B - T&P Valve (mm)	382	563	691	952	1139	1460
C - Tundish (mm)	728	917	1039	1300	1460	1805
D - Zone Valve (mm)	650	650	650	650	650	650
Product Code	94:050:300	94:050:301	94:050:302	94:050:303	94:050:304	94:050:305
Weight empty (kg)	39	43	45	53	62	72
Weight full (kg)	159	193	215	263	312	372
ErP rating	C	C	C	C	D	D

*Top of pump extends 95mm above this height.

All technical data for the PremierPlus SystemFit is identical to the indirect models, for this information please refer to page 5.



Measurements in mm

PremierPlus SystemFit

Specification

SystemFit Models:

The PremierPlus SystemFit is factory fitted with a number of components, providing an easier and cleaner installation and also cutting installation time.

Components:

- 3 x two-port 230V motorised valve
- 230V 15/60 circulator pump (plus 2 isolating valves)
- Wiring centre
- Auto bypass valve
- Balancing valve
- Drain cocks
- Filling loop
- Combined expansion valve/check valve housing
- Primary system pressure gauge
- Temperature and pressure relief valve operating at 90°C/10 bar
- Tundish

Component Detail:

Danfoss TP9000 programmable thermostat with timed Domestic Hot Water (DHW) control:

- Programmer dimensions: 135mm (W) x 88mm (H) x 32mm (D)
- Room temperature sensor dimension: 60mm (W) x 45mm (H) x 21mm (D)
- Power supply: 220/240V ac, 50Hz
- Switch action: 2 x SPDT, Type 18. Switch rating 220/240V ac, 50/60Hz, 3(1)A
- Power reserve: Minimum 24 hours
- Memory back up retained for life of product
- Enclosure rating: IP30
- Control temperature range: Selectable 5 to 30°C
- Holiday mode with room temperature setback
- Maximum ambient temperature: 45°C

Danfoss TP5000 programmable room thermostat:

- Programmer dimensions: 110mm (W) x 88mm (H) x 28mm (D)
- Power Supply: 2 x AA/MN1500/LR6 alkaline batteries
- Switching action: SPDT (voltage free)
- Memory back up retained for life of product
- Control temperature range: Off, 5 to 30°C
- Type of control: 5/2 day, 24 hour or A/B block programming
- Ball hardness test: 75°C

Honeywell 2 port motorised valves

- Model No.: V4043H
- Voltage rating: 230V ac, 50Hz
- Power consumption: 6W
- Primary water temperature range: 5 to 88°C
- Maximum ambient temperature: 52°C

Automatic differential by-pass valve:

- Model No.: RWC DIFF 200 005
- Setting range: 0 to 0.05 MPa (0 to 0.5 bar) differential pressure
- Maximum primary water temperature: 110°C
- Maximum operating pressure 1.0MPa (10 bar)

Programmable Room Thermostats:

The programmers and room temperature sensor are supplied loose such that they can be installed at a convenient location within the property. These items are supplied with their own installation and user instruction leaflet which should be referred to for details of mounting, wiring and programming.

NOTE: The room sensor is wired directly to the programmer not to the wiring centre. The room sensor must be used; it is not possible to integrate a standard room thermostat with the programmer. Temperature setting of the room temperature is also done at the programmer; there is no adjustment at the room temperature sensor. Temperature setting of the stored water in the PremierPlus SystemFit is done at the indirect thermostat housed within the indirect terminal housing on the front of the PremierPlus SystemFit unit.

PremierPlus

Specification

Heating system controls

The controls provided with the PremierPlus SystemFit will ensure the safe operation of the unit within a central heating system.

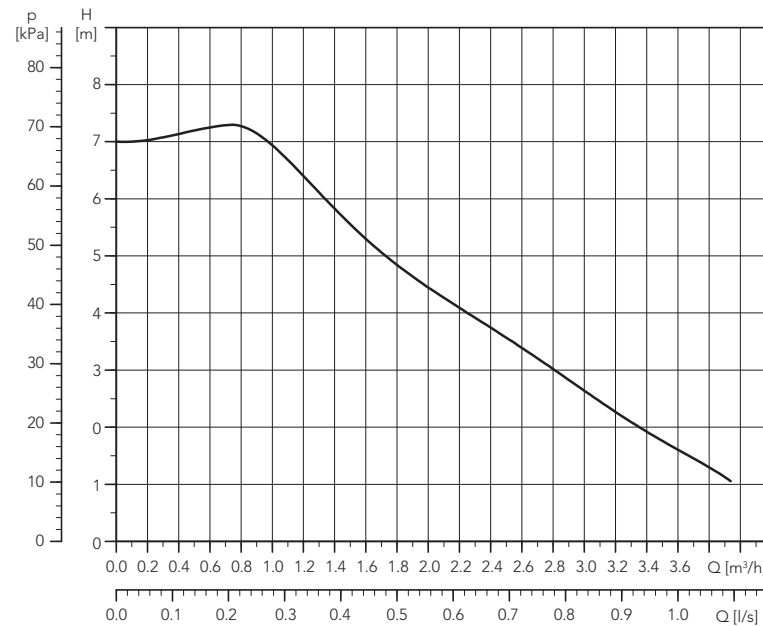
Connections to the various system components are made via the wiring centre fitted to the front of the PremierPlus SystemFit. The terminal identification labels within the wiring centre are to aid in connecting the various external system components such as the mains supply, programmer and boiler. The wiring to the external components is made using flexible cable, this should be secured using the integral cable grips located in the wiring centre.

The mains supply must be via a double pole isolating switch with a contact separation of at least 3mm in both poles. The supply must be fused 3 amp. A supply cable of 1.0 to 1.5mm² cross sectional area should be used.

Primary circulating pump:

- The pump used in this product has been upgraded to comply with ErP regulations brought into force 1st August 2015 (Directive EN16297/3) which set strict new requirements for the energy efficiency of standalone circulating pumps.
- Model No: Grundfos UPM Auto L
- Minimum inlet pressure: 0.05MPa (0.5 bar) at 95°C liquid temperature
- Maximum system pressure: 1MPa (10 bar)
- Voltage rating:
1 x 130V + 10%/-15%, 50Hz
- Maximum ambient temperature: +70°C
- Maximum media temperature: +95°C on composite housings, +110°C on cast iron housings
- Peak temperature:
T_m=130°C (for peak ≤ 30 min)

Pump performance graph:



PremierPlus

Specification

Outlet/Terminal fittings:

The PremierPlus can be used in conjunction with most types of terminal fittings.

It is advantageous in many mixer showers to have balanced hot and cold supplies, in these instances the balanced cold water supply should be teed off the supply to the PremierPlus immediately after the cold water combination valve (see pages 13-15). Branches to cold drinking outlets should be taken before the valve.

Outlets situated higher than the PremierPlus will give outlet pressures lower than that at the cylinder, a 10m height difference will result in a 1 bar pressure reduction at the outlet fitting.

NOTE: Terminal fittings should have a rated operating pressure of at least 0.8MPa (8 bar).

Application	Indirect	Direct
Bedsit	100i	100d
1 bed 1 bath & shower	120i	120d/150d
2 bed 1 bath & shower	120i	150d/170d
3 bed 1 bath & shower	150i	210d
4 bed 1 bath & shower	170i	210d
4/5 bed 1 bath & shower	210i	250d
4/5 bed 2 bath & shower	250i	300d
Light commercial use	250i/300i	250d/300d

Please note all sizings are calculated using BS6700 recommendations. Actual usage requirements should be assessed to select correct cylinder.

Limitations:

The PremierPlus unvented water heater should not be used in association with any of the following:

- Solid fuel boilers or any other boiler in which the energy input is not under effective thermostatic control, unless additional and appropriate safety measures are installed
- Ascending spray type bidets or any other class 1 back syphonage risk require that a type A air gap be employed
- Steam heating plants unless additional and appropriate safety devices are installed
- Situations where maintenance is likely to be neglected or safety devices tampered with
- Water supplies that have either inadequate pressure or where the supply may be intermittent
- Situations where it is not possible to safely pipe away any discharge from the safety valves
- In areas where the water consistently contains a high proportion of solids, e.g. suspended matter that could block the strainer unless adequate filtration can be ensured

PremierPlus

Installation

Installation Requirement:

The installation must be carried out by a competent plumbing and electrical installer in accordance with the appropriate Building Regulations & Technical standards. England & Wales – G3. Scotland – Section 4.9. Northern Ireland – P5. Furthermore in accordance with the Water Fittings Regulations (England & Wales) or Water Byelaws (Scotland).

Water Supply:

It should be noted that the water supply to the property will be supplying both the hot and cold water requirements simultaneously. It is recommended that the maximum water demand is assessed and the water supply checked to ensure this demand can be satisfactorily met.

NOTE: A high water pressure will not always guarantee high flow rates.

Wherever possible the PremierPlus supply pipe should be 22mm. We suggest the minimum supply requirements should be 1.5 bar pressure and 20 litres per minute flow-rate. However at these values outlet flow rates may be poor if several outlets are used simultaneously. The higher the available water pressure and flow rate the better the system performance.

The PremierPlus cylinder has an operating pressure of 3.5 bar which is controlled by the cold water combination valve assembly. The cold water combination valve assembly can be disconnected to a maximum pressure of 16 bar.

The PremierPlus cylinder is to be used for the storage of wholesome water (max 250mg/l Chloride).

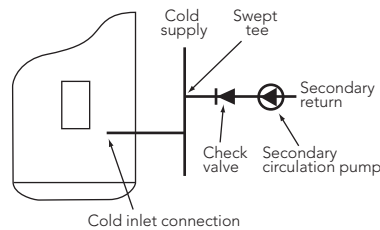
Electrical Supply:

The PremierPlus must be earthed. The PremierPlus is suitable for AC supply only.

Electrical installation must be carried out by a competent electrician and be in accordance with the latest I.E.E. wiring regulations.

Secondary Circulation:

If secondary circulation is required it is recommended that it be connected to the PremierPlus cylinder as shown below via a swept tee joint into the cold feed to the unit. A swept tee joint is available as an accessory (part no. 94:970:033).



The secondary return pipe should be in 15mm pipe and incorporate a check valve to prevent backflow. A suitable WRAS approved bronze circulation pump will be required. On large systems, due to the increase in system water content, it may be necessary to fit an additional expansion vessel to the secondary circuit. This should be done if the capacity of the secondary circuit exceeds 10 litres. In direct electric installations where a secondary circulation is required particular attention should be paid by the installer to maintain the return water temperature (guidelines

state that a minimum of 55°C return temperature is advisable). Factors such as, but not limited to, secondary circulation flow rates, minimising heat loss of all secondary circuit pipework and timed operation during periods of high demand are critical to the correct operation and longevity of the heating element(s) and thermostats.

Secondary circulation is not recommended for direct electric units using off-peak tariffs where the secondary circulation is not controlled in conjunction with the heat source as performance can be affected.

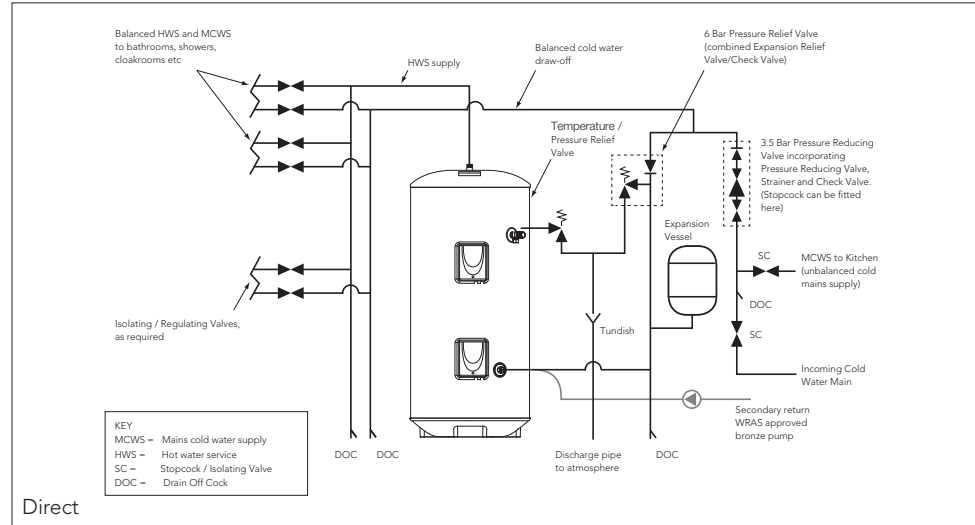
Pipe capacity (copper):

15mm O.D. = 0.13 l/m (10 litres = 77m)
 22mm O.D. = 0.38 l/m (10 litres = 26m)
 28mm O.D. = 0.55 l/m (10 litres = 18m)

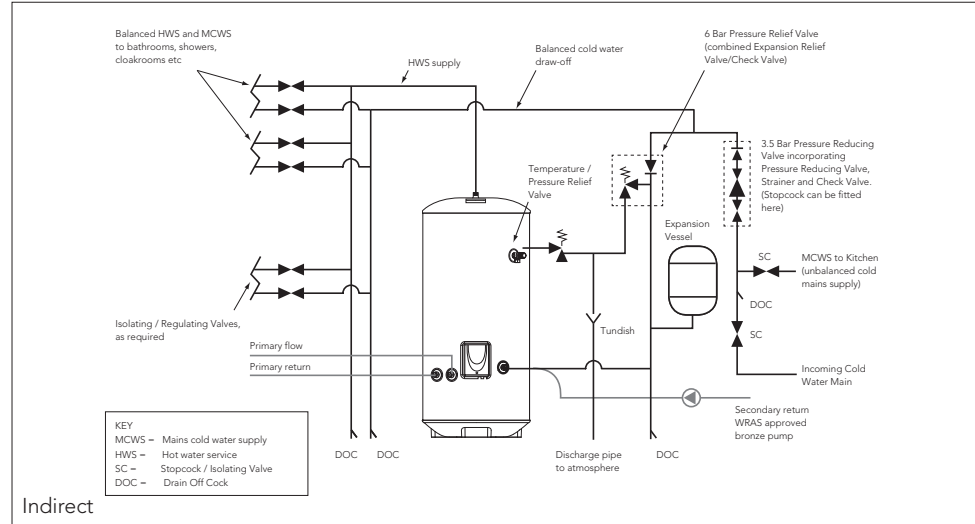
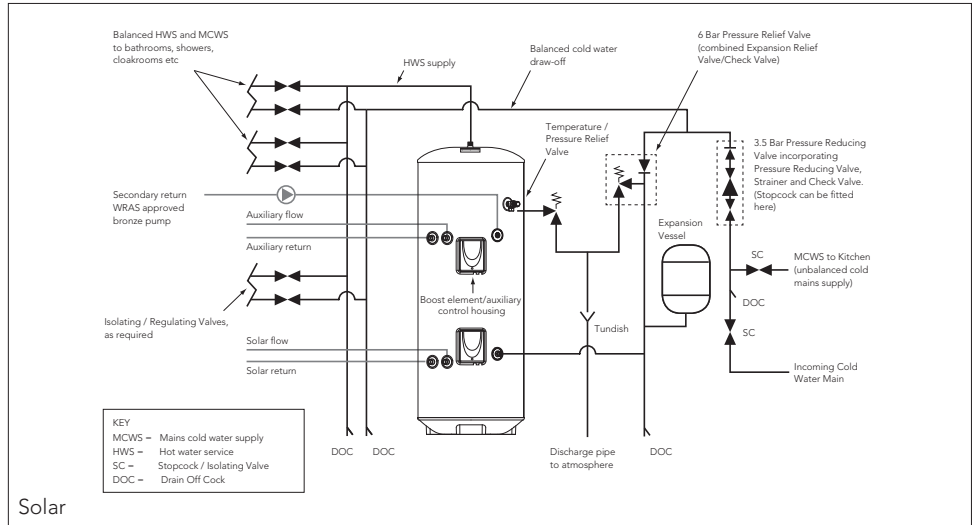
PremierPlus

Typical Installation

DIRECT / INDIRECT



SOLAR



PremierPlus

Codes of practice/legislation

EU Directives:

- Pressure Equipment Direct 97/23/EC
- Low Voltage Directive (LVD) 2006/94/EC
- Electromagnetic Compatibility (EMC) Directive 2004/108/EC

Legislation:

- Building Regulations Part G and Part L (England and Wales)
- Scottish Building Standards Section 4 and Section 6
- Building Regulations (Northern Ireland) Parts F1 and F2 and Part P
- Water Supply (Water Fittings) Regulations (England and Wales)
- The Water Byelaws 2004 (Scotland)

Standards:

- Relevant clauses of the following standards are complied with
 - EN12897 – Specification for indirectly heated unvented cylinders
 - EN 60335-2-21 – Safety-Particular requirements for storage water heaters.
- The stainless steel materials used comply with the relevant clauses of:
 - EN 10088 – Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for general purposes.

Components supplied comply with the following standards:

- BS EN 1490 Building valves – combined temperature and pressure relief valves
- BS EN 1491 building valves – expansion valves
- BS 6144 Specification for expansion vessels using an internal diaphragm for unvented water supply systems
- BS EN 1567 Building Valves – Water pressure reducing valves and combination reducing valves
- BS EN 60730-1 Automatic Electrical Controls – For households and similar use. Part 1:General requirements
- BS EN 60730-2-8 Automatic electrical controls – particular requirements for electrically operated water valves.
- BS EN 13959 Anti-pollution check valves

The use of these water heaters will aid in compliance with:

- Health and Safety executive approved code of practice L8: The control of legionella bacteria in water systems
- BS EN 806 Parts 1 to 5: Specification for installations inside building conveying water for human consumption
- BS 8558 Guide to design, installation, testing and maintenance of services supplying water for domestic use within buildings.
- Chartered Institute of Building services engineers Guide B and Guide F

Manufactured in a factory approved to:

- BS EN ISO 9001
- OHSAS 18001
- ISO 14001
- ISO 50001

Approvals:

- Kiwa – 1207700
- Nemko – P12215506

ErP

Technical data

Direct

Supplier's name or trade mark	Premier Plus									Premier Plus Solar			
Supplier's model identifier	100D	120D	150D	170D	210D	250D	250D 9kW	300D	300D 9kW	170D	210D	260D	300D
Storage volume V in litres	100	120	150	170	210	250	250	300	300	170	210	260	300
Mixed water at 40 °C V40 in litres	143	180	234	265	332	395	395	464	464	105.7	205.3	258.5	279.5
The declared load profile	M	M	L	L	XL	XL	XL	XL	XL	M	L	L	L
The water heating energy efficiency class of the model	C	C	C	C	C	D	D	D	D	C	C	C	C
The water heating energy efficiency in %	36.2	36	37.3	37.1	38.1	37.4	37.4	36.6	36.6	37.4	37.7	38.9	38
The annual electricity consumption in kWh	1418	1424	2741	2759	4395	4478	4573	4478	4573	1373	2716	2632	2697
Daily fuel consumption Q fuel in kWh	6.640	6.680	12.730	12.840	20.300	20.790	21.350	20.790	21.350	6.380	12.580	12.090	12.470
The thermostat temperature settings of the water heater, as placed on the market by the supplier	60°C	60°C	60°C	60°C	60°C	60°C	60°C	60°C	60°C	60°C	60°C	60°C	60°C

Indirect

										Premier Plus Solar			
Model(s)	100i	120i	150i	170i	210i	250i	300i	250i 6kW	300i 6kW	190i	210i	250i	300i
The water heating energy efficiency class of the model	B	B	C	C	C	D	D	D	D	C	C	D	D
Storage volume V in litres	100	120	150	170	210	250	300	250	300	190	210	250	300
Standing loss in W	48	52	60	68	80	93	105	93	105	80	82	94	105

Systemfit

Model(s)	120SF	150SF	170SF	210SF	250SF	300SF
Energy efficiency class	B	C	C	C	D	D
Standing loss in W	52.1	60.4	67.9	79.6	92.5	105
Storage volume in litres	120	150	170	210	250	300

SMART HOT WATER SOLUTIONS

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