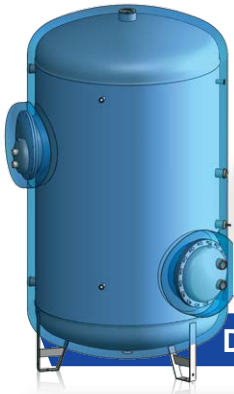


DHW PRODUCTION TANKS

U-TUBE HEATERS VERSION

(PRIMARY BACK-UP AND/OR SOLAR)

“PREFERENCE” RANGE - FROM 500 TO 6 000L



CE compliance
• 2014/68/UE
• 2014/35/UE



Tubular heaters



Inspection manhole(s)



“RC” internal coating (WRAS approved material)



Standard and classic DHW version

DESCRIPTION

Tank

- Vertical carbon steel tank with 3 feet.
- Capacity from 500 to 3 000L.
- Maximum working pressure = 7 bar - Test pressure = 10 bar.
- Tappings (in accordance with the following diagram).
- Specific tapping for the solar regulation sensor.
- ø 400 mm inspection manhole⁽¹⁾ on the top section for fixing the solar U-tube heater (ø 400 mm fixing flange at the bottom of the tank for primary back-up U-tube heater).

⁽¹⁾Note : Compliant with the recommendations of the French General Directorate for Health.

Internal coating (WRAS approved material)

- Finished with “RC851” coating (Maximum temp = 85°C constant) or “RC951” coating (T-max = 95°C at peak times).
- Magnesium protection anode(s) with wear indicator.

External protection

- Anti-rust paint.

Removable thermal insulation (including the inspection manhole and the bottom of the tank)

Fire proof rating : M1 (Euroclass B)

- High-performance mineral wool - 100 mm thick ($\lambda = 0,032 \text{ W/m/K} - 32 \text{ kg/m}^3$).
- Flexible PVC jacket.

Fire proof rating : M0 (Euroclass A2)

- Rockwool - 100 mm thick ($\lambda = 0,034 \text{ W/m/K} - 40 \text{ kg/m}^3$).
- Isoxal metal sheet jacket.

Solar and primary U-tube heaters

- Removable U-tube heaters with bundle made of 316 L stainless steel, fixed onto the inspection manholes.
- Inlet/outlet DN32F or DN50F + DN8F purge.
- $\Delta p \leq 0,25 \text{ mWC}$.
- Class B heater, compliant with article 16.9 of the French General Directorate for Health.

Options

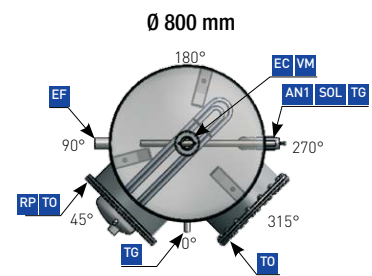
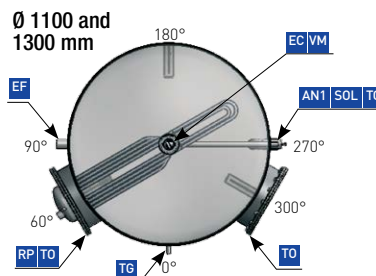
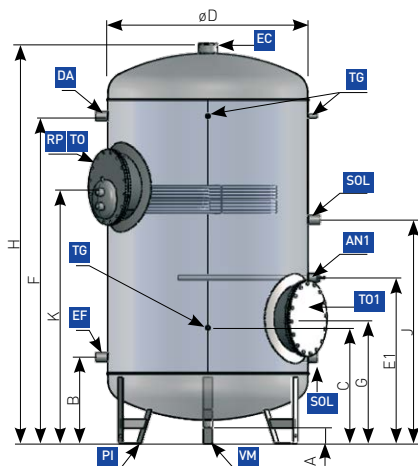
- Solar module with maximum WP of 6 bar (circulator, safety valve, manometer, thermometers, non-return valve, flow rate meter, degasser, valves, thermal insulation).
- Specific tapping for the solar regulation sensor.
- Electric backup (immersion heater on the top section + double safety thermostat).
- ø 400 mm inspection manhole at the bottom of the tank for primary back-up heater version only.
- Accessories kit (thermometer, DN25 safety valve, DN50 drainage valve, air vent valve).
- Upon request : non-standard capacity, dimensions, working pressure and tappings implantation.

Warranties (in accordance with our general conditions of sale)

- Tank = 5 years.
- U-tube heaters = 5 years.
- Accessories = 1 year.

DIMENSIONS

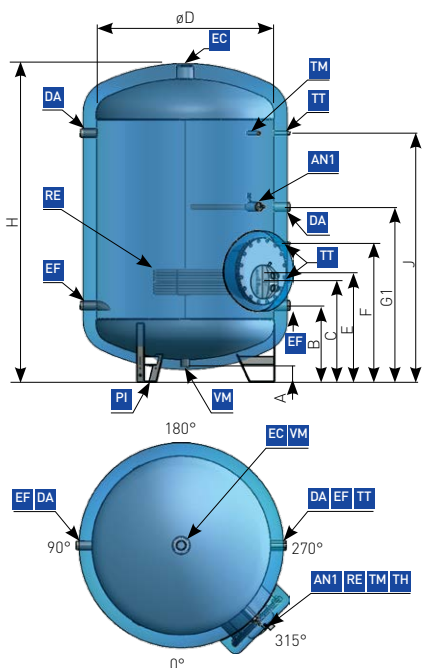
Primary back-up heater version only :



Capacity (litres)	A (mm)	B (mm)	C (mm)	øD (mm)	E1 (mm)	F (mm)	G (mm)	H (mm)	J (mm)	K (mm)	Weight (kg)
500	90	410	510	650	925	1 420	660	1 820	1 030	1 130	250
750	90	440	540	800	955	1 450	690	1 880	1 060	1 160	290
1 000 ⁽¹⁾	90	440	630	800	955	2 000	690	2 430	1 330	1 540	320
1 000 ⁽¹⁾	90	475	575	950	990	1 485	725	1 960	1 100	1 195	350
1 500 ⁽¹⁾	90	475	665	950	990	2 035	725	2 510	1 100	1 575	380
1 500 ⁽¹⁾	90	510	610	1 100	1 025	1 520	760	2 020	1 160	1 230	420
2 000 ⁽¹⁾	90	510	700	1 100	1 025	2 070	760	2 570	1 400	1 610	480
2 000 ⁽¹⁾	90	560	660	1 300	1 075	1 570	810	2 110	1 220	1 280	540
2 500	90	560	700	1 300	1 075	1 820	810	2 350	1 280	1 460	560
3 000	90	560	750	1 300	1 075	2 120	810	2 660	1 450	1 660	590

- AN1 Threaded tapping 40/49
- DA Outlet/loop returns (DN50 G ext. thread)
- EC Hot water outlet (DN50 threaded G)
- EF Cold water inlet (DN50 threaded G)
- PI Support feet
- RP Primary heater
- SOL Solar exchanger (DN50 threaded G)
- TG Threaded tappings for thermometer and thermostat (DN15 G int. thread)
- TO ø 400 mm fixing flange of primary heater
- TO1 ø 400 mm inspection manhole (optional)
- VM Threaded drainage outlet (DN50 G ext. thread)

Solar heater version only :

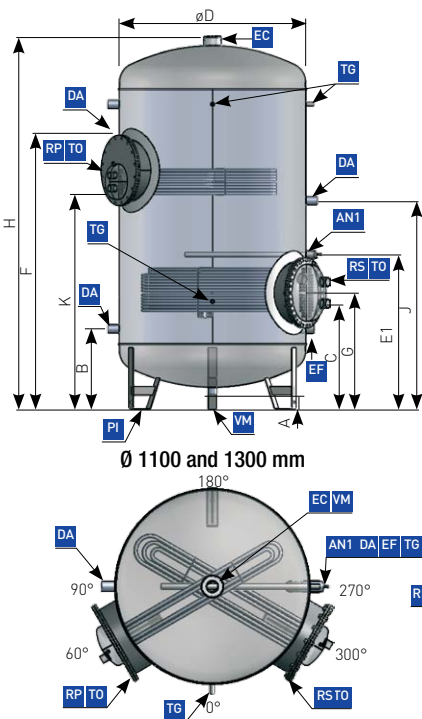


- AN1** Threaded tapping 40/49
- DA** Outlet/loop return (DN50 threaded G)
- EC** Hot water outlet (DN50 threaded G)
- EF** Cold water inlet (DN50 threaded G)
- PI** Support feet
- RE** Solar heater

- TH** ø 400 mm inspection manhole
- TM** Tapping for thermometer (DN15 G int. thread)
- TT** Threaded tappings for thermostat (or PT100 probe) (DN15 G int. thread)
- VM** Threaded drainage outlet (DN50 threaded G)

Capacity (litres)	A (mm)	B (mm)	C (mm)	øD (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)	Weight (kg)
500	90	410	560	650	660	860	1030	1820	1420	140
750	90	440	590	800	690	890	1060	1880	1450	175
1000H ⁽¹⁾	90	440	590	800	690	890	1330	2430	2000	210
1000B ⁽¹⁾	90	475	650	950	725	925	1100	1960	1485	235
1500H ⁽¹⁾	90	475	650	950	725	925	1100	2510	2035	280
1500B ⁽¹⁾	90	510	685	1100	760	960	1160	2020	1520	290
2000H ⁽¹⁾	90	510	685	1100	760	960	1400	2570	2070	345
2000B ⁽¹⁾	90	560	745	1300	810	1010	1220	2110	1570	400
2500	90	560	745	1300	810	1010	1280	2350	1820	430
3000	90	560	745	1300	810	1010	1450	2660	2120	470

Solar and primary back-up heaters versions :



Capacity (litres)	A (mm)	B (mm)	C (mm)	ØD (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)	K (mm)	Weight (kg)
500	90	410	510	650	925	1420	660	1820	1030	1130	250
750	90	440	540	800	955	1450	690	1880	1060	1160	290
1000H ⁽¹⁾	90	440	630	800	955	2000	690	2430	1330	1540	320
1000B ⁽¹⁾	90	475	575	950	990	1485	725	1960	1100	1195	350
1500H ⁽¹⁾	90	475	665	950	990	2035	725	2510	1100	1575	380
1500B ⁽¹⁾	90	510	610	1100	1025	1520	760	2020	1160	1230	420
2000H ⁽¹⁾	90	510	700	1100	1025	2070	760	2570	1400	1610	480
2000B ⁽¹⁾	90	560	660	1300	1075	1570	810	2110	1220	1280	540
2500	90	560	700	1300	1075	1820	810	2350	1280	1460	560
3000	90	560	750	1300	1075	2120	810	2660	1450	1660	590

- AN1** Threaded tapping 40/49
- DA** Outlet/loop return (DN50 threaded G)
- EF** Cold water inlet (DN50 threaded G)
- EC** Hot water outlet (G int. thread)
- PI** Support feet
- RS** Solar heater
- RP** Primary heater (back-up)
- TG** Threaded tappings for thermometer and thermostat (DN15 G int. thread)
- TO** ø 400 mm inspection manhole
- VM** Threaded drainage outlet (DN50 threaded G)

TECHNICAL SPECIFICATIONS OF U-tube heaters

Primary heater:

Primary system = 90/70°C - Secondary system = 10/60°C

Capacity (litres)	Back-up heater		Flow rate (m ³ /h)	Head loss (mWC)	Surface area (m ²)
	Power (kW)	Tapping I/O			
500	12	DN32	0,5	0,1	0,54
750	25	DN32	1,1	0,15	0,98
1000H ⁽¹⁾	25	DN32	1,1	0,15	0,98
1000B ⁽¹⁾	25	DN32	1,1	0,15	0,98
1500H ⁽¹⁾	34	DN32	1,5	0,2	1,8
1500B ⁽¹⁾	34	DN32	1,5	0,2	1,33
2000H ⁽¹⁾	58	DN32	2,5	0,35	2,5
2000B ⁽¹⁾	58	DN32	2,5	0,45	2
2500	58	DN32	2,5	0,45	2
3000	58	DN32	2,5	0,45	2

Solar heater:

Primary system (glycol water 30%) 80/65°C - Secondary system 10/60°C

Capacity (litres)	Solar heater		Flow rate (m ³ /h)	Head loss (mWC)	Surface area (m ²)
	Power (kW)	Tapping I/O			
500	16	DN32	1,1	0,1	1
750	30	DN32	2	0,15	1,8
1000H ⁽¹⁾	30	DN32	2	0,15	1,8
1000B ⁽¹⁾	30	DN32	2	0,15	1,8
1500H ⁽¹⁾	40	DN65	2,7	0,3	3,3
1500B ⁽¹⁾	40	DN32	2,7	0,15	2,45
2000H ⁽¹⁾	60	DN32	4	0,7	3
2000B ⁽¹⁾	60	DN65	4	0,15	5,1
2500	80	DN65	5,2	0,3	5,1
3000	80	DN65	5,2	0,3	5,1

⁽¹⁾Note : H = High version ; B = Low version.

AVAILABLE MODELS AND PRICES

Primary back-up heater version :

Capacity (Litres)	Reference with 100 mm-M1 jacket		Reference with 100 mm-M0 jacket	
	85°C tank	95°C tank	85°C tank	95°C tank
500	PLP050M11V	PSP050M11V	PLP050M01V	PSP050M01V
750	PLP075M11V	PSP075M11V	PLP075M01V	PSP075M01V
1 000H ⁽¹⁾	PLP100M11HV	PSP100M11HV	PLP100M01HV	PSP100M01HV
1 000B ⁽¹⁾	PLP100M11BV	PSP100M11BV	PLP100M01BV	PSP100M01BV
1 500H ⁽¹⁾	PLP150M11HV	PSP150M11HV	PLP150M01HV	PSP150M01HV
1 500B ⁽¹⁾	PLP150M11BV	PSP150M11BV	PLP150M01BV	PSP150M01BV
2 000H ⁽¹⁾	PLP200M11HV	PSP200M11HV	PLP200M01HV	PSP200M01HV
2 000B ⁽¹⁾	PLP200M11BV	PSP200M11BV	PLP200M01BV	PSP200M01BV
2 500	PLP250M11V	PSP250M11V	PLP250M01V	PSP250M01V
3 000	PLP300M11V	PSP300M11V	PLP300M01V	PSP300M01V

Solar heater version:

Capacity (Litres)	Reference with 100 mm-M1 jacket		Reference with 100 mm-M0 jacket	
	85°C tank	95°C tank	85°C tank	95°C tank
500	PLS050M11V	PSS050M11V	PLS050M01V	PSS050M01V
750	PLS075M11V	PSS075M11V	PLS075M01V	PSS075M01V
1 000H ⁽¹⁾	PLS100M11HV	PSS100M11HV	PLS100M01HV	PSS100M01HV
1 000B ⁽¹⁾	PLS100M11BV	PSS100M11BV	PLS100M01BV	PSS100M01BV
1 500H ⁽¹⁾	PLS150M11HV	PSS150M11HV	PLS150M01HV	PSS150M01HV
1 500B ⁽¹⁾	PLS150M11BV	PSS150M11BV	PLS150M01BV	PSS150M01BV
2 000H ⁽¹⁾	PLS200M11HV	PSS200M11HV	PLS200M01HV	PSS200M01HV
2 000B ⁽¹⁾	PLS200M11BV	PSS200M11BV	PLS200M01BV	PSS200M01BV
2 500	PLS250M11V	PSS250M11V	PLS250M01V	PSS250M01V
3 000	PLS300M11V	PSS300M11V	PLS300M01V	PSS300M01V

Solar and primary back-up heaters versions :

Capacity (Litres)	Reference with 100 mm-M1 jacket		Reference with 100 mm-M0 jacket	
	85°C tank	95°C tank	85°C tank	95°C tank
500	PLM050M11V	PSM050M11V	PLM050M01V	PSM050M01V
750	PLM075M11V	PSM075M11V	PLM075M01V	PSM075M01V
1 000H ⁽¹⁾	PLM100M11HV	PSM100M11HV	PLM100M01HV	PSM100M01HV
1 000B ⁽¹⁾	PLM100M11BV	PSM100M11BV	PLM100M01BV	PSM100M01BV
1 500H ⁽¹⁾	PLM150M11HV	PSM150M11HV	PLM150M01HV	PSM150M01HV
1 500B ⁽¹⁾	PLM150M11BV	PSM150M11BV	PLM150M01BV	PSM150M01BV
2 000H ⁽¹⁾	PLM200M11HV	PSM200M11HV	PLM200M01HV	PSM200M01HV
2 000B ⁽¹⁾	PLM200M11BV	PSM200M11BV	PLM200M01BV	PSM200M01BV
2 500	PLM250M11V	PSM250M11V	PLM250M01V	PSM250M01V
3 000	PLM300M11V	PSM300M11V	PLM300M01V	PSM300M01V

⁽¹⁾Note : H = High version ; B = Low version.

OPTIONS

Reference	Description
KA1S	Accessories kit - DN25 safety valve calibrated at 7-bar - Brass dial thermometer 0/120 C deg - DN50 drainage valve - Air vent valve

Integrated loop heater (ILH kits for DHW cylinders)

- Additional immersion heater located in the top section of the tank (230/400 V tri-phase)
- Double unipolar safety thermostat.

Reference	Immersion heater power (kW)	Minimum diameter of tank (mm)
RBI3	3	550
RBI4	4,5	550
RBI6	6	550
RBI9	9	650
RBI12	12	800

Note : Integrated loop heater is not pre-assembled on tank.

