



Hot Water Boilers





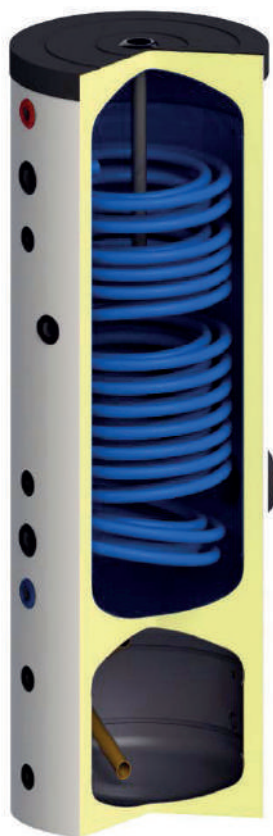
THE COMPANY

Thermics is a small-medium enterprise (SME) with dedicated engineering and production teams. The company's expertise includes both heat engineering and software. The key to our success is teamwork and the appreciation and passion for renewable energy. This makes us a flexible company that adopts the most advanced standards and technologies.





DUO - Hybrid tank (DHW + puffer)



Hybrid tanks for storage of domestic hot water (DHW) and puffer for heating water.

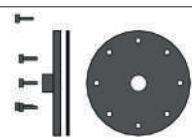


Main features

Material		Carbon steel
Maximum working pressure	DHW tank	10 bar (SV 6 bar)
Maximum working temperature	DHW tank	95°C
Maximum working pressure	Puffer tank	6 bar
Maximum working temperature	Puffer tank	95°C
Maximum working pressure	Heat exchangers	10 bar
Maximum working temperature	Heat exchangers	110°C
Internal treatment	DHW tank	DIN 4753 vitrification
Internal treatment	Puffer tank	Rough
Warranty	Tank	5 years

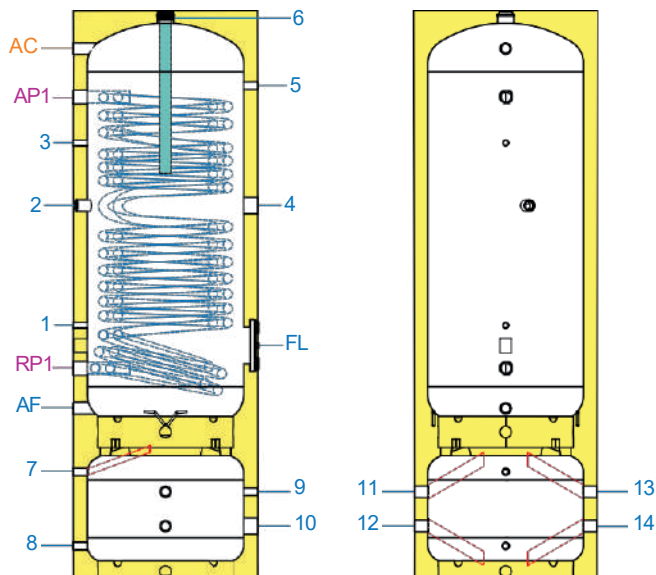
Model			Insulation	Cathodic protection	Class class	Dispersion	Tank lower	Heat Pump Heat exchanger		Heat Pump additional	Weight	
								R1	R2	R2	R1	R2
EU 812/2013						(W)	(J)	(m²)	(m²)	(m²)	(kg)	(kg)
DUO	200	R1	PU 50mm + PVC	Magnesium anode	B	69	100	2.8	-	-	123	-
DUO	300	R1/R2	PU 50mm + PVC	Magnesium anode	C	80	100	100	3.7	3.7	147	162
DUO	400	R1/R2	PU 50mm + PVC	Magnesium anode	C	87	100	4.7	4.0	1.5	170	180
DUO	500	R1/R2	PU 50mm + PVC	Magnesium anode	C	104	75	5.8	4.5	4.5	205	212

Accessories	Description
	Temperature gauge Complete with 1/2" thermowell
	Probe thermowell Threaded connection 1/2"

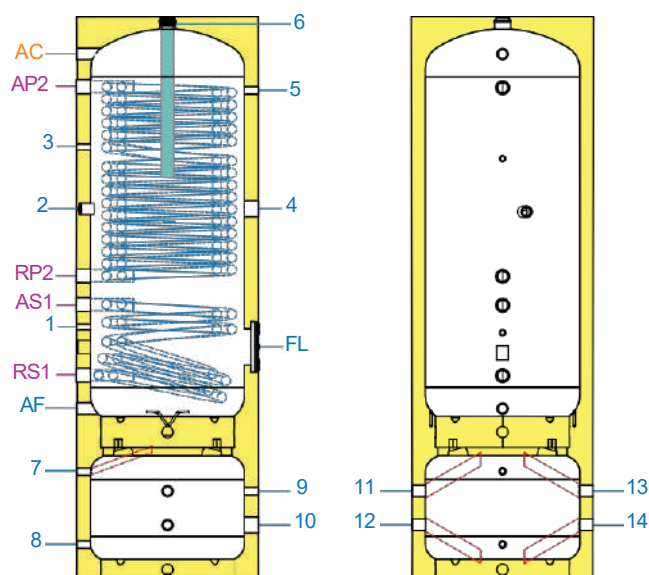
Accessories	Description
	Heating element Threaded connection 1 1/2"
	Plate kit with 1 1/2" sleeve Complete with Ø180 plate, seal, screws and washers

DUO 200 - 300 - 500

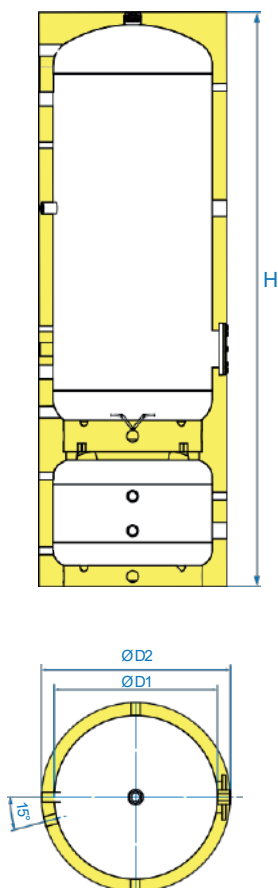
DUO 200-500 R1



DUO 300-500 R2



Dimensions



Ref.	Description	
1 - 3	Probe	Thermowell ø 20
2	Recirculation	1"
4	Heating element	1½"
5	Temperature gauge	½"
6	Magnesium anode	1½"
7	Vent	½"
8	Discharge	½"
11	Water connection	1"
12	Water connection	1"
13	Water connection	1"
14	Water connection	1"
FL	Inspection flange	ø180
RP1	Heat pump return	1¼"
AP1	Heat pump delivery	1¼"
RS1	Alternative source return	1¼"
AS1	Alternative source delivery	1¼"
AF	Cold water intake	1"
AC	DHW outlet	1"
Ø D1	Diameter without insulation	
Ø D2	Diameter with insulation	
R	Overturning	
H	Height with insulation	

Ref.	DUO 200	DUO 300	DUO 500
1	973	899	770
2	1338	1319	1290
3	1484	1539	1512
4	1271	1319	1182
5	1651	1739	1807
7	487	386	223
8	128	127	143
9-11-13	417	316	223
10-12-14	197	196	143
AF	707	609	460
AC	1754	1868	1950
RP1	828	749	620
AP1	1625	1699	1703
RP2	-	1094	1146
AP2	-	1750	1802
RS1	-	749	620
AS1	-	994	927
Ø D1	500	550	650
Ø D2	600	650	750
H	1890	1990	2080



HC - Hot/cold buffer tank



Storage tanks for heating and/or refrigerated water.



Main features

Material		Carbon steel
Internal treatment		Rough
Maximum working pressure		6 bar
Minimum working temperature	Refrigerant	6°C
Maximum working temperature	Heating	95°C
Warranty	Tank	5 years

Model	Use	Energy efficiency class	Dispersion	Nominal capacity	Weight
		EU 812/2013	(W)	(l)	(kg)
HC 25	PU 50mm + PVC	B	31	25	10
HC 50	PU 50mm + PVC	C	45	50	16

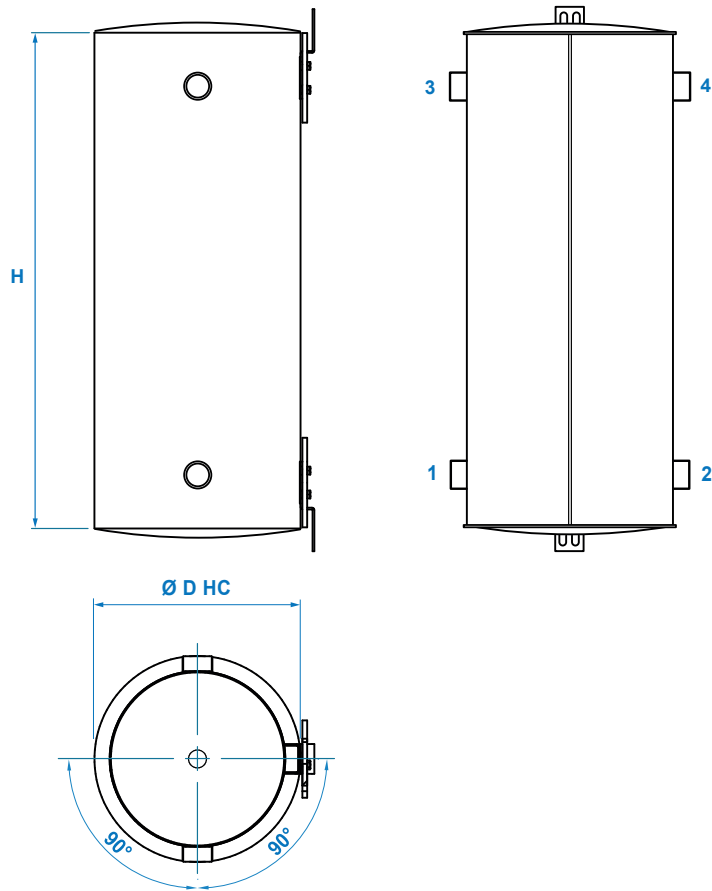
Accessories	Description
	Temperature gauge Complete with ½" thermowell
	Probe thermowell Threaded connection ½"

Accessories	Description
	Heating element Threaded connection 1½"
	Connection kit Threaded connection 1½"

Accessories (only for HC 100 model)

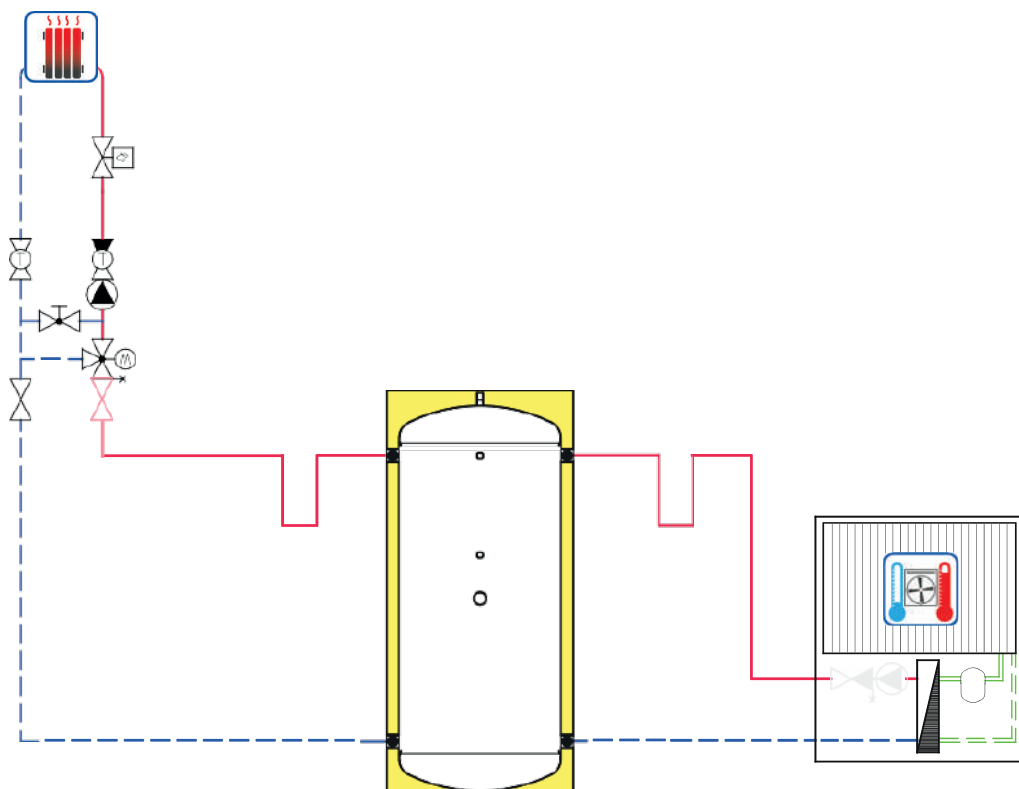
	Wall mounting bracket kit Brackets, bolts and washers included
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HC 25 - 50



Ref.	Description	
1	Water connection	See table
2	Water connection	See table
3	Water connection	See table
4	Water connection	See table

Ref.	HC 25	HC 50
1-2	90	90
3-4	540	740
$\varnothing D_{HC}$	300	350
H	630	830
HC	1¼"	1¼"





HC - Hot/cold buffer tank



Storage tanks for heating and/or refrigerated water.



Main features

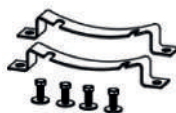
Material		Carbon steel
Internal treatment		Rough
Maximum working pressure		6 bar
Minimum working temperature	Refrigerant	6°C
Maximum working temperature	Heating	95°C
Warranty	Tank	5 years

Model	Use	Energy efficiency class	Dispersion	Nominal capacity	Weight
		EU 812/2013	(W)	(l)	(kg)
HC 100	PU 50mm + PVC	B	41	107	27
HC 200	PU 50mm + PVC	B	61	205	47
HC 300	PU 50mm + PVC	B	68	290	55
HC 400	PU 50mm + PVC	C	78	405	65
HC 500	PU 50mm + PVC	C	92	490	70

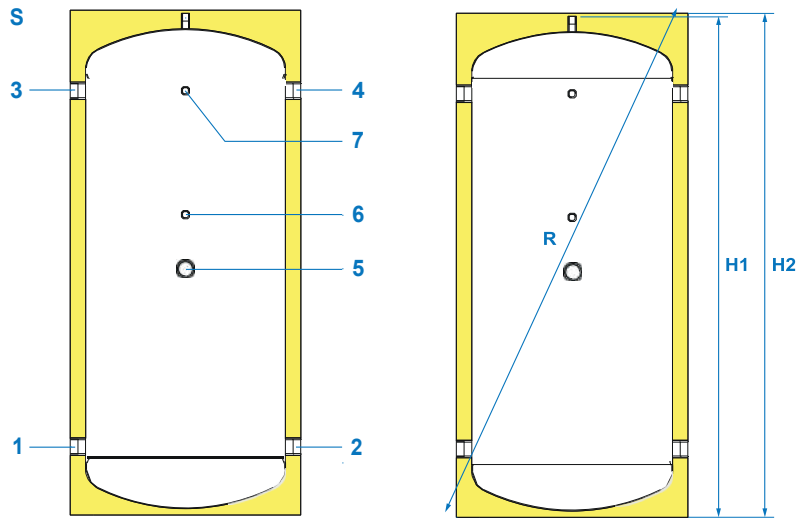
Accessories	Description
	Temperature gauge Complete with ½" thermowell
	Probe thermowell Threaded connection ½"

Accessories	Description
	Heating element Threaded connection 1½"
	Connection kit Threaded connection 1½"

Accessories (only for HC 100 model)

	Wall mounting bracket kit Brackets, bolts and washers included
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HC 100 - 200 - 300 - 400 - 500



Ref.	Description	
1	Water connection	1½"
2	Water connection	1½"
3	Water connection	1½"
4	Water connection	1½"
5	Heating element	1½"
6	Probe	½"
7	Temperature gauge	½"
S	Vent or safety valve	½"

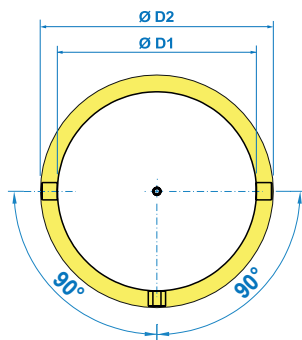
Ø D1 Diameter without insulation

Ø D2 Diameter with insulation

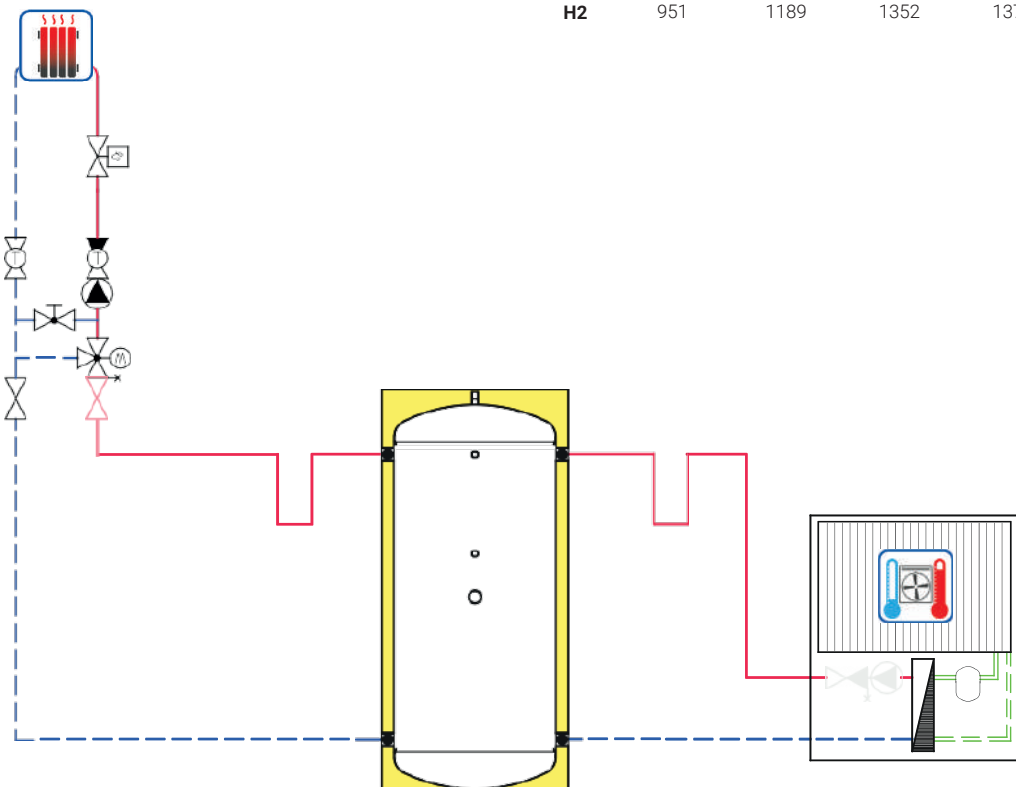
R Overturning

H1 Height without insulation

H2 Height with insulation



Ref.	HC 100	HC 200	HC 300	HC 400	HC 500
1-5	190	210	210	221	221
3-4	740	960	1110	1121	1371
5	465	585	660	671	796
6	560	715	810	821	971
7	740	960	1110	1121	1371
Ø D1	400	500	550	650	650
Ø D2	500	600	650	750	750
R	1074	1332	1500	1563	1795
H1	924	1184	1344	1370	1620
H2	951	1189	1352	1371	1631





HP - DHW tank for heat pump



Domestic hot water (DHW) storage tanks with high-efficiency exchanger.



Main features

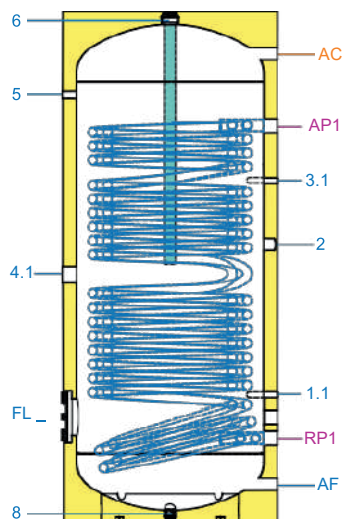
Material		Carbon steel
External treatment	750-1000	anti-rust paint
Maximum working pressure	Tank	6 bar
Maximum working temperature	Tank	95°C
Maximum working pressure	Heat exchangers	10 bar
Maximum working temperature	Heat exchangers	110°C
Internal treatment	Tank	DIN 4753 vitrification
Warranty	Tank	5 years

Model			Insulation	Cathodic protection	Class class	Dispersion	Tank lower	Heat Pump Heat exchanger		Heat Pump additional	Weight	
								R1	R2	R2	R1	R2
EU 812/2013						(W)	(J)	(m²)	(m²)	(m²)	(kg)	(kg)
HP	200	R1	PU 50mm + PVC	Magnesium anode	B	63	2.8	-	-	-	110	-
HP	300	R1/R2	PU 50mm + PVC	Magnesium anode	B	70	3.7	1.0	3.7	1.0	135	150
HP	400	R1/R2	PU 50mm + PVC	Magnesium anode	C	79	4.7	1.5	4.0	1.5	165	180
HP	500	R1/R2	PU 50mm + PVC	Magnesium anode	C	94	5.8	1.7	4.5	1.7	198	205
HP	750	R1/R2	Polyester 100mm + PVC	Electronic anode (single)	C	127	7.0	2.4	4.3	2.4	305	317
HP	1000	R1/R2	Polyester 100mm + PVC	Electronic anode (double)	C	142	8.5	2.9	5.0	2.9	340	360

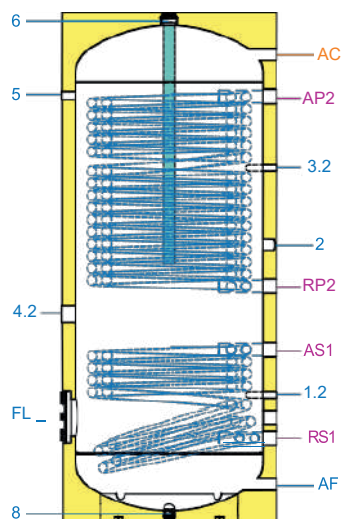
Accessories	Description
	Temperature gauge Complete with ½" thermowell
	Probe thermowell Threaded connection ½"
	Heating element Threaded connection 1½"
	Foot kit (for adjustment) M10 threaded connection Height 50 mm

Accessories	Description
	Foot kit (for lower drain) M10 threaded connection Height 125 mm
	Plate kit with 1½" sleeve Complete with Ø180 plate, seal, screws and washers
	Electronic anode Threaded connection 1½"

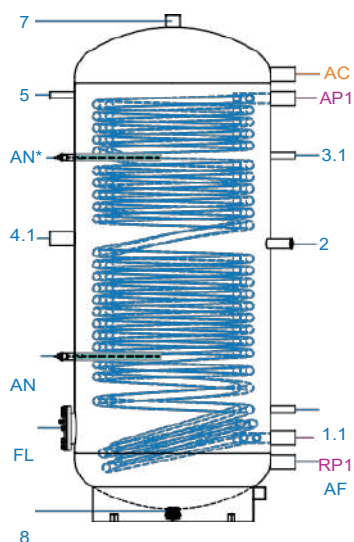
HP 200-500 R1



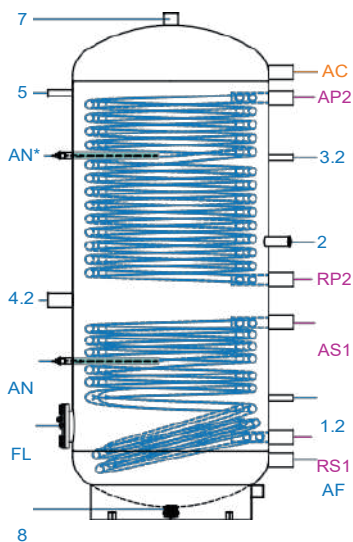
HP 300-500 R2



HP 750-1000 R1



HP 750-1000 R2



Ref.	Description	Description	
1.1 1.2 3.1 3.2	Probe	200-500 750-1000	Thermowell ø 20½"
2		Recirculation	1"
4.1 4.2		Heating element	1½"
5		Temperature gauge	½"
6	Magnesium anode		1½"
7	Free-vent		1½"
8	Discharge	200-500 750-1000	¾" 1½"
FL	Inspection flange		ø180
AN AN*	Electronic anode		½"
RP1 RP2	Heat pump return	200-500 750-1000	1¼" 1½"
RS1	Alternative source return	200-500 750-1000	1¼" 1½"
AS1	Alternative source delivery	200-500 750-1000	1¼" 1½"
AF	Cold water intake	200-500 750-1000	1" 1½"
AC	DHW outlet	200-500 750-1000	1" 1½"

Ø D1 Diameter without insulation

Ø D2 Diameter with insulation

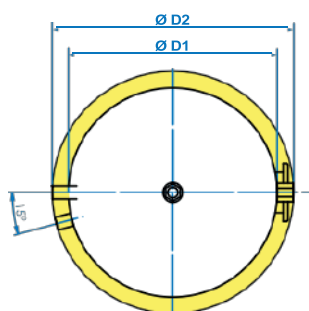
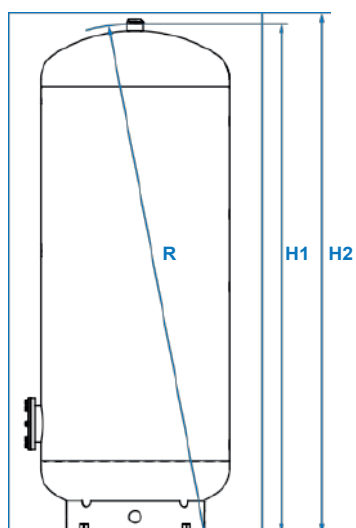
R Overturning

H1 Height without insulation

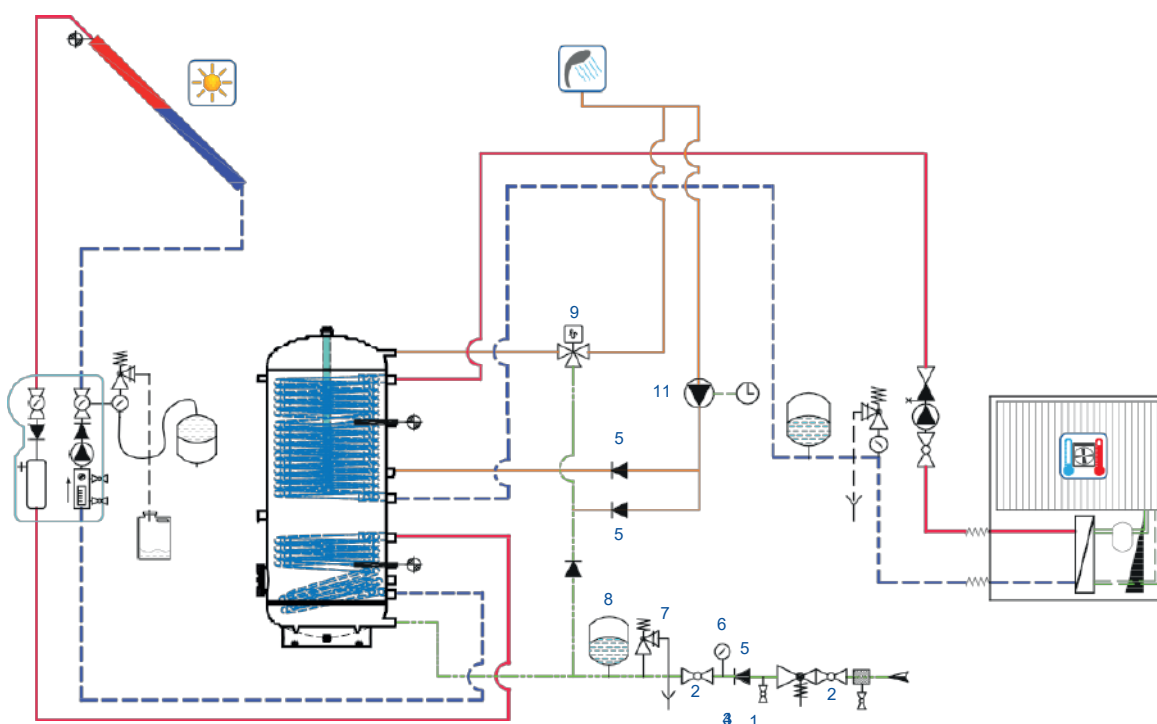
H2 Height with insulation

AN* only on model HP 1000 R2

Dimensions



Ref.	HP 200	HP 300	HP 400	HP 500	HP 750	HP 1000
1.1	398	428	453	453	489	489
1.2	398	428	453	453	498	498
2	763	848	833	973	1106	1132
3.1	909	1068	1043	1195	1450	1490
3.2	-	1032	974	1239	1470	1476
4.1	696	848	733	865	1106	1152
4.2	-	573	629	733	886	892
5	1076	1268	1225	1490	1730	1736
FL	323	358	376	376	374	380
AF	132	138	143	143	237	243
AC	1178	1397	1367	1632	1815	1820
RP1	253	278	303	303	336	342
AP1	1050	1228	1183	1386	1716	1722
RP2	-	623	690	829	976	982
AP2	-	1279	1220	1485	1716	1722
RS1	-	278	303	303	336	342
AS1	-	523	568	610	763	802
Ø D1	500	550	650	650	750	790
Ø D2	600	650	750	750	950	990
R	1457	1664	1688	1929	2085	2090
H1	1307	1511	1491	1756	2055	2055
H2	1328	1532	1512	1777	2090	2090



SOLAR - DHW tank



Domestic hot water (DHW) storage tanks with high-efficiency exchanger.



Main features

Material		Carbon steel
External treatment	750-1000	anti-rust paint
Maximum working pressure	Tank	6 bar
Maximum working temperature	Tank	95°C
Maximum working pressure	Heat exchangers	10 bar
Maximum working temperature	Heat exchangers	110°C
Internal treatment	Tank	DIN 4753 vitrification
Warranty	Tank	5 years

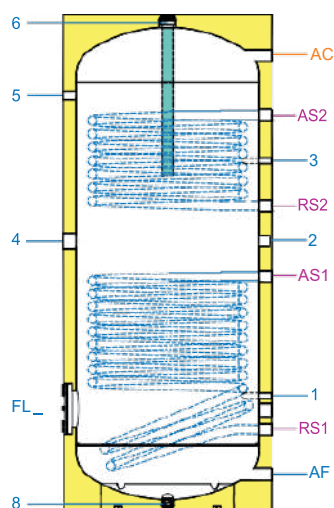
Model		Insulation	Cathodic protection	Class class	Dispersion	Lower heat exchanger	Upper heat exchanger	Weight
EU 812/2013					(W)	(m²)	(m²)	(kg)
SOLAR	200	PU 50mm + PVC	Magnesium anode	B	63	1.0	0.6	90
SOLAR	300	PU 50mm + PVC	Magnesium anode	B	70	1.4	1.0	124
SOLAR	400	PU 50mm + PVC	Magnesium anode	C	79	1.5	1.0	146
SOLAR	500	PU 50mm + PVC	Magnesium anode	C	96	1.8	1.2	160
SOLAR	750	Polyester 100mm + PVC	Electronic anode (single)	C	127	2.4	1.8	247
SOLAR	1000	Polyester 100mm + PVC	Electronic anode (single)	C	142	3.0	2.4	272
SOLAR	1500	Polyester 100mm + PVC	Electronic anode (double)	D	171	3.6	3.0	390
SOLAR	2000	Polyester 100mm + PVC	Electronic anode (double)	D	204	4.2	3.0	455

Accessories	Description
	Temperature gauge Complete with ½" thermowell
	Probe thermowell Threaded connection ½"
	Heating element Threaded connection 1½"
	Foot kit (for adjustment) M10 threaded connection Height 50 mm

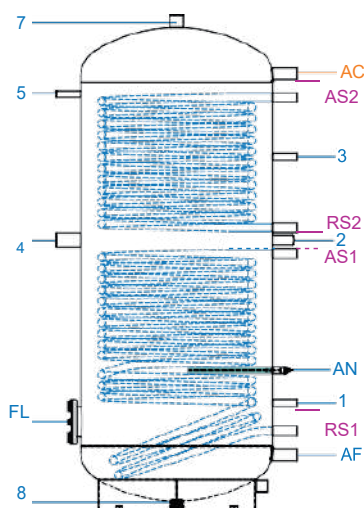
Accessories	Description
	Foot kit (for lower drain) M10 threaded connection Height 125 mm
	Plate kit with 1½" sleeve Complete with Ø180 plate, seal, screws and washers
	Electronic anode Threaded connection 1½"



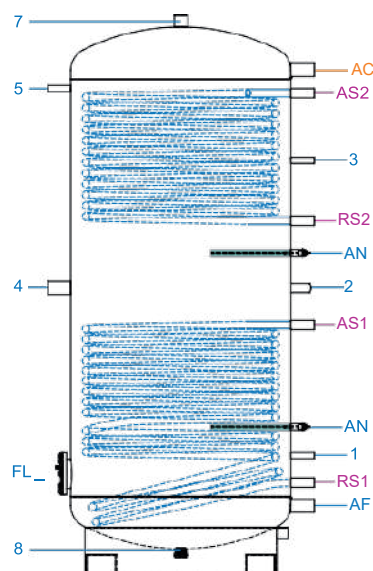
SOLAR 150-500



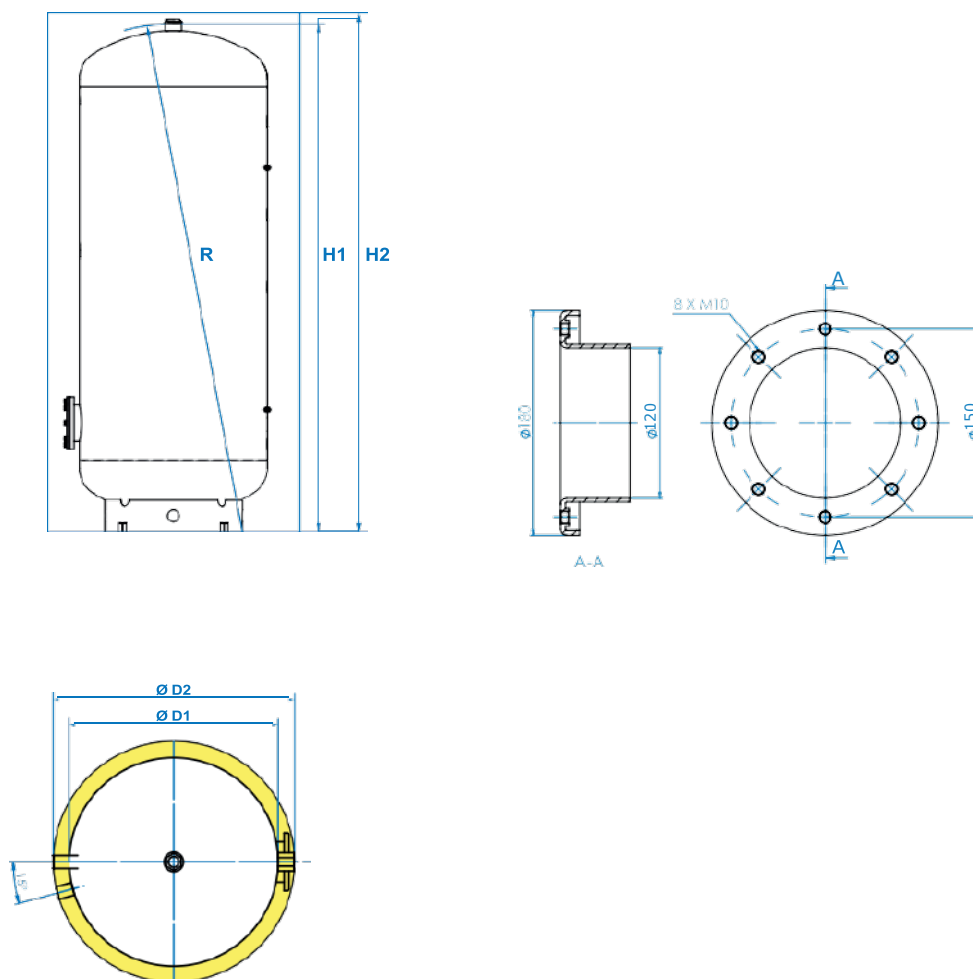
SOLAR 750-1000



SOLAR 1500-2000



Ref.	Description	Description	
1 3	Probe	200-500 750-2000	Thermowell $\varnothing$ 20½"
2	Recirculation		1"
4.1 4.2	Heating element		1½"
5	Temperature gauge		½"
6	Magnesium anode		1½"
7	Free-vent		1½"
8	Discharge	200-500 750-2000	¾" 1½"
FL	Inspection flange		$\varnothing$ 180
AN	Electronic anode		½"
RS1 RS2	Solar return		1"
AS1 AS2	Solar delivery		1"
AF	Cold water intake	200-500 750-1000 1500-2000	1" 1¼" 1½"
AC	DHW outlet	200-500 750-1000 1500-2000	1" 1¼" 1½"
Ø D1	Diameter without insulation		
Ø D2	Diameter with insulation		
R	Overturning		
H1	Height without insulation		
H2	Height with insulation		



Ref.	SOLAR 200	SOLAR 300	SOLAR 400	SOLAR 500	SOLAR 750	SOLAR 1000	SOLAR 1500	SOLAR 2000
1	378	392	423	423	452	458	526	541
2	763	848	833	973	1106	1123	1250	1335
3	931	1062	1023	1259	1470	1476	1800	1815
4	756	848	833	973	1106	1132	1250	1335
5	1076	1268	1225	1490	1730	1736	2110	2125
FL	323	358	376	376	374	380	448	463
AF	132	138	143	143	237	243	310	325
AC	1177	1398	1368	1633	1815	1820	2190	2205
RS1	253	278	303	303	336	342	410	425
AS1	703	798	763	848	941	1077	1090	1205
RS2	810	898	903	1098	1266	1182	1540	1555
AS2	1050	1228	1183	1420	1716	1722	2090	2105
Ø D1	500	550	650	650	750	790	950	1100
Ø D2	600	650	750	750	950	990	1150	1300
R	1460	1670	1680	1930	2085	2090	2465	2530
H1	1307	1511	1491	1756	2055	2060	2425	2475
H2	1328	1532	1502	1777	2090	2090	2475	2524

