

2022

CATALOGUE

RENEWABLE ENERGIES



JOTOCLAVE

INDÚSTRIA METALÚRGICA, LDA.

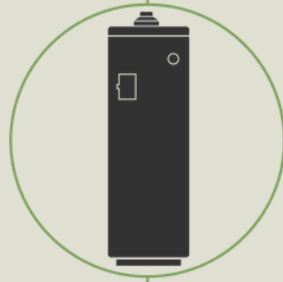
REGISTERED BRAND



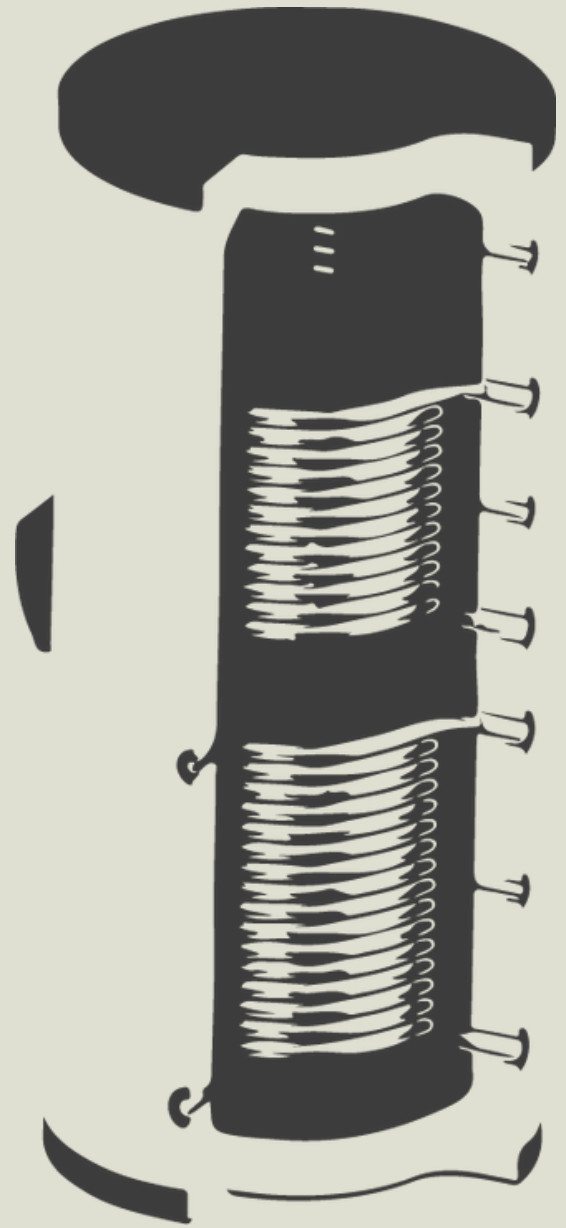
RENEWABLE ENERGIES
ENERGIAS RENOVÁVEIS
ENERGIAS RENOVABLES



THERMAL ACCUMULATORS
TERMOACUMULADORES
TERMOACUMULADORES



WATER TANKS
DEPÓSITOS DE ÁGUA
DEPÓSITOS DE AGUA



02. RENEWABLE ENERGIES

1.0 Thermal accumulator without coil

1.1 Thermal accumulator with one coil

1.2 Thermal accumulator with two coils

1.3 Electric

1.4 Higienic

1.5 Inertia

1.6 Drainback

1.7 Termosyphon

02. EXAMPLES



Inertia tank 100Lts lateral view



Inertia tank front view



one coil tank lateral view

one coil tank front view



1.0 NO COIL WATER ACCUMULATOR
ACUMULADOR SEM SERPENTINA
ACUMULADOR SEN SERPENTINA

RAL 7016

RAL 9010



Details and outlets

Finish in Nappa Fabric



1.0 TECHNICAL CHARACTERISTICS

CARACTERÍSTICAS TÉCNICAS GERAIS

CARACTERISTICAS GENERALES

CAP.	80	100	120	150	200	250	300	300	400	500	600	800	1000	1500	2000	2500	3000	4000	5000
ØC.int (mm)	400	400	400	400	480	480	480	545	570	635	690	810	910	910	1100	1250	1350	1550	1740
ØC.ext (mm)	480	480	480	480	600	600	600	670	670	800	860	960	1100	1100	1300	1450	1550	1750	1940
HT. (mm)	900	1000	1180	1340	1290	1570	1790	1500	1790	1800	1830	1910	2100	2480	2630	2580	2650	2900	3000
Insulation	50	50	50	60	60	60	60	60	60	80	80	80	100	100	100	100	100	100	100
Manhole	-	-	-	-	-	-	-	-	-	150Ø	150Ø	150Ø	150Ø	150Ø	300Ø	300Ø	300Ø	400Ø	400Ø

CAP. CAPACITY | CAPACIDADE | CAPACIDAD

ØC.int INTERIOR DIAMETER | DIÂMETRO INTERIOR | DIÂMETRO INTERIOR

ØC.ext EXTERIOR DIAMETER | DIÂMETRO EXTERIOR | DIÂMETRO EXTERIOR

HT. TOTAL HEIGHT | ALTURA TOTAL | ALTURA TOTAL

Any alteration on request

special measuments or special sizes on request

special heat exchanger coil sizes on request

exterior lining can be modified

POSITIONS

Vertical ground (VG)

Vertical wall (VW)

Horizontal ground (HG)

Horizontal wall (HW)

STEEL

444

316

Characteristics

- National manufacture
- Certified product (CE)
- Available in stainless steel or carbon steel
- From 80 to 5000lts
- Electrical support with bicapillary safety thermostat
- Single-phase or triphasic
- Standard or by measurement manufacture
- Easy installation
- Every tank has a magnesium anode, (eletronic anode on request)
- Tanks from 500lts up have sewer outlet pipe
- Insulation of high density injected polyurethane
- Outside lining in nappa fabric with sponge

1.1 ONE COIL WATER ACCUMULATOR
ACUMULADOR COM UMA SERPENTINA
ACUMULADOR CON SERPENTINA

RAL 7016

RAL 9010



Details and outlets



Finish in Nappa Fabric

1.1 TECHNICAL CHARACTERISTICS

CARACTERÍSTICAS TÉCNICAS GERAIS

CARACTERISTICAS GENERALES

CAP.	ØC. int (mm)	ØC. ext (mm)	HT. (mm)	Insulation (mm)	Manhole (mm)	Noise (db(A))	CO2 Emissions	Energy efficiency	Power loss	Working pressure	Test pressure	Coil exchanger 1 m2	Exchanger max. pressure	Boiler max. °c	Solar max. °c	Electrical support (w)	Cannon (")
80	400	480	900	50	-	0	-	B	39	0,6/6	1,2/12	0,38	0,8/8	110°C	120°C	1500	1 1/4"
100	400	480	1000	50	-	0	-	B	40	0,6/6	1,2/12	0,76	0,8/8	110°C	120°C	1500	1 1/4"
120	400	480	1180	50	-	0	-	B	42	0,6/6	1,2/12	0,76	0,8/8	110°C	120°C	1500	1 1/4"
150	400	480	1340	60	-	0	-	B	44	0,6/6	1,2/12	0,76	0,8/8	110°C	120°C	1500	1 1/4"
200	480	600	1290	60	-	0	-	B	48	0,6/6	1,2/12	0,94	0,8/8	110°C	120°C	1500	1 1/4"
250	480	600	1570	60	-	0	-	B	51	0,6/6	1,2/12	1,18	0,8/8	110°C	120°C	1500	1 1/4"
300	480	600	1790	60	-	0	-	B	55	0,6/6	1,2/12	1,413	0,8/8	110°C	120°C	1500	1 1/4"
300	545	670	1500	60	-	0	-	B	55	0,6/6	1,2/12	1,413	0,8/8	110°C	120°C	1500	1 1/4"
400	570	670	1790	60	-	0	-	C	92	0,6/6	1,2/12	1,413	0,8/8	110°C	120°C	1500	1 1/4"
500	635	800	1800	80	150	0	-	C	101	0,6/6	1,2/12	1,82	0,8/8	110°C	120°C	3000	1 1/4"
600	690	860	1830	80	150	0	-	C	105	0,6/6	1,2/12	2,26	0,8/8	110°C	120°C	3000	1 1/4"
800	810	960	1910	80	150	0	-	C	130	0,6/6	1,2/12	2,83	0,8/8	110°C	120°C	4500	1 1/2"
1000	910	1100	2100	100	150	0	-	C	149	0,6/6	1,2/12	2,83	0,8/8	110°C	120°C	4500	1 1/2"
1500	910	1100	2480	100	150	0	-	C	196	0,6/6	1,2/12	3,1	0,8/8	110°C	120°C	6000	1 1/2"
2000	1100	1300	2630	100	300	0	-	C	244	0,6/6	1,2/12	3,8	0,8/8	110°C	120°C	6000	1 1/2"
2500	1250	1450	2580	100	300	0	-	C	291	0,6/6	1,2/12	4,8	0,8/8	110°C	120°C	6000	1 1/2"
3000	1350	1550	2650	100	300	0	-	C	339	0,6/6	1,2/12	5,7	0,8/8	110°C	120°C	6000	1 1/2"
4000	1550	1750	2900	100	400	0	-	C	434	0,6/6	1,2/12	6,8	0,8/8	110°C	120°C	9000	1 1/2"
5000	1740	1940	3000	100	400	0	-	C	529	0,6/6	1,2/12	7,9	0,8/8	110°C	120°C	9000	1 1/2"

CAP. CAPACITY | CAPACIDADE | CAPACIDAD

ØC.int INTERIOR DIAMETER | DIÂMETRO INTERIOR | DIÂMETRO INTERIOR

ØC.ext EXTERIOR DIAMETER | DIÂMETRO EXTERIOR | DIÂMETRO EXTERIOR

HT. TOTAL HEIGHT | ALTURA TOTAL | ALTURA TOTAL

Any alteration on request

special measuments or special sizes on request

special heat exchanger coil sizes on request

exterior lining can be modified

POSITIONS

Vertical ground (VG)

Vertical wall (VW)

Horizontal ground (HG)

Horizontal wall (HW)

STEEL

444

316

Characteristics

- National manufacture
- Certified product (CE)
- Available in stainless steel or carbon steel
- From 60 to 5000lts
- Electrical support with bicapillary safety thermostat
- Single-phase or triphasic
- Standard or by measurement manufacture
- Easy installation
- Every tank has a magnesium anode, (eletronic anode on request)
- Tanks from 500lts up have sewer outlet pipe
- Insulation of high density injected polyurethane
- Outside lining in nappa fabric with sponge

The coiled accumulator consists of a reservoir intended for the preparation and accumulation of domestic hot water, that can be connected to different types of heat sources.

The Insulated stainless steel tank, which provides high mechanical resistance, also has high-pressure injected polyurethane insulation, which means that the heat losses are minimal.

Heating is promoted by an internal exchanger, consisting of a tubular coil that is located inside the tank and whose water inside is heated through the heat source.

In this equipment there is also the possibility of working with an electrical resistance, as a support in heating.

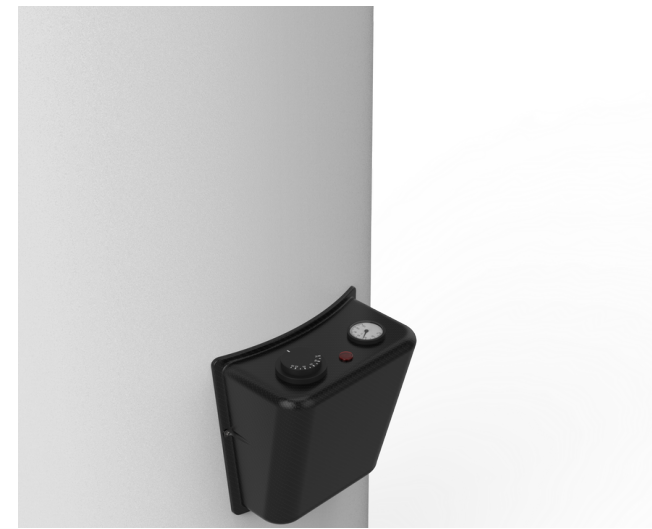
1.2 TWO COIL ACUMULATOR
ACUMULADOR COM DUAS SERPENTINAS
ACUMULADOR CON DOS SERPENTINAS

RAL 7016

RAL 9010



Details and outlets



Finish in Nappa Fabric

1.2 TECHNICAL CHARACTERISTICS

CARACTERÍSTICAS TÉCNICAS GERAIS

CARACTERISTICAS GENERALES

CAP.	ØC.int (mm)	ØC.ext (mm)	HT. (mm)	Insulation (mm)	Manhole (mm)	Noise (db(A))	Emissions CO2	Energy efficiency	Power loss	Working pressure	Test pressure	Coil exchanger 1 m2	Coil exchanger 2 m2	Exchanger max. pressure	Boiler max. °c	Solar max. °c	Electrical support (w)	Cannon (")
80	400	480	900	50	-	0	-	B	39	0,6/6	1,2/12	0,38	-	0,8/8	110°C	120°C	1500	1 1/4"
100	400	480	1000	50	-	0	-	B	40	0,6/6	1,2/12	0,76	0,37	0,8/8	110°C	120°C	1500	1 1/4"
120	400	480	1180	50	-	0	-	B	42	0,6/6	1,2/12	0,76	0,37	0,8/8	110°C	120°C	1500	1 1/4"
150	400	480	1340	60	-	0	-	B	44	0,6/6	1,2/12	0,76	0,37	0,8/8	110°C	120°C	1500	1 1/4"
200	480	600	1290	60	-	0	-	B	48	0,6/6	1,2/12	0,94	0,68	0,8/8	110°C	120°C	1500	1 1/4"
250	480	600	1570	60	-	0	-	B	51	0,6/6	1,2/12	1,18	0,71	0,8/8	110°C	120°C	1500	1 1/4"
300	480	600	1790	60	-	0	-	B	55	0,6/6	1,2/12	1,413	0,95	0,8/8	110°C	120°C	1500	1 1/4"
300	545	670	1500	60	-	0	-	B	55	0,6/6	1,2/12	1,413	0,95	0,8/8	110°C	120°C	1500	1 1/4"
400	570	670	1790	60	-	0	-	C	92	0,6/6	1,2/12	1,413	0,95	0,8/8	110°C	120°C	1500	1 1/4"
500	635	800	1800	80	150	0	-	C	101	0,6/6	1,2/12	1,82	1,35	0,8/8	110°C	120°C	3000	1 1/4"
600	690	860	1830	80	150	0	-	C	105	0,6/6	1,2/12	2,26	1,69	0,8/8	110°C	120°C	3000	1 1/4"
800	810	960	1910	80	150	0	-	C	130	0,6/6	1,2/12	2,83	1,88	0,8/8	110°C	120°C	4500	1 1/2"
1000	910	1100	2100	100	150	0	-	C	149	0,6/6	1,2/12	2,83	1,88	0,8/8	110°C	120°C	4500	1 1/2"
1500	910	1100	2480	100	150	0	-	C	196	0,6/6	1,2/12	3,1	1,90	0,8/8	110°C	120°C	6000	1 1/2"
2000	1100	1300	2630	100	300	0	-	C	244	0,6/6	1,2/12	3,8	2,53	0,8/8	110°C	120°C	6000	1 1/2"
2500	1250	1450	2580	100	300	0	-	C	291	0,6/6	1,2/12	4,8	3,17	0,8/8	110°C	120°C	6000	1 1/2"
3000	1350	1550	2650	100	300	0	-	C	339	0,6/6	1,2/12	5,7	4,5	0,8/8	110°C	120°C	6000	1 1/2"
4000	1550	1750	2900	100	400	0	-	C	434	0,6/6	1,2/12	6,8	5,5	0,8/8	110°C	120°C	9000	1 1/2"
5000	1740	1940	3000	100	400	0	-	C	529	0,6/6	1,2/12	7,9	6,8	0,8/8	110°C	120°C	9000	1 1/2"

CAP. CAPACITY | CAPACIDADE | CAPACIDAD

ØC.int INTERIOR DIAMETER | DIÂMETRO INTERIOR | DIÂMETRO INTERIOR

ØC.ext EXTERIOR DIAMETER | DIÂMETRO EXTERIOR | DIÂMETRO EXTERIOR

HT. TOTAL HEIGHT | ALTURA TOTAL | ALTURA TOTAL

Any alteration on request

special measuments or special sizes on request

special heat exchanger coil sizes on request

exterior lining can be modified

POSITIONS

Vertical ground (VG)

Vertical wall (VW)

Horizontal ground (HG)

Horizontal wall (HW)

STEEL

444

316

Characteristics

- National manufacture
- Certified product (CE)
- Available in stainless steel or carbon steel
- From 80 to 5000lts
- Electrical support with bicapillary safety thermostat
- Single-phase or triphasic
- Standard or by measurement manufacture
- Easy installation
- Every tank has a magnesium anode, (eletronic anode on request)
- Tanks from 500lts up have sewer outlet pipe
- Insulation of high density injected polyurethane
- Outside lining in nappa fabric with sponge

The accumulator with two coils consists of a reservoir intended for the preparation and accumulation of sanitary hot water, that can be connected to different types of heat sources.

The Insulated stainless steel tank, which provides high mechanical resistance and also has a high-pressure injected polyurethane insulation, which means that the heat losses are minimal.

Heating is promoted by two or more internal exchangers, consisting of a tubular coil that is located inside the reservoir and whose water inside is heated through the heat source.

In this equipment there is also electrical support, with a complete kit, that includes a heating element to support the heating process.

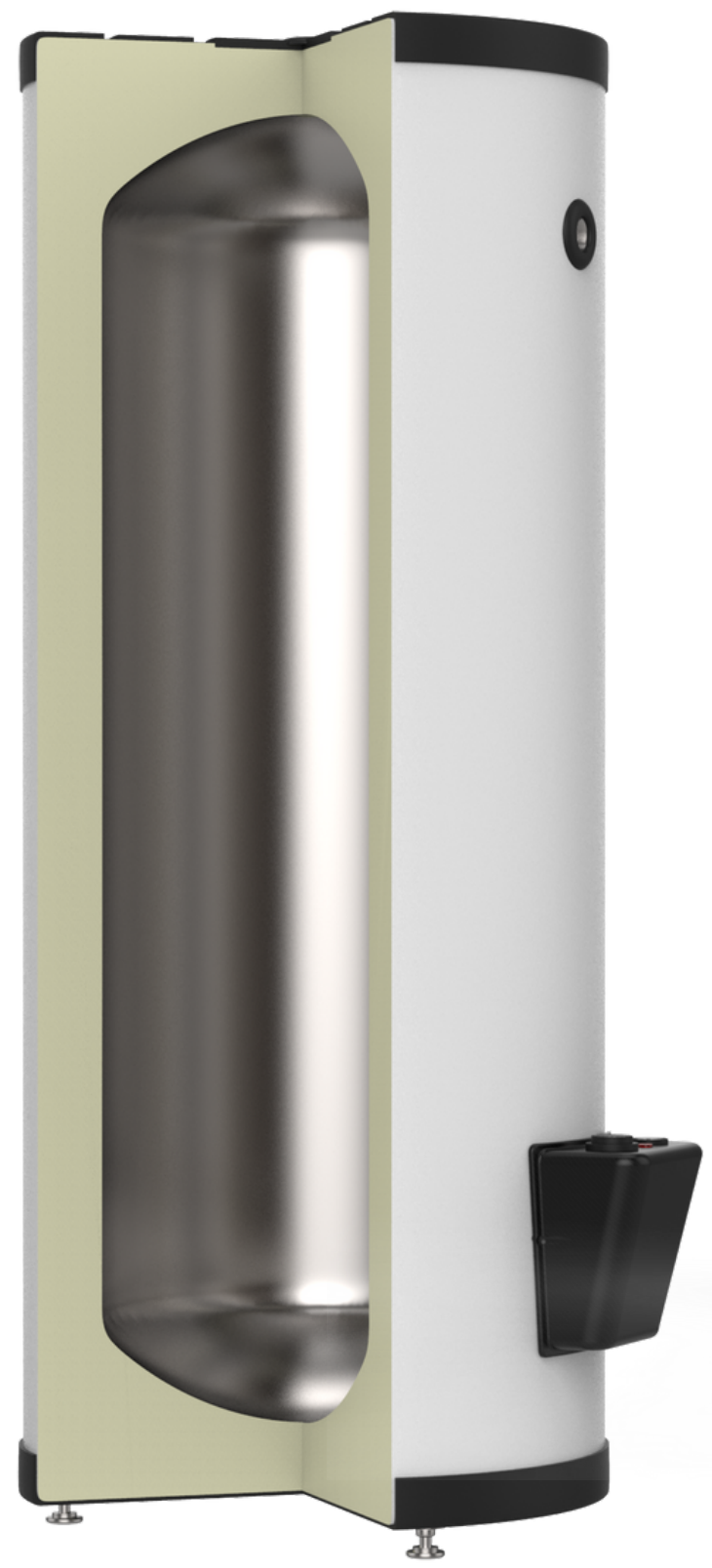
1.3 ELETRIC ACUMULATOR
ACUMULADOR ELÉTRICO
ACUMULADOR SEN SERPENTINA

RAL 7016

RAL 9010



Details and outlets



Finish in Nappa Fabric

1.3 TECHNICAL CHARACTERISTICS

CARACTERÍSTICAS TÉCNICAS GERAIS

CARACTERISTICAS GENERALES

CAP.	ØC.int (mm)	ØC.ext (mm)	HT. (mm)	Insulation (mm)	Manhole (mm)	Noise (db(A))	Emissions CO2	Energy efficiency	Rated voltage (v)	Nominal frequency (Hz)	Power (W)	Intensity of current (A)	Protection class	Working pressure	Test pressure	Working temp.	Safety temp.	Mixture water at 40°C	Load profile	Electricity consumption	Connections
60	400	480	900	50	-	0	-	C	230	50	1500	6,5	2	0,6/6	1,2/12	60	85±7	113	M	2123	3/4"
80	400	480	900	50	-	0	-	C	230	50	1500	6,5	2	0,6/6	1,2/12	60	85±7	164	M	2404	3/4"
100	400	480	1000	50	-	0	-	C	230	50	1500	6,5	2	0,6/6	1,2/12	60	85±7	197	L	2591	3/4"
120	400	480	1180	50	-	0	-	C	230	50	2000	8,7	2	0,6/6	1,2/12	60	85±7	231	L	2778	3/4"
150	400	480	1340	60	-	0	-	C	230	50	2500	10,9	2	0,6/6	1,2/12	60	85±7	282	L	3059	3/4"
200	480	600	1290	60	-	0	-	C	230	50	2500	10,9	2	0,6/6	1,2/12	60	85±7	366	L	3526	3/4"
250	480	600	1570	60	-	0	-	C	230	50	3000	13	2	0,6/6	1,2/12	60	85±7	450	L	3994	3/4"
300	480	600	1790	60	-	0	-	C	230/400	50	4500	19,6	2	0,6/6	1,2/12	60	85±7	534	XL	4462	3/4"
300	545	670	1500	60	-	0	-	C	230/400	50	4500	19,6	2	0,6/6	1,2/12	60	85±7	535	XL	5398	3/4"
400	570	670	1790	60	-	0	-	C	230/400	50	4500	21,7	2	0,6/6	1,2/12	60	85±7	702	XXL	6333	1 1/4"
500	635	800	1800	80	150	0	-	C	230/400	50	6000	26,1	2	0,6/6	1,2/12	60	85±7	871	XXL	7269	1 1/4"
600	690	860	1830	80	150	0	-	C	230/400	50	6000	26,1	2	0,6/6	1,2/12	60	85±7	1039	XXL	9140	1 1/4"
700	000	000	0000	80	150	0	-	C	230/400	50	6000	26,1	2	0,6/6	1,2/12	60	85±7	1159	XXL	11011	1 1/4"
800	810	960	1910	80	150	0	-	C	400	50	9000	-	2	0,6/6	1,2/12	60	85±7	1376	XXL		1 1/4"
1000	910	1100	2100	100	150	0	-	C	400	50	12000	-	2	0,6/6	1,2/12	60	85±7	1712	3XL		1 1/4"
1500	910	1100	2480	100	150	0	-	C	400	50	12000	-	2	0,6/6	1,2/12	60	85±7	1934	3XL		1 1/4"

CAP. CAPACITY | CAPACIDADE | CAPACIDAD

ØC.int INTERIOR DIAMETER | DIÂMETRO INTERIOR | DIÂMETRO INTERIOR

ØC.ext EXTERIOR DIAMETER | DIÂMETRO EXTERIOR | DIÂMETRO EXTERIOR

HT. TOTAL HEIGHT | ALTURA TOTAL | ALTURA TOTAL

Any alteration on request

special measuments or special sizes on request

special heat exchanger coil sizes on request

exterior lining can be modified

POSITIONS

Vertical ground (VG)

Vertical wall (VW)

Horizontal ground (HG)

Horizontal wall (HW)

STEEL

444

316

Characteristics

- National manufacture
- Certified product (CE)
- Available in stainless steel or carbon steel
- From 80 to 1500lts
- Electrical support with bicapillary safety thermostat
- Single-phase or triphasic
- Standard or by measurement manufacture
- Easy installation
- Every tank has a magnesium anode, (eletronic anode on request)
- Tanks from 500lts up have sewer outlet pipe
- Insulation of high density injected polyurethane
- Outside lining in nappa fabric with sponge

The electric water heater consists of a tank to store water, an heating element that heats the water, a magnesium anode inside to protect the tank from corrosion and a thermostat with a safety device that prevents overheating.

The main purpose of the equipment is to obtain hot water for domestic use.

The body is made of stainless steel, which gives it high mechanical resistance, which is suitable for the use in question. It also has a high density injected polyurethane insulation, containing any heat losses, thus increasing the energy efficiency of the equipment.

1.4 HIGIENIC COMBINED ACUMULATOR
ACUMULADOR HIGIÉNICO
ACUMULADOR HIGIENICO

RAL 7016

RAL 9010



Details and outlets

Finish in Nappa Fabric



1.4 TECHNICAL CHARACTERISTICS

CARACTERÍSTICAS TÉCNICAS GERAIS

CARACTERISTICAS GENERALES

CAP.	ØC. int (mm)	ØC. ext (mm)	HT. (mm)	Insulation (mm)	Water capacity / HSW pipe	solar exchanger or boiler m2	boiler exchanger m2	working pressure / temperature	working pressure / HSW exchanger	one deload capacity at 38°C with full tank at 60°C	HSW flow continuous between 10/45°C	w/water at 65°C, power recomended for tank and boiler	Heating Element	Cold outlet / hot outlet "	Probe outlet	inertia outlet	Permanent power loss
200	480	600	1290	60	190/14	1.0m2	0.500m2	3/110°C	6/95°C	150l	540l	20kw	1500w	1"	1/2"	1 1/4"	48
300	480	600	1790	60	285/18	1.42m2	0.945m2	3/110°C	6/95°C	220l	810l	25kw	1500w	1"	1/2"	1 1/4"	55
400	570	670	1790	60	385/21	1.57m2	1.05m2	3/110°C	6/95°C	300l	1080l	30kw	1500w	1"	1/2"	1 1/4"	92
500	635	800	1800	80	480/27	1.95m2	1.40m2	3/110°C	6/95°C	375l	1350l	40kw	3000w	1"	1/2"	1 1/4"	101
600	690	860	1830	80	580/27	2.4m2	1.45m2	3/110°C	6/95°C	450l	1620l	40kw	3000w	1"	1/2"	1 1/4"	111
800	810	960	1910	80	780/31	2.4m2	1.63m2	3/110°C	6/95°C	580l	1750l	57kw	4500w	1"	1/2"	1 1/4"	130
1000	910	1100	2100	100	980/34	3.2m2	1.92m2	3/110°C	6/95°C	760l	2400l	75kw	4500w	1"	1/2"	1 1/4"	149
1500	910	1100	2480	100	1350/48	3.9m2	2.60m2	3/110°C	6/95°C	1150l	3500l	114kw	6000w	1"	1/2"	1 1/4"	196
2000	1100	1300	2650	100	1970/53	4.5m2	3.18m2	3/110°C	6/95°C	1300l	4400l	114kw	9000w	1"	1/2"	1 1/4"	244

CAP. CAPACITY | CAPACIDADE | CAPACIDAD
ØC.int INTERIOR DIAMETER | DIÂMETRO INTERIOR | DIÂMETRO INTERIOR
ØC.ext EXTERIOR DIAMETER | DIÂMETRO EXTERIOR | DIÂMETRO EXTERIOR
HT. TOTAL HEIGHT | ALTURA TOTAL | ALTURA TOTAL
Any alteration on request
special measuments or special sizes on request
special heat exchanger coil sizes on request
exterior lining can be modified

POSITIONS

Vertical ground (VG)
 Vertical wall (VW)
 Horizontal ground (HG)
 Horizontal wall (HW)

STEEL

444
 316
 Carbon steel

Characteristics

- National manufacture
- Certified product (CE)
- Available in stainless steel or carbon steel
- combination of inertia and higienic tank
- From 200 to 2000lts
- Electrical support with bicapillary safety thermostat
- Single-phase or triphasic
- Standard or by measurement manufacture
- Easy installation
- Every tank has a magnesium anode, (eletronic anode on request)
- Tanks from 500lts up have sewer outlet pipe
- Insulation of high density injected polyurethane
- Outside lining in nappa fabric with sponge

The hygienic combined accumulator is great for interconnection of several heat sources, for hygienic production of instantaneous domestic hot water combined with inertia accumulation for the space heating system.

The special high-performance 316 stainless steel coil exchanger provides instant heating of the domestic water without any stagnation of the water, with maximum cleaning and without the possibility of bacteria growth.

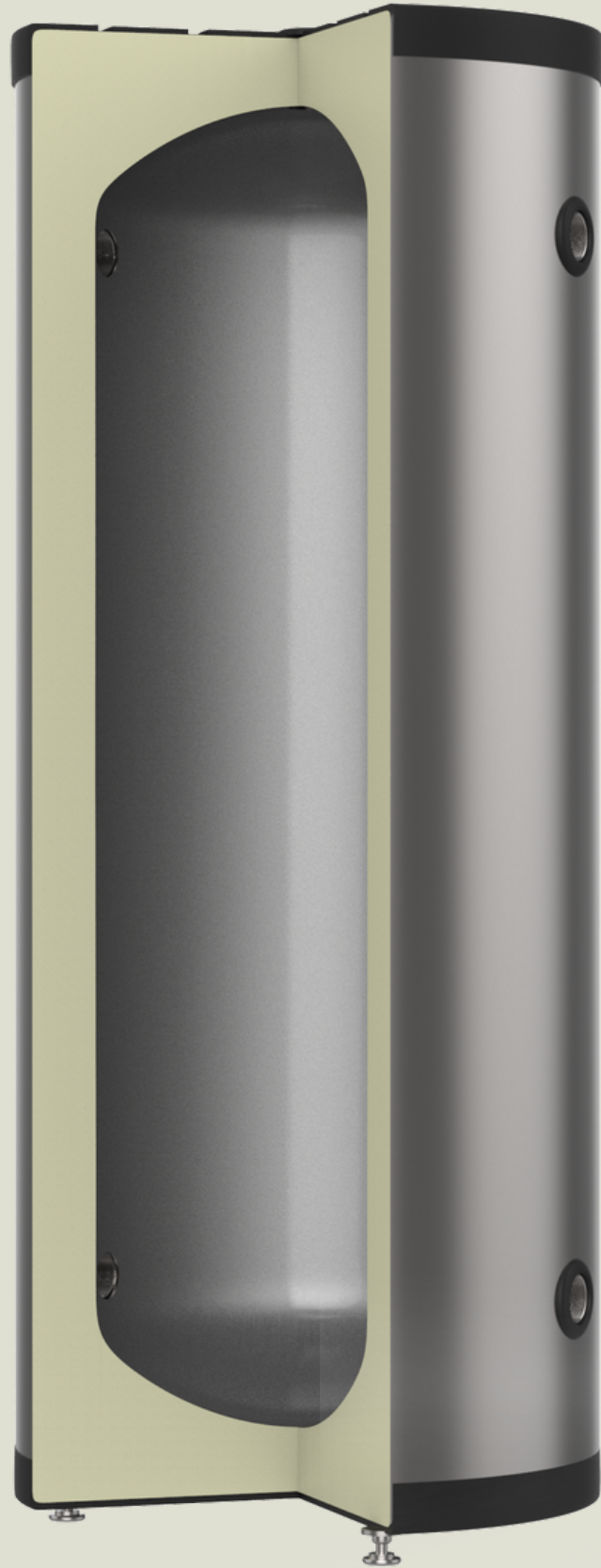
A single tank makes it possible to connect several heat sources simply and quickly, be it the solar system, heat pump, boiler, heat recovery unit or even electrical support. It optimizes the boiler or heat pump operation.

Allows for maximum versatility, excellent performance and total health safety.

1.5 INERTIA DEPOSIT/TANK
DEPÓSITO DE INÉRCIA
DEPOSITO DE INERCIA

RAL 7016

RAL 9010



Details and outlets



Finish in Stainless steel/ Nappa Fabric

1.5 TECHNICAL CHARACTERISTICS

CARACTERÍSTICAS TÉCNICAS GERAIS

CARACTERISTICAS GENERALES

CAP.	ØC.int (mm)	ØC.ext (mm)	HT. (mm)	Insulation	Noise (db(A))	Energy efficiency	Permanent power loss (w)	Working pressure (mpa/bar)	Test pressure (mpa/bar)	Max. temperature	Connection for purger	In connections	Out connections	Probe	Manhole
80	400	480	900	50	-	B	39	0,6/6	0,9/9	110°C	3/4"	1 1/4"	1 1/4"	1/2"	-
100	400	480	1000	50	-	B	40	0,6/6	0,9/9	110°C	3/4"	1 1/4"	1 1/4"	1/2"	-
120	400	480	1180	50	-	B	44	0,6/6	0,9/9	110°C	3/4"	1 1/4"	1 1/4"	1/2"	-
150	400	480	1340	60	-	B	44	0,6/6	0,9/9	110°C	3/4"	1 1/4"	1 1/4"	1/2"	-
200	480	600	1290	60	-	B	48	0,6/6	0,9/9	110°C	3/4"	1 1/4"	1 1/4"	1/2"	-
250	480	600	1570	60	-	B	51	0,6/6	0,9/9	110°C	3/4"	1 1/4"	1 1/4"	1/2"	-
300	480	600	1790	60	-	B	55	0,6/6	0,9/9	110°C	3/4"	1 1/4"	1 1/4"	1/2"	-
300	545	670	1500	60	-	B	55	0,6/6	0,9/9	110°C	3/4"	1 1/4"	1 1/4"	1/2"	-
400	570	670	1790	60	-	C	92	0,6/6	0,9/9	110°C	3/4"	1 1/4"	1 1/4"	1/2"	-
500	635	800	1800	80	-	C	101	0,6/6	0,9/9	110°C	3/4"	1 1/4"	1 1/4"	1/2"	-
600	690	860	1830	80	-	C	111	0,6/6	0,9/9	110°C	3/4"	1 1/4"	1 1/4"	1/2"	-
800	810	960	1910	80	-	C	130	0,6/6	0,9/9	110°C	3/4"	1 1/4"	1 1/4"	1/2"	-
1000	910	1100	2100	100	-	C	149	0,6/6	0,9/9	110°C	3/4"	1 1/4"	1 1/4"	1/2"	-
1500	910	1100	2480	100	-	C	196	0,6/6	0,9/9	110°C	3/4"	1 1/4"	1 1/4"	1/2"	-
2000	1100	1300	2630	100	-	C	244	0,6/6	0,9/9	110°C	3/4"	1 1/4"	1 1/4"	1/2"	300Ø
2500	1250	1450	2580	100	-	C	291	0,6/6	0,9/9	110°C	3/4"	1 1/4"	1 1/4"	1/2"	300Ø
3000	1350	1550	2650	100	-	C	339	0,6/6	0,9/9	110°C	3/4"	1 1/4"	1 1/4"	1/2"	300Ø
4000	1550	1750	2900	100	-	C	434	0,6/6	0,9/9	110°C	3/4"	1 1/4"	1 1/4"	1/2"	400Ø
5000	1740	1940	3000	100	-	C	529	0,6/6	0,9/9	110°C	3/4"	1 1/4"	1 1/4"	1/2"	400Ø

CAP. CAPACITY | CAPACIDADE | CAPACIDAD

ØC.int INTERIOR DIAMETER | DIÂMETRO INTERIOR | DIÂMETRO INTERIOR

ØC.ext EXTERIOR DIAMETER | DIÂMETRO EXTERIOR | DIÂMETRO EXTERIOR

HT. TOTAL HEIGHT | ALTURA TOTAL | ALTURA TOTAL

Any alteration on request

special measuments or special sizes on request

special heat exchanger coil sizes on request

exterior lining can be modified

POSITIONS

Vertical ground (VG)

Vertical wall (VW)

Horizontal ground (HG)

Horizontal wall (HW)

STEEL

444

316

Carbon steel

Characteristics

- National manufacture
- Certified product (CE)
- Available in stainless steel or carbon steel
- From 80 to 5000lts
- Electrical support with bicapillary safety thermostat
- Single-phase or triphasic
- Standard or by measurement manufacture
- Easy installation
- Every tank has a magnesium anode, (eletronic anode on request)
- Tanks from 500lts up have sewer outlet pipe
- Insulation of high density injected polyurethane
- Outside lining in nappa fabric with sponge

The Inertia Tank is composed of an insulated reservoir to keep the water, characterized by not having an internal exchanger and its main purpose is to function as a water and heat reservoir (in a closed circuit) for distribution, depending on the needs of the user.

Heat storage is useful as it accumulates excess energy produced by heating systems, so there is a circuit and not a loss.

1.6 DRAIN BACK ACUMULATOR
ACUMULADOR DRAIN BACK
ACUMULADOR DRAINBACK



RAL 7016

RAL 9010

Details and outlets



Finish in Nappa Fabric

1.6 TECHNICAL CHARACTERISTICS

CARACTERÍSTICAS TÉCNICAS GERAIS

CARACTERISTICAS GENERALES

CAP.	300
ØC. int (mm)	480
ØC. ext (mm)	600
HT. (mm)	1500
Insulations	60
Noise (db(A))	-
Energy efficiency	B
Permanent power loss	55
Working pressure (mpa/bar)	0,6/6
Test pressure (mpa/bar)	1,2/12
Coil exchanger 1	4,5m ²
Coil exchanger 2	1,5m ²
Lower water accumulating tank	60lts

CAP. CAPACITY | CAPACIDADE | CAPACIDAD

ØC.int INTERIOR DIAMETER | DIÂMETRO INTERIOR | DIÂMETRO INTERIOR

ØC.ext EXTERIOR DIAMETER | DIÂMETRO EXTERIOR | DIÂMETRO EXTERIOR

HT. TOTAL HEIGHT | ALTURA TOTAL | ALTURA TOTAL

Any alteration on request

special measuments or special sizes on request

special heat exchanger coil sizes on request

exterior lining can be modified

POSITIONS

Vertical ground (VG)

Vertical wall (VW)

Horizontal ground (HG)

Horizontal wall (HW)

STEEL

444

316

Characteristics

- National manufacture
- Certified product (CE)
- Available in stainless steel or carbon steel
- Available in 300lts capacity
- Electrical support with bicapillary safety thermostat
- Single-phase or triphasic
- Standard or by measurement manufacture
- Easy installation
- Every tank has a magnesium anode, (eletronic anode on request)
- Tanks from 500lts up have sewer outlet pipe
- Insulation of high density injected polyurethane
- Outside lining in nappa fabric with sponge

The Drain-back system is an open system that, unlike traditional pressurized solar systems, does not require an expansion vessel, safety group or glycol water. It presents no risk of stagnation, as it empties the solar panels when the system is not in operation, making it a safer installation.

Solar collectors fill with water when the available solar energy is sufficient to heat the water in the tank. Under these conditions, the collectors fill with water in less than a minute, using a set of circulating pumps. After the process of using solar energy is finished, the circulating pump switches off and all the water collects in the tank.

Without water in the solar circuit, during periods of excess solar energy there is no danger of pressure build-up in the water. In winter, as we do not have water in the circuit, when it is stopped, there will be no danger of freezing the solar fluid either. Therefore, less maintenance costs, greater system longevity.

The structure of the domestic hot water tank ensures maximum water hygiene, since the water to be heated is transported in a piping system, where all the cold water from the network that enters, leaves heated for consumption, preventing stagnation. of the same.

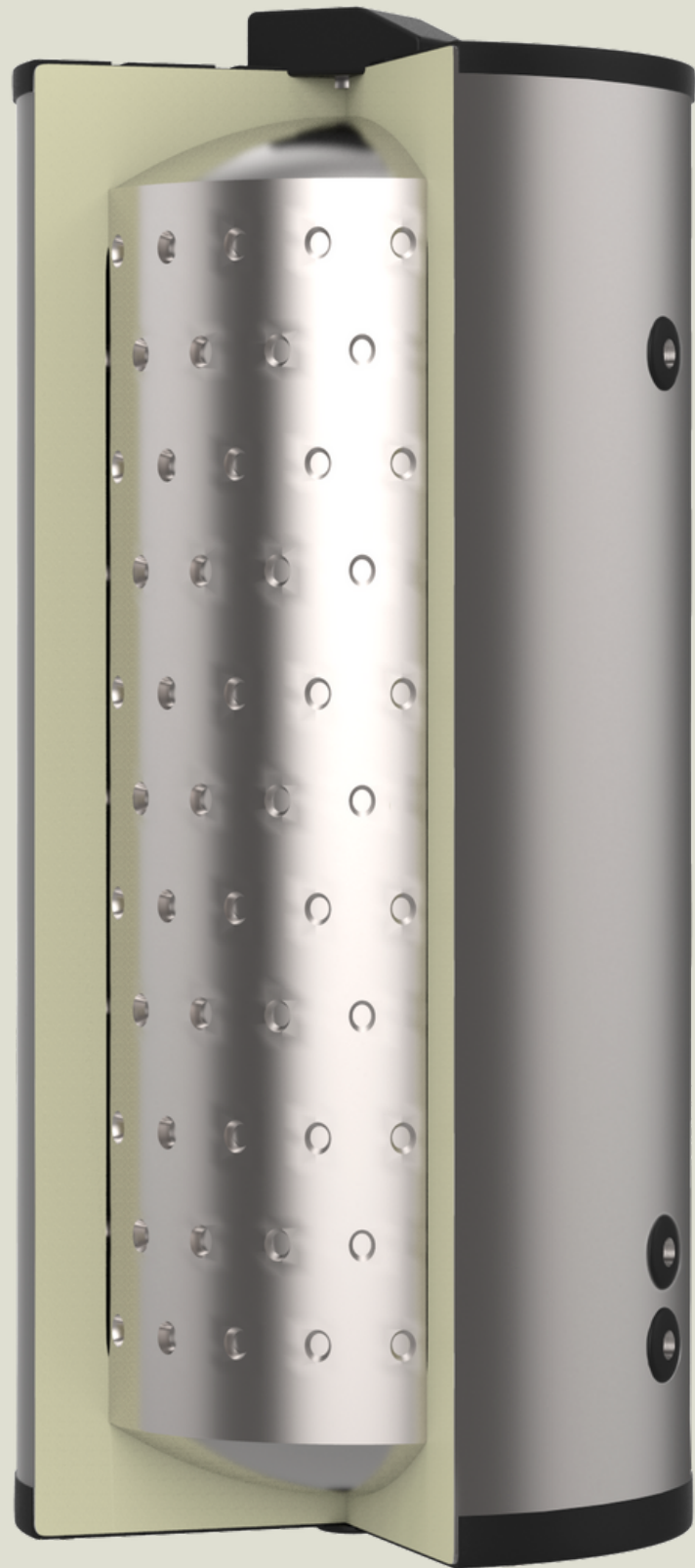
This eliminates the possibility of the formation of mud deposits, rust, sediment and even the development of Legionella bacteria, which can arise in conventional deposits.

1.7 THERMOSYPHON SOLAR WATER HEATER

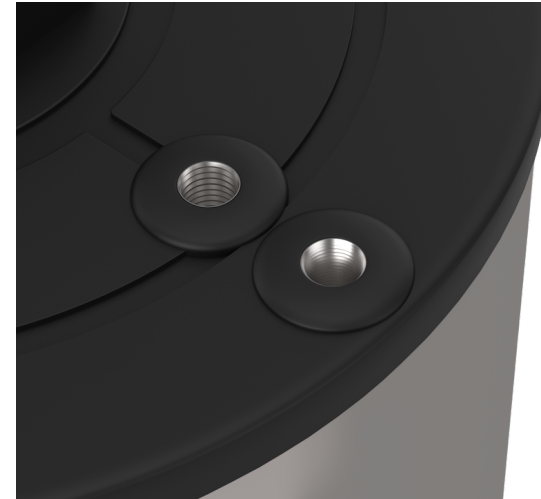
TERMOSSIFÃO
TERMOSIFÓN

RAL 7016

RAL 9010



Details and outlets



Finish in stainless steel

1.7 TECHNICAL CHARACTERISTICS

CARACTERÍSTICAS TÉCNICAS GERAIS

CARACTERISTICAS GENERALES

CAP.	150	200	300
ØC.int (mm)	400	480	480
ØC.ext (mm)	480	600	600
HT. (mm)	1340	1290	1500
Insulation	50	60	60
Noise (db(A))	-	-	-
Energy efficiency	B	B	B
Permanent power loss	44	48	55
Working pressure (mpa/bar)	0,6/6	0,6/6	0,6/6
Test pressure (mpa/bar)	1,2/12	1,2/12	1,2/12

CAP. CAPACITY | CAPACIDADE | CAPACIDAD

ØC.int INTERIOR DIAMETER | DIÂMETRO INTERIOR | DIÂMETRO INTERIOR

ØC.ext EXTERIOR DIAMETER | DIÂMETRO EXTERIOR | DIÂMETRO EXTERIOR

HT. TOTAL HEIGHT | ALTURA TOTAL | ALTURA TOTAL

Any alteration on request

special measurements or special sizes on request

special heat exchanger coil sizes on request

exterior lining can be modified

POSITIONS

Vertical ground (VG)

Vertical wall (VW)

Horizontal ground (HG)

Horizontal wall (HW)

STEEL

444

316

Characteristics

- National manufacture
- Certified product (CE)
- Available in stainless steel or carbon steel
- From 150 to 300lts
- Electrical support with bicapillary safety thermostat
- Single-phase or triphasic
- Standard or by measurement manufacture
- Easy installation
- Every tank has a magnesium anode, (electronic anode on request)
- Tanks from 500lts up have sewer outlet pipe
- Insulation of high density injected polyurethane
- Outside lining in stainless steel 430

The thermosyphon is built in a high-performance double chamber, with an internal expansion vessel system to ensure that the operating circuit is always full for proper operation.

In these solar systems, the water circulation is done by the thermosyphon effect, this phenomenon is based on the difference in density between the cold water and the water heated by solar radiation, for this to happen, it is necessary that the panels have a minimum inclination and that the deposit is installed at a higher level.

They have fewer components than other solar systems, such as a circulating pump and controller.

COMPLEMENTARY ACCESORIES
ACESSÓRIOS COMPLEMENTARES
ACCESORIOS COMPLEMENTARIOS

Thermosyphon thermostat
Thermosyphon heating element 1500w
4500w and 6000w contactor
Stainless steel 304 sheath 1/2" w/pipe 12x150mm
Stainless steel 304 sheath 1/2" w/pipe 12x250mm
Stainless steel 304 sheath 1/2" w/pipe 12x65mm
Stainless steel 304 sheath 1/2" w/pipe 18x200mm
Stainless steel 304 sheath 1/2" w/pipe 18x100mm
Stainless steel 304 sheath 1/2" w/pipe 12x100mm
Steel lids with hole - female threaded union
Steel lids with hole - male threaded union
magnesium anode 3/4"
magnesium anode 1 1/4"
Electronic anode
Single-phase heating element 316 stainless steel 1500w
Single-phase heating element 316 stainless steel 3000w
Triphasic heating element 316 stainless steel 3000w
Triphasic heating element 316 stainless steel 4500w
Triphasic heating element 316 stainless steel 6000w
Single-phase thermostat

Any alteration on request

Any additional information regarding extra accessories on request
 Qualquer informação adicional dos acessórios sob consulta



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