

GALÚ

 innovative accumulator tanks

 GALÚ



GALÚ Accumulator Tanks are designed to optimise energy production, storage and distribution of energy produced for domestic hot water and heating. Water has excellent heat retention capabilities, therefore the choice of hot water tank is crucial to maximise the energy saving potential.

Installing a GALÚ accumulator tank will significantly increase the efficiency of the heating system and as a result reduce energy costs and minimise harmful emissions. The tank operates independently of the heating system and can work alongside any range of heat sources incl: oil, gas, electricity, solar, biomass, heat pumps etc or any combination of these.

A GALÚ accumulator tank is ideal for modern living, as it preserves the energy accumulated until it is required.

A GALÚ accumulator tank produces consistent warmth to your home, hot water on demand and is designed to reduce fuel costs and therefore limit harmful emissions.

GALÚ produces a large range of tanks from 250 litres to 200,000 litres and can be made to order to suit any range of installation variables. GALÚ also manufactures tanks for renovation projects specific to the customers requirements.

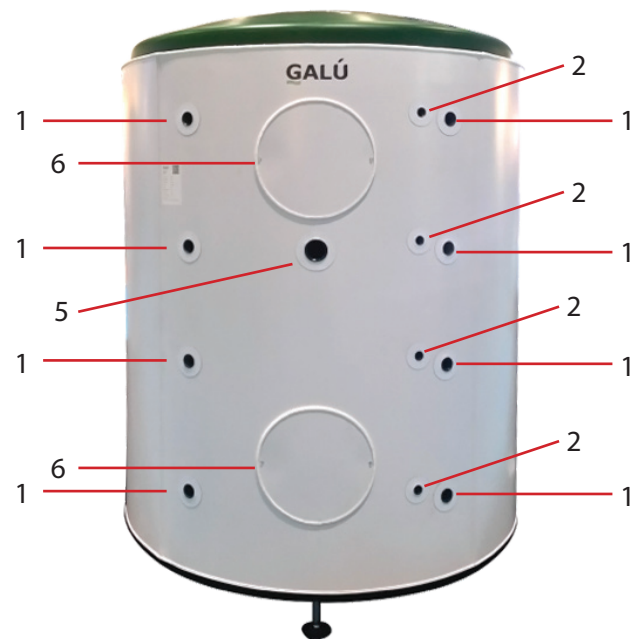
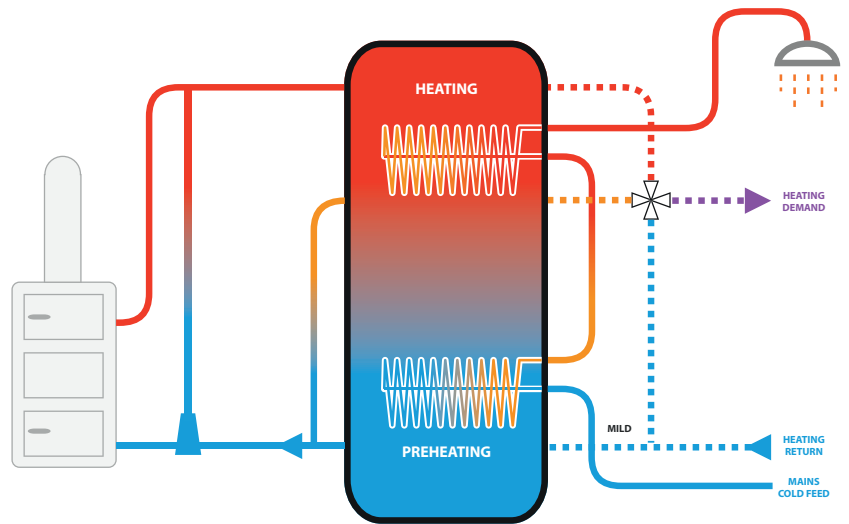


The GALÚ Classic Accumulator Tank facilitates the distribution of energy to a heating system and can provide domestic hot water (models with coils installed). With biomass the best efficiency is acquired by heating at high temperatures to get all components of the wood burnt. The GALÚ accumulator tank enables biomass boilers to reach their highest levels of efficiency.

The GALÚ tank can be supplied with coils or blank hatches. Enabling the installation of retrofit domestic hot water or solar coils for example at a later date.

Each GALÚ tank is wrapped in a layer of polyurethane insulation of 100mm thick (increased thickness on request). This guarantees maximum retention of the energy produced from all heat sources. Energy can be stored for days, even weeks with minimum heat loss.

Standard pressure rating is 3 bar however 6 bar pressure is also available.



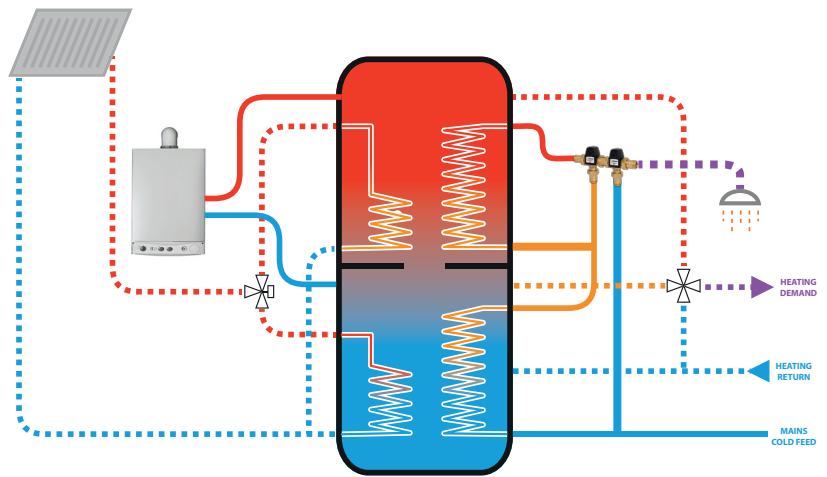
Number	Couplings	Size	Other info
1	Flow & Return	2"	1¼" ≤ 1500L
2	Wet Pocket	½"	
3	Drain	2"	1" ≤ 1500L
4	Vent	1"	
5	Resistor	2"	Optional Addition
6	Coil Hatch	2"	Optional Addition

Type	Diameter	Height	Approx. Weight	Capacity	Standing Loss	Energy Class
300	700	2050	150kg	281.7	68	B
500	800	2050	175kg	449.4	82	B
750	950	2050	200kg	746.4	94	B
1000	1050	2100	220kg	956.3	104	B
1500	1250	2150	320kg	1487.2	140	C
2000	1400	2200	375kg	1968.4	159	C
2500	1500	2250	385kg	2500	-	-
3000	1600	2300	390kg	3000	-	-
4000	1800	2350	650kg	4000	-	-
5000	2000	2500	800kg	5000	-	-
6500	2200	2550	950kg	6500	-	-
8000	2200	3050	1200kg	8000	-	-
10000	2400	3150	1500kg	10,000	-	-

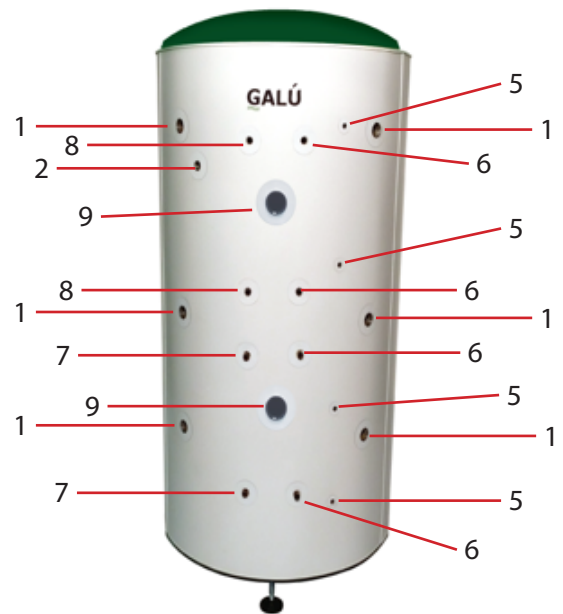
Solar is an excellent source of energy and offers significant savings to fuel bills. The installation of a GALÚ Solar Tank will ensure that you make the most of the solar energy gained. The tank will prioritise the use of the solar energy above all other heat sources. When there is adequate solar energy available the other heat sources will not be activated.

Solar energy can contribute to a building's energy requirements all year round. The GALÚ Solar Tank will direct the solar gain to provide domestic hot water and to contribute to the central heating system. An alternative heat source will be called upon during periods of low solar power.

The installation of a GALÚ Solar Tank will effectively enable the distribution of heat from Solar and all other heat sources to provide central heating and hot water in the most energy efficient way.



Number	Couplings	Size	Other info
1	Flow & Return	2"	1¼" ≤ 1500L
2	Wet Pocket	½"	
3	Drain	2"	1" ≤ 1500L
4	Vent	1"	
5	Dry Pocket		
6	DHW Coil	22mm	
7	Solar Coil	22mm	
8	Advanced Solar Coil	22mm	Optional Addition
9	Resistor	2"	Optional Addition

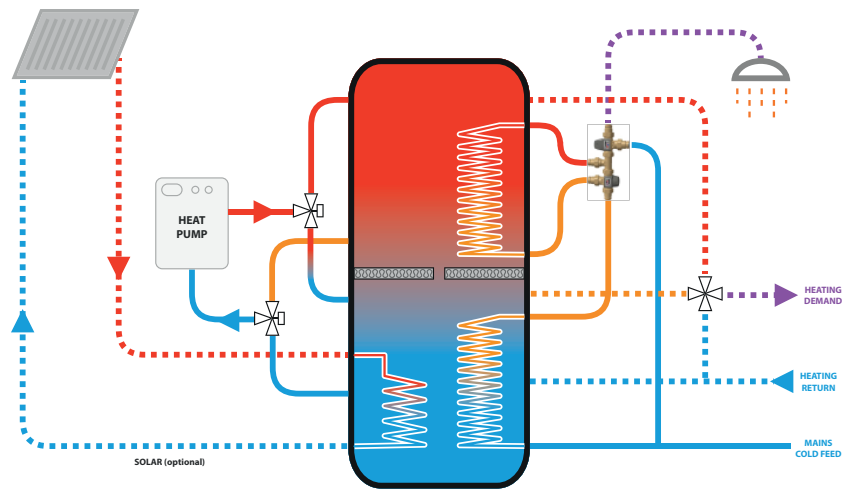


Type	Diameter	Height	Approx. Weight	Capacity	Standing Loss	Energy Class
300	700	2050	160kg	278.2	68	B
500	800	2050	200kg	445.9	82	B
750	950	2050	250kg	742.9	94	B
1000	1050	2100	300kg	952.8	104	B
1500	1250	2150	325kg	1483.7	140	C
2000	1400	2200	375kg	1969.6	159	C
2500	1500	2250	385kg	2500	-	-
3000	1600	2300	400kg	3000	-	-
4000	1800	2350	650kg	4000	-	-
5000	2000	2500	800kg	5000	-	-

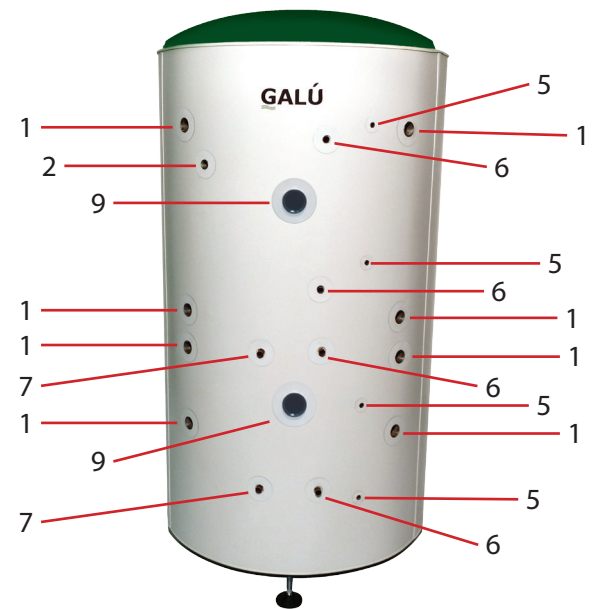
The GALÚ Heat Pump Accumulator has been designed to provide the most efficient storage and distribution of energy where a heat pump is the primary or a contributory heat source.

The tank is designed to optimise the coefficient of performance (COP) of the heat pump providing central heating and domestic hot water.

The upper section of the cylinder is divided by an insulated baffle plate. Hot water 53-60 degrees is stored in the upper section while energy from the low temperature heat source is stored in the lower section. Efficiency is maximized by preheating the dhw in the lower section where the COP is highest. This therefore minimises energy consumption from the upper section of the cylinder. The large lower section of the cylinder also minimises cycling of the heat-pump and can thermally store energy produced during times of cheap rate electricity for later use during the day.



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3	Drain	2"	1" ≤ 1500L
4	Vent	1"	
5	Dry Pocket		
6	DHW Coil	22mm	
7	Solar Coil	22mm	
8	Advanced Solar Coil	22mm	Optional Addition
9	Resistor	2"	Optional Addition



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1500	1250	2150	325kg	1483.4	140	C
2000	1400	2200	375kg	1969.2	159	C
2500	1500	2250	385kg	2500	-	-
3000	1600	2300	400kg	3000	-	-
4000	1800	2350	650kg	4000	-	-
5000	2000	2500	800kg	5000	-	-

GALÚ have invested further in production equipment enabling tank production of much greater volumes to our competitors. Colossus is now an increasingly popular model choice. This is perhaps due to the growing market share of boilers greater than 500kw. GALÚ Colossus has superior heat retention capabilities, especially due to the fact that customers can specify u-value requirements.

Pre-insulated and pre-finished, Colossus minimises on site works. This has proven a large benefit to many customers due to speed of installation and little additional site works (insulating and cladding like other suppliers).

Colossus comes with multiple lifting points for offloading and handling. These points are all easily removable once the installation has been completed. A standard being a 3bar working pressure plant room model and 6bar external models are also available, Colossus is truly a big flexible giant.



Available Additions

Number	Name	Size	Other info
1	Flanged Access Hatch	To required diameter	Available at 3 or 6 bar
2	Sensor Port	½"	
3	Dry sensor Pocket	12mm	
4	Threaded Socket	1", 1¼", 1½", 2", 2½"	
5	Flanged Connection (PN 16)	3", 4", 5", 6", 8"	

Type	Diameter	Height
10000	2400	3150
15000	2400	4550
17500	2400	5200
20000	2600	5200
30000	2600	7000
40000	3000	7300
60000	3500	7400
80000	3500	9400
100000	4000	9800
200000	4300	15000



GALÚ have become renowned for their bespoke accumulator tanks. With ultimate flexibility in design and manufacturing procedures, lead times are kept to a minimum. Why blank unused ports or compromise on a connection location? GALÚ will make exactly what you require.

GALÚ have developed a unique design software for distributors. This facilitates very fast turnaround on the bespoke units as the design programme is sent directly to our modern network enabled machinery.

Advantages:

- Diameter and height flexibility
- Connection options, male, female, flanges
- Insulation thickness
- Flexible port locations
- Vertical or horizontal tanks
- Heat Exchanger size, location

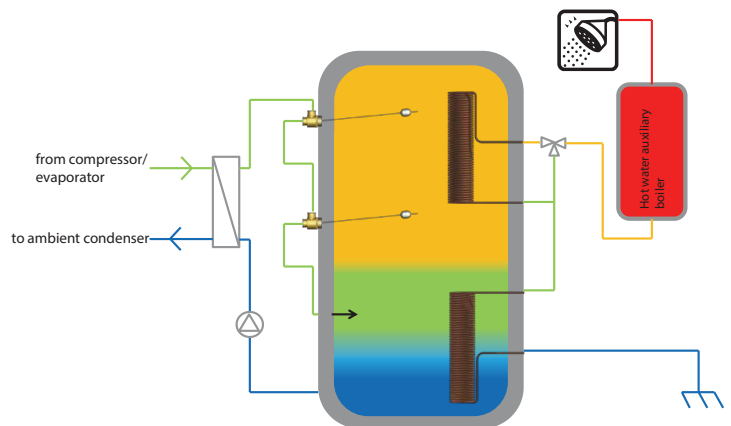


HEAT RECOVERY TANKS

GALÚ manufacture a variety of models of accumulator tank to harness rejected heat. This heat can be harnessed from the plant in many commercial environments. Dairy Farms, supermarkets, cold stores, food processing as examples.

GALÚ heat recovery tank is more advanced utilising our Thermo-Differential Valve. This unique 3-way switching valve for stratifying inlet flows into a thermal storage tank, which increases the stratification of the thermal storage tank, thereby improving its efficiency.

The valve is installed directly on a storage tank inlet, where it switches the flow direction of the incoming flow based on the temperature difference between the incoming flow and the temperature inside the tank, directing it either into the tank or through its bypass outlet to a different position in the storage tank.



This way, the flow enters the storage tank at the most appropriate level, with a minimal temperature difference between the inlet flow and the storage tank, so that the stratification of the storage tank is enhanced.

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