

LARGE VOLUME ACCUMULATOR

DOMESTIC HOT
WATER

CAPACITIES
**TERMO
XL**
750L UP TO 5000L

**LARGE VOLUME
ACCUMULATOR**
SOLUTIONS FOR
DOMESTIC HOT WATER,
SUITABLE FOR
OPERATION
WITH HEAT PUMPS



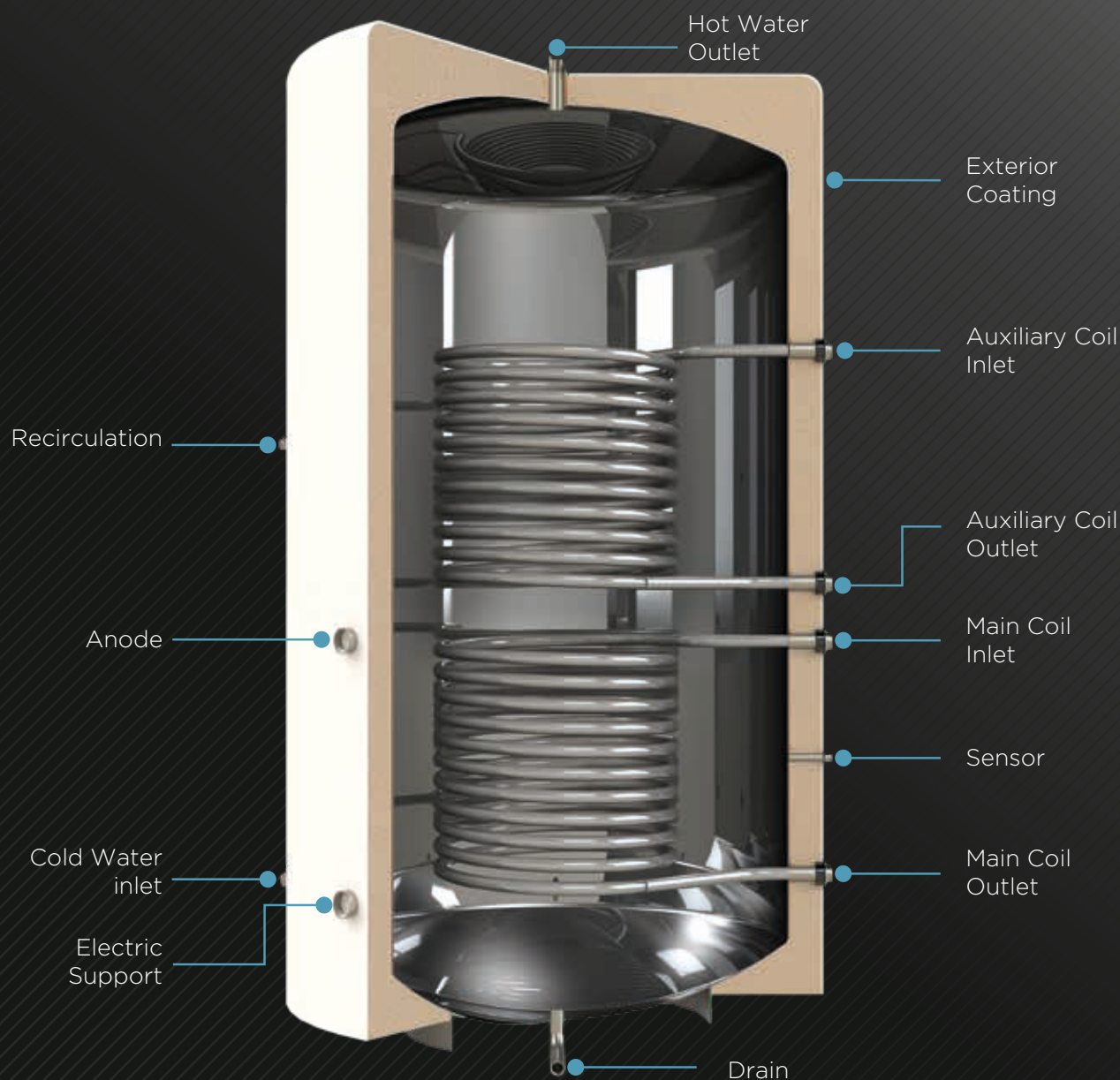
SIMPLICITY AND COMFORT

TERMO XL are available in the standard capacities of 750 up to 3000 litres and they may be produced in line with the needs of the client, in the capacities up to 6000 litres.

For the whole TERMO XL range, there is the possibility of adaptation to various types of configurations, number and cooling coil exchange area, thickness of the polyurethane insulation, integration of end caps of different sizes.

ENERGIE is concerned with meeting the customer's needs, adapting the type of steel in the tank, the volume, dimensions, leverage, connection positions, to the design and architectural requirements.

Whether replacing gas, diesel or pellet boilers, as well as when combining the reduction of energy consumption and improvements in energy efficiency in conjunction with traditional solar thermal systems, this is the ideal, optimised solution.



LARGE VOLUME ACCUMULATOR

DOMESTIC HOT WATER

ENERGIE presents its range of large capacity accumulators, TERMO XL, essential for comfort, energy efficiency and contribution to the preservation of the environment.

TERMO XL accumulators were designed to provide an extraordinary Hot Water storage capacity at the lowest cost, namely for dwellings, schools, small industries, public buildings, sports' bathing facilities and hotel facilities, inter alia.

These tanks are made of AISI316L stainless steel, available with capacities of 750, 1000, 1500, 2000, 2500, 3000, 4000 and 5000 litres.

 **PORTUGUESE MANUFACTURING**



LARGE VOLUME ACCUMULATOR FOR DWH

Main Features:

- Cylinder in AISI 316L
- Flexible Polyurethane Insulation with Variable Thickness (50mm or 100mm)
- DN200 & DN400 End Cap (Optional)
- Electric Support (Optional)
- Magnesium Anode
- Technical Fabric Coating



See warranty conditions

AISI 316L Stainless Steel Cylinder

Accumulators made from AISI316L stainless steel, highly resistant to corrosion.

50mm or 100mm Flexible Polyurethane Insulation

Thermal insulation in Flexible Polyurethane, 50 or 100 mm, which maintains the Domestic Hot Water storage temperature for long periods of time, without the need for any additional energy consumption.

DN200 & DN400 End Cap (optional)

All accumulators have the possibility of including an end cap, upon request, to be indicated when ordering.

Electric Support (optional)

All accumulators have the possibility of including an electrical support resistance with an external regulation thermostat, upon request, to be indicated when ordering.

Magnesium Anode

These accumulators have high anti-corrosion protection, through a magnesium protection anode, which guarantees great durability.

Technical Fabric Coating

The fabrics are manufactured from durable and resistant materials, designed to withstand operating conditions subject to the temperatures and humidity of a technical area (engine room).

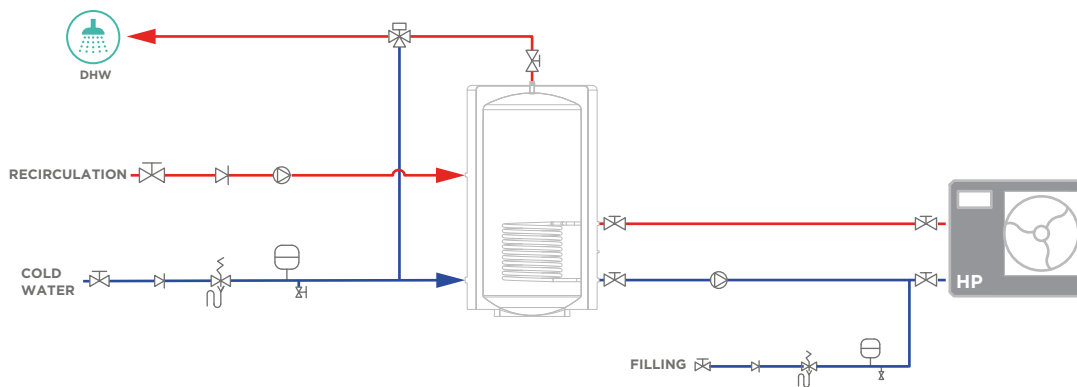
It allows the accumulator to be aesthetically and functionally finished in accordance with the highest technical requirements, prolonging its working life and maintaining an attractive appearance over time.

COMPATIBILITY WITH AQUAPURA INVERTER ENERGIE HEAT PUMPS

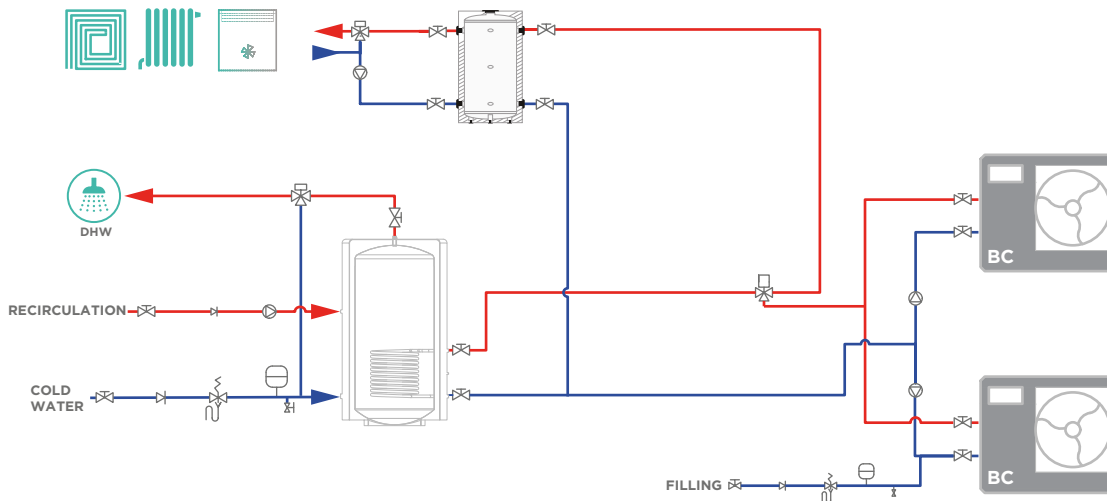
TERMO XL ENERGIE accumulators have now become more relevant due to their versatility in the application with the new AQUAPURA INVERTER heat pump range for DHW (Domestic Hot Water), Heating/Cooling solutions, or both solutions simultaneously, allowing you to improve and approach with confidence energy efficiency in any project. TERMO XL accumulators are compatible with ENERGIE heat pumps from 8 to 120 kW, medium and high temperature.

INSTALLATION SCENARIOS

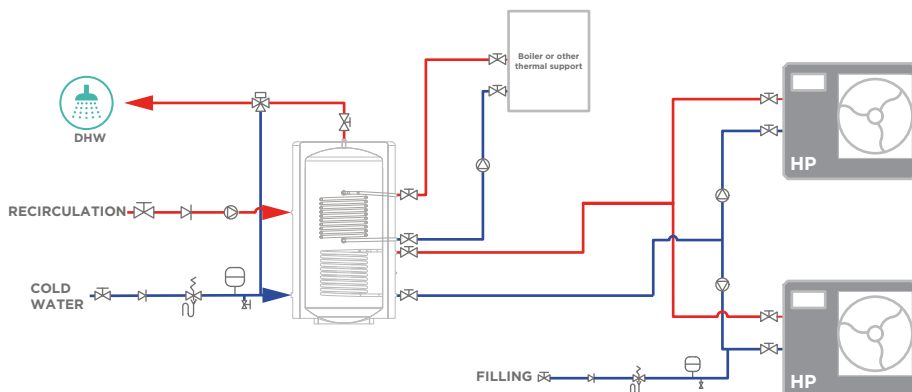
DOMESTIC HOT WATER INSTALLATION



DOMESTIC HOT WATER INSTALLATION + BUFFER TANK



DOMESTIC HOT WATER INSTALLATION WITH THERMAL SUPPORT



ACCUMULATOR TECHNICAL DATA

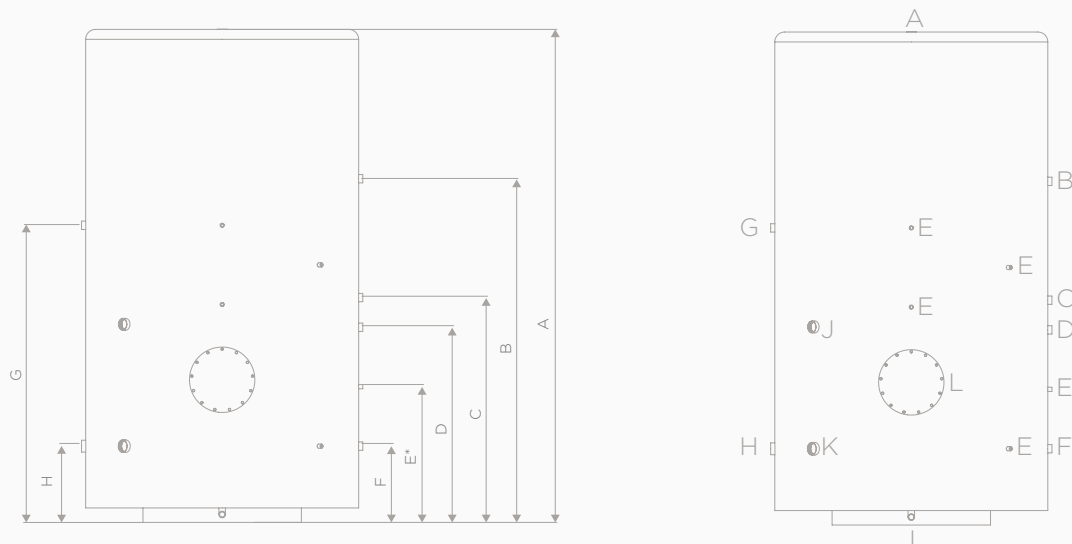
TERMO XL		750I	1000I	1500I	2000I	2500I	3000I	4000I	5000I
	Capacity	L 750	1000	1500	2000	2500	3000	4000	5000
	Max Working Pressure	Bar 8	8	8	8	8	8	8	8
Cylinder	Max Running Temperature	°C 90	90	90	90	90	90	90	90
	Height*	mm 2000	2050	2100	2150	2200	2300	2600	2700
	Ø Exterior*	mm 800	930	1140	1300	1400	1500	1600	1750
TERMO XL (1 COIL)		750IX	1000IX	1500IX	2000IX	2500IX	3000IX	4000IX	5000IX
	Swap Area	m ² 2,83	3,62	4,21	5,058	5,90	6,74	7,59	8,43
	Volume	L 27,18	36,24	45,30	54,36	63,44	72,49	77,80	81,12
Main Coil	Maximum Pressure	Bar 10	10	10	10	10	10	10	10
	Maximum Temperature	°C 120	120	120	120	120	120	120	120
	Max Power Exchange	kW 99	127	155	235	295	350	370	385
TERMO XL (2 COILS)		750IXX	1000IXX	1500IXX	2000IXX	2500IXX	3000IXX	4000IXX	5000IXX
	Swap Area	m ² 1,75		3,62	4,21	5,05	5,90	6,74	7,59
	Volume	L 18,12		36,24	45,30	54,67	63,44	72,49	77,80
Auxiliary Coil	Maximum Pressure	Bar 10		10	10	10	10	10	10
	Maximum Temperature	°C 120		120	120	120	120	120	120
	Max Power Exchange	kW 61		127	155	235	295	350	370
TERMO XL (1 COIL)		750IXL	1000IXL	1500IXL	2000IXL	2500IXL	3000IXL	4000IXL	5000IXL
	Swap Area	m ² 5,93	6,34	7,18	8,01	8,84	9,67	11,34	13,10
	Volume	L 63,43	67,96	77,02	86,08	95,15	104,21	122,34	140,52
XL Coil	Maximum Pressure	Bar 10	10	10	10	10	10	10	10
	Maximum Temperature	°C 120	120	120	120	120	120	120	120
	Max Power Exchange	kW 298	330	380	425	460	510	556	681

* Dimensions assuming a polyurethane insulation thickness of 50mm. If the tank has an insulation thickness of 100mm, the diameter and height of the tank increase by 100 and 50mm, respectively.

TERMO XL DESIGNATION (mm) CONNECTIONS		750	1000	1500	2000	2500	3000	4000	5000
A	DHW Outlet	2000 1"1/4 F	2050 1"1/4 F	2100 1"1/2 F	2150 2" F	2200 2" F	2300 2" F	2600 2"1/2 F	2700 3" F
B	Auxiliary Coil Inlet	1640 1"1/4 F	1670 1"1/4 F	1685 1"1/4 F	1725 1"1/4 F	1755 1"1/4 F	1810 1"1/4 F	2063 1"1/4 F	2085 1"1/4 F
C	Auxiliary Coil Outlet	1040 1"1/4 F	1070 1"1/4 F	1085 1"1/4 F	1125 1"1/4 F	1155 1"1/4 F	1210 1"1/4 F	1363 1"1/4 F	1385 1"1/4 F
D	Main Coil Inlet	940 1"1/4 F	970 1"1/4 F	985 1"1/4 F	1025 1"1/4 F	1055 1"1/4 F	1110 1"1/4 F	1213 1"1/4 F	1235 1"1/4 F
E*	Sensor	640 1/2" F	670 1/2" F	685 1/2" F	725 1/2" F	755 1/2" F	810 1/2" F	863 1/2" F	885 1/2" F
F	Main Coil Outlet	340 1"1/4 F	370 1"1/4 F	385 1"1/4 F	425 1"1/4 F	455 1"1/4 F	510 1"1/4 F	513 1"1/4 F	535 1"1/4 F
G	Recirculation	1490 1"1/4 F	1520 1"1/4 F	1535 1"1/2 F	1575 2" F	1605 2" F	1660 2" F	1813 2"1/2 F	1835 3" F
H	Cold Water Inlet	340 1"1/4 F	370 1"1/4 F	385 1"1/2 F	425 2" F	455 2" F	510 2" F	513 2"1/2 F	535 3" F
I	Drain	- 1" F	- 1" F	- 1" F	- 1" F	- 1" F	- 1" F	- 1" F	- 1" F
J	Magnesium Anode	- 1"1/4 F	- 1"1/4 F	- 1"1/4 F	- 1"1/4 F	- 1"1/4 F	- 1"1/4 F	- 1"1/4 F	- 1"1/4 F
K	Electric Support	- 2" F	- 2" F	- 2" F	- 2" F	- 2" F	- 2" F	- 2" F	- 2" F
L	DN200 & DN400 End Cap (optional)	-	-	-	-	-	-	-	-

"The Dimensions and Connections of Tanks with XL Coil will be provided upon request"

Equipment: **TERMO XL Accumulator**



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R2V0/2026



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