

BUFFER TANK



BUFFER TANKS,
ESPECIALLY
SUITABLE FOR
HEAT PUMPS



BUFFER TANK

ENERGIE.PT

MANUFACTURED IN AISI 444 AND/OR AISI 304 STAINLESS STEEL

ENERGIE buffer tanks have been developed for the temporary storage of thermal energy in the form of hot and/or chilled water, for use in Domestic Hot Water (DHW) production and HVAC applications in heat pump systems. Their use optimizes system operation, improving energy efficiency and enhancing indoor comfort.

ENERGIE buffer tanks are manufactured in stainless steel and feature thermal insulation tailored to the different product ranges. They are available in capacities from 30 to 5000 litres.

 PORTUGUESE MANUFACTURING



BUFFER TANK



See warranty conditions



• **Models ≤ 500L:**

Manufactured from AISI 444 stainless steel, with external insulation in injected rigid polyurethane foam (CFC- and HCFC-free PU), 60 mm thick.

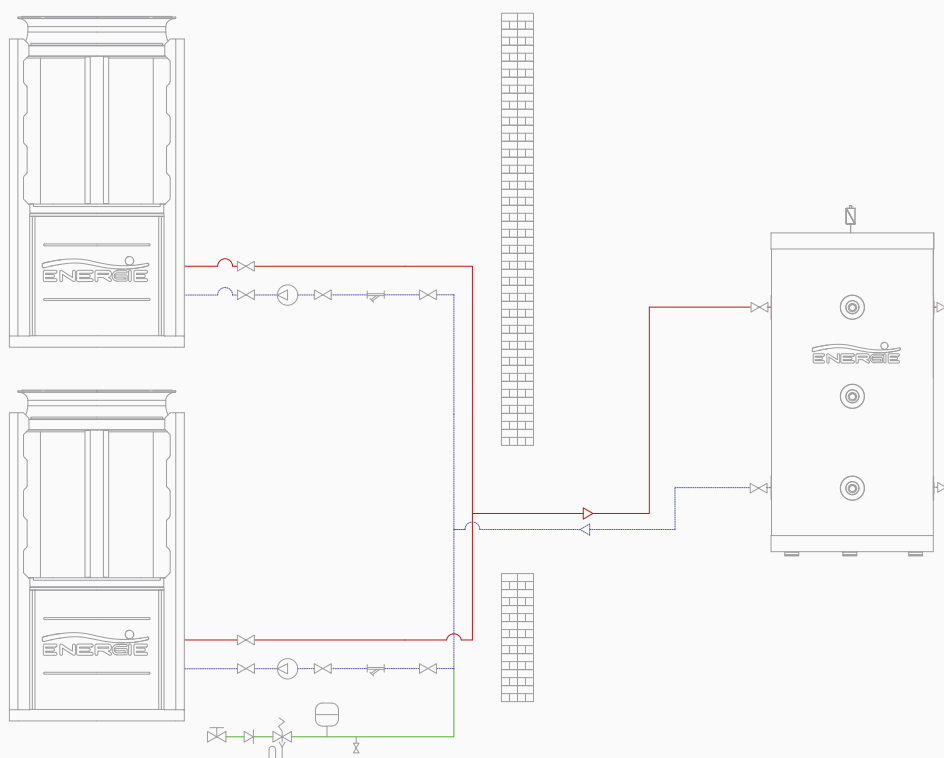
• **Models > 500L:**

Manufactured from AISI 304 stainless steel, with external insulation in flexible polyurethane foam (CFC- and HCFC-free PU), 50 mm thick (100 mm optional).

Características:

- Flexibility for adapting the positioning and dimensions of connections;
- Manufacturing flexibility for different operating pressures;
- High efficiency;
- Corrosion resistant;
- Ease of installation;
- Wall-mounted installation up to 100L.

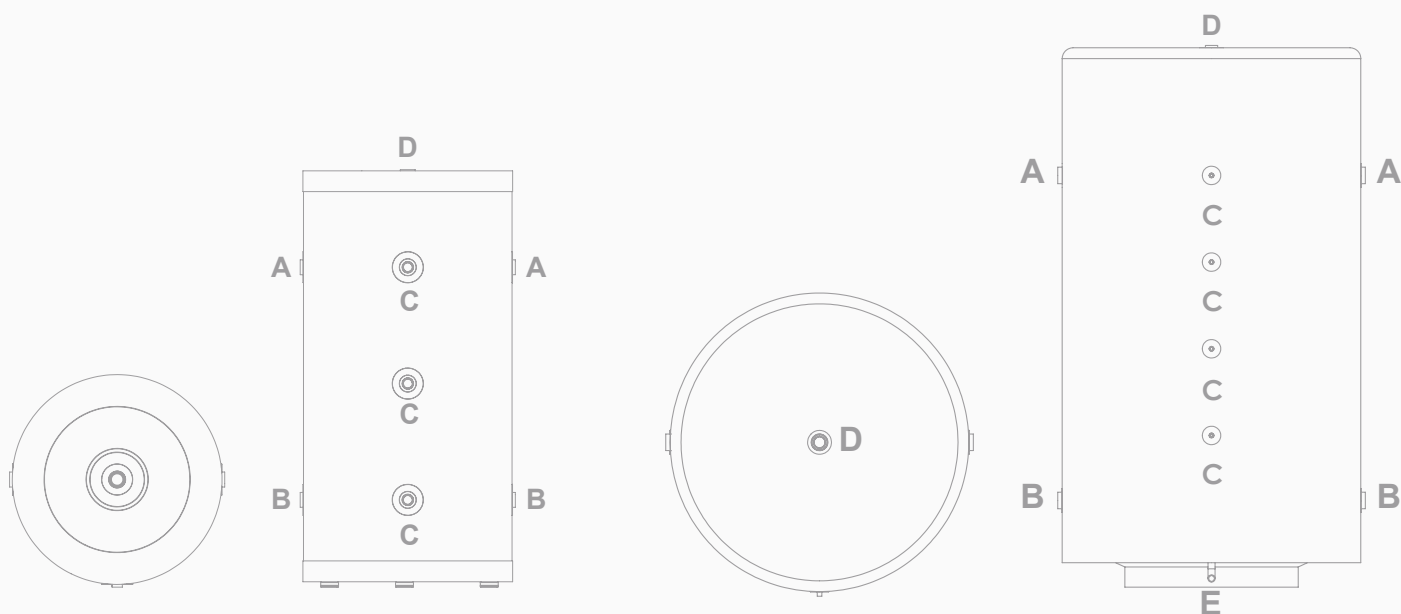
INSTALLATION EXAMPLE:



TECHNICAL DATA		DI30-IN	DI50-IN	DI100-IN	DI200-IN	DI300-IN	DI500-IN	DI1000-IN	DI1500-IN	DI2000-IN	DI2500-IN	DI3000-IN	DI5000-IN
Nominal capacity	L	30	50	100	200	300	500	1000	1500	2000	2500	3000	5000
Application		Wall	Wall	Wall	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
Max. operating pressure	bar	6	6	6	6	6	6	6	6	6	6	6	6
Max. temperature	°C	90	90	90	90	90	90	90	90	90	90	90	90
Insulation	mm	60	60	60	60	60	60	50	50	50	50	50	50
Thermal insulation	W/m.k	0,025	0,025	0,025	0,025	0,025	0,025	0,035	0,035	0,035	0,035	0,035	0,035
Insulation density	kg/m ³	43	43	43	43	43	43	25	25	25	25	25	25
Static losses	W	21	34	35	59	70	93	-	-	-	-	-	-
Energy Efficiency Class		A	A	A	B	B	C	-	-	-	-	-	-
Empty weight	Kg	10	25	31	52	66	87	150	190	260	285	310	520
H (height)	mm	595	650	1050	1330	1830	1950	2050	2100	2150	2200	2300	2700
Ø (diameter)	mm	300	500	500	600	600	720	930	1140	1300	1400	1500	1750
A, B (connections)		1"/F	1"1/4F	1"1/4F	1"1/4F	2"/F	2"/F	3"/F	3"/F	3"/F	4"/F	4"/F	4"/F
C (probes)		1/2"/F	1/2"/F	1/2"/F	1/2"/F	1/2"/F	1/2"/F	1/2"/F	1/2"/F	1/2"/F	1/2"/F	1/2"/F	1/2"/F
D (top connection)		1"/F	1"1/4F	1"1/4F	1"1/4F	1"1/4F	1"1/4F	1"1/2F	1"1/2F	2"/F	2"/F	2"/F	2"/F
E (outflow)		-	-	-	-	-	-	1"	1"	1"	1"	1"	1"

Equipment: **BUFFER TANK**
DI30-IN / DI50-IN / DI100-IN
DI200-IN / DI300-IN / DI500-IN

Equipment: **ACUMULADOR DE INÉRCIA**
DI1000-IN / DI1500-IN / D2000-IN
D2500-IN / D3000-IN / D5000-IN



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