

VERTICAL ENAMELED TANKS FOR SOLAR AND HEAT PUMP

specially designed for heat pumps



TECHNICAL CHARACTERISTICS OF THE TANKS

Tank's material	from low carbon steel, double enameled at 860°C (DIN4753-3)	
Cathodic protection	with two magnesium rods, one at each flange (upper and inspection one)	
Maximum working pressure	10 bar	
Maximum working temperature	95°C	
Insulation for tanks 200 up to 300L	expanded P.U. 60mm thick with density 52kg/m ³	
Insulation for tanks 500/600 up to 1000L	soft P.U. sheet 100mm thick with density 30kg/m ³	
Heat pump coil heat exchanger	low carbon steel pipe, with enameling protection 1¼"	
Soler coil heat exchanger	low carbon steel pipe, with enameling protection 1"	
Coils' maximum working pressure	16 bar	
Coils' maximum working temperature	130°C	
Inspection flange diameter	Ø170	16 bar

single coil tanks

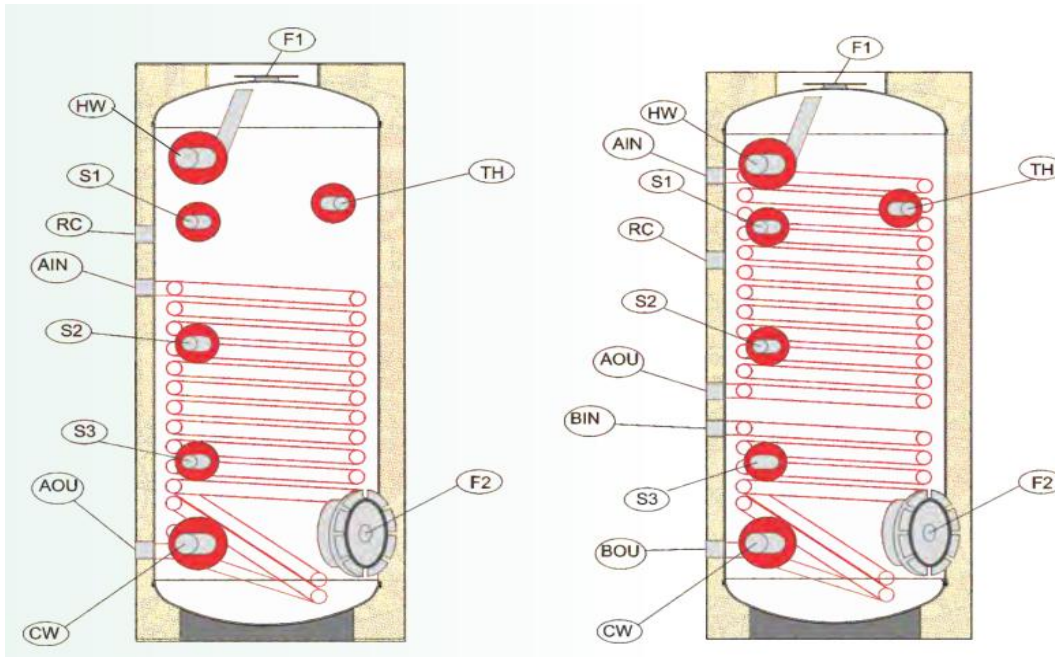
	vol(m ²)	weight empty (kg)
<i>BLGLLA200-1P</i>	200	128
<i>BLGLLA300-1P</i>	300	154
<i>BLGLLA500-1P</i>	550	199
<i>BLGLLA800-1P</i>	800	280
<i>BLGLLA1000-1P</i>	1000	295

double coil tanks

	vol(m ²)	weight empty (kg)
<i>BLGLLA200-1P</i>	200	147
<i>BLGLLA300-1P</i>	300	192
<i>BLGLLA500-1P</i>	550	240
<i>BLGLLA800-1P</i>	800	320
<i>BLGLLA1000-1P</i>	1000	350

remark: single coil tanks are of 500L nominal capacity while double coil are of 600L nominal capacity, for achieving real capacity of 550L in both cases

Data sheet



TECHNICAL CHARACTERISTICS		BLGGLA 200	BLGGLA 300	BLGGLA 500/600	BLGGLA 800	BLGGLA 1000
Energy Label		C				
Internal diameter	mm	510	510	650	850	850
External diameter	mm	630	630	850	1050	1050
Height	mm	1460	2000	1800/2000	1800	2000
Tank's thickness	mm	2,5	2,5	3	4	4
Max. working temperature	°C	95				
Max. working pressure	bar	10				
Max. sanitary water work. Press.	bar	10				
Coil's max. work. Pressure	bar	16				
Insulation type		rigid			soft	
Insulation's thickness	mm	60			100	
Heat Pump's coil A exchange surface	m ²	2,6	3,6	4,2	6	6
Solar coil B exchange surface	m ²	1,2	2,2	2,6	2,6	2,6
Heat Pump's coil A capacity	L	22,7	31,5	36,1	71	71
Solar coil B capacity	L	5,85	10,8	12,7	12,7	12,7
Heat Pump's coil A diameter	inch	1'	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Solar coil B diameter	inch	1'	1'	1'	1'	1'
H/Pump coil A conn. (AIN/AOU)	inch	1½'	1½'	1½'	1½'	1½'
Solar coil B conn. (BIN/BOU)	inch	1'	1'	1'	1'	1'
Cold water inlet CW	inch	1'	1'	1'	1½'	1½'
Hot water outlet HW	inch	1'	1'	1'	1½'	1½'
Recirculation R	inch	1'	1'	1'	1½'	1½'
Sensor sockets S1,S2,S3	inch	½"	½"	½"	½"	½"
Thermometer TH	inch	½"	½"	½"	½"	½"
Upper flange F1	mm	140	140	140	196	196
Inspection flange F2	mm	140	140	193	193	193
Upper flange F1 magn. Rod		Ø22X500mm	Ø22X500mm	Ø32X500mm	Ø32X500mm	Ø32X500mm
Inspection flange F2 mag. Rod		Ø22X500mm	Ø22X500mm	Ø32X500mm	Ø32X500mm	Ø32X500mm
Electrical resistance connection		Ø140mm	Ø140mm	Ø1½ inch	Ø1½ inch	Ø1½ inch
Electrical resistance position		inspection flange F2				

Notes:
