G-Energy PW Buffer Tank

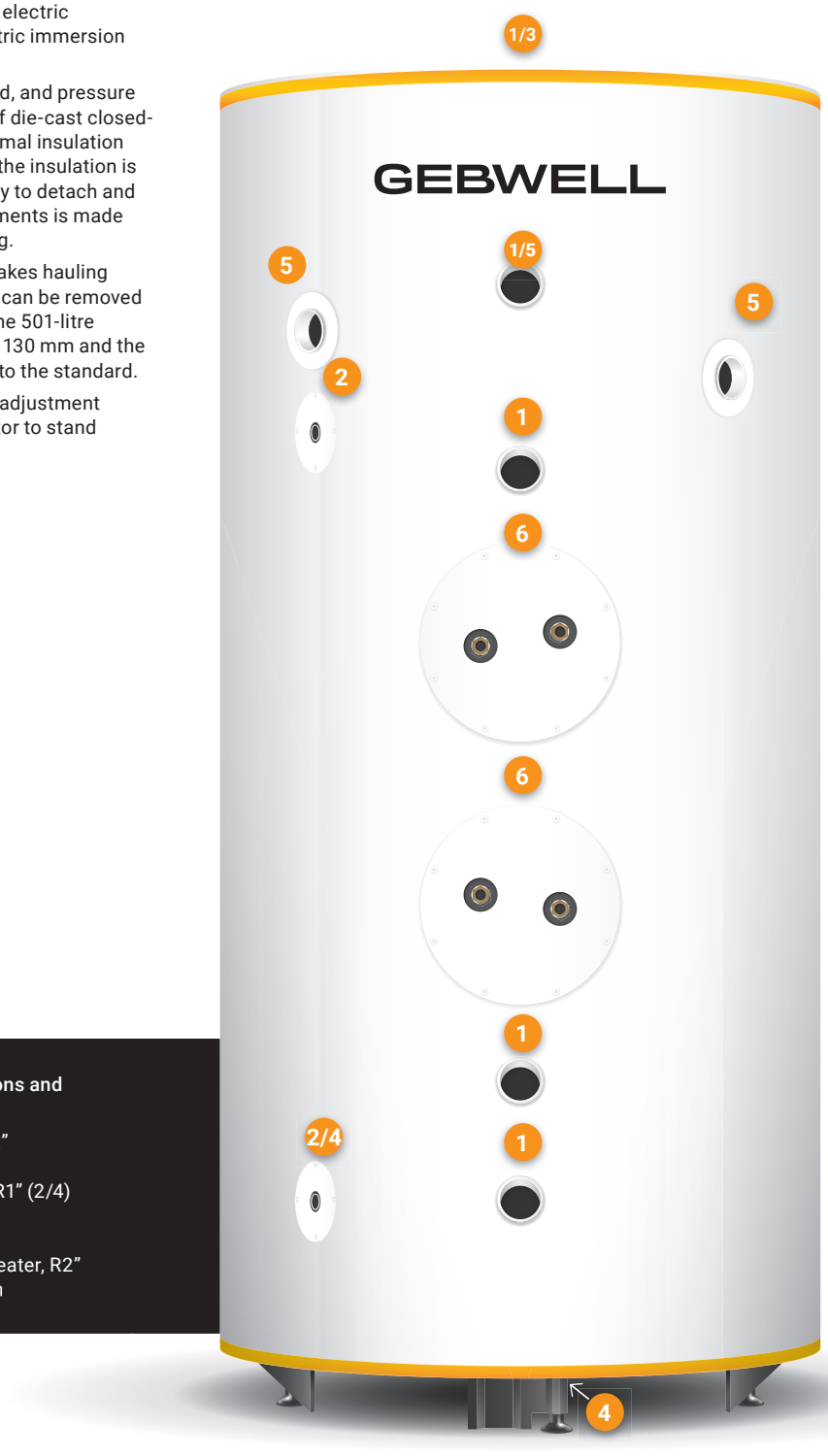
G-Energy PW buffer tanks are suitable for domestic water preheating and heating system buffer tanks.

Buffer tanks reduce the number of start-up times of heating equipment, such as heat pump compressors. In properties with a heat pump, the preheating of domestic water enables the domestic hot water to be heated more energy efficiently and improves the sufficiency of domestic hot water. The G-Energy PW buffer tank includes two flanges domestic hot water preheating coils. The 501 and 750 -litre G-Energy PW buffer tanks are equipped with three connections for electric immersion heaters, and the 1,000-litre models come with three or six electric immersin heater connections. The coils and electric immersion heaters are to be ordered separately.

The accumulator tank is made out of steel, primed, and pressure tested. The accumulator insulation is made out of die-cast closed-cell polyurethane, which has extremely good thermal insulation capacity and minimal thermal loss. As standard, the insulation is made out of detachable segments, which are easy to detach and reattach. The outer surface of the insulation segments is made out of painted steel plate with a protective coating.

The steel base on the base of the accumulator makes hauling easier. The base has two parts; the lower section can be removed before installation. When lowered, the height of the 501-litre accumulator is 90 mm, the 750-litre accumulator 130 mm and the 1000-litre accumulator 150 mm lower compared to the standard.

The accumulator has levelling feet with a 60 mm adjustment tolerance that makes it easy to set the accumulator to stand vertically.



Accumulator connections and connection sizes

1. Charging/heating, R2”
2. Measurement, R1/2”
the lowermost on side R1” (2/4)
3. Venting, R2”
4. Drainage, R1”
5. Electric immersion heater, R2”
6. Coil flange, Ø 200mm

G-Energy PW Buffer tank 501 and 750 L

Model		PW Buffer Tank 501L 3 BAR 3SV	PW Buffer Tank 501L 6 BAR 3SV
GTIN		6415853623841	6415853623858
Tank capacity	L	501	501
Height	mm*	2030	2030
Height when lowered	mm*	1940	1940
Diameter	mm**	600 / 780	600 / 780
Tilt measurement	mm***	2100	2100
Weight	kg	200	200
Connection sizes, #1		2”	2”
Max coil size		LK55, bent	LK55, bent
Number of electric imm. heater connections	pc	3	3
Max electric immersion heater capacity	kW	12	12
Max temperature	°C	110	110
Max operating pressure	bar	3	6

* +Levelling feet 0-60mm
** Measurements: insulation removed/installed (insulation thickness 90mm)
*** Tilt measurement with insulation detached

G-Energy PW Buffer tank 750 L

Model		PW Buffer Tank 750L 3 BAR 3 SV	PW Buffer Tank 750L 6 BAR 3 SV
GTIN		6430079400045	6430079400052
Tank capacity	L	750	750
Height	mm*	2100	2100
Height when lowered	mm*	1970	1970
Diameter	mm**	750 / 930	750 / 930
Tilt measurement	mm***	2100	2100
Weight	kg	200	230
Connection sizes, #1		2”	2”
Max coil size		LK55, bent	LK55, bent
Number of electric imm. heater connections	pc	3	3
Max electric immersion heater capacity	kW	12	12
Max temperature	°C	110	110
Max operating pressure	bar	3	6

* +Levelling feet 0-60mm
** Measurements: insulation removed/installed (insulation thickness 90mm)
*** Tilt measurement with insulation detached

G-Energy PW Buffer Tank 1000 L

Model		PW Buffer Tank 1000L 3 BAR 3 SV	PW Buffer Tank 1000L 3 BAR 6 SV	PW Buffer Tank 1000L 6 BAR 3 SV	PW Buffer Tank 1000L 6 BAR 6 SV
GTIN		6415853623865	6415853626316	6415853623872	6415853626330
Tank capacity	L	1000	1000	1000	1000
Height	mm*	2150	2150	2150	2150
Height when lowered	mm*	2000	2000	2000	2000
Diameter	mm**	850 / 1030	850 / 1030	850 / 1030	850 / 1030
Tilt measurement	mm***	2200	2200	2200	2200
Weight	kg	280	280	280	280
Connection sizes, #1		2”	2”	2”	2”
Max coil size		LK55	LK55	LK55	LK55
Number of electric imm. heater connections	pc	3	6	3	6
Max electric immersion heater capacity	kW	12	12	12	12
Max temperature	°C	110	110	110	110
Max operating pressure	bar	3	3	6	6

* +Levelling feet 0-60mm
** Measurements: insulation removed/installed (insulation thickness 90mm)
*** Tilt measurement with insulation detached