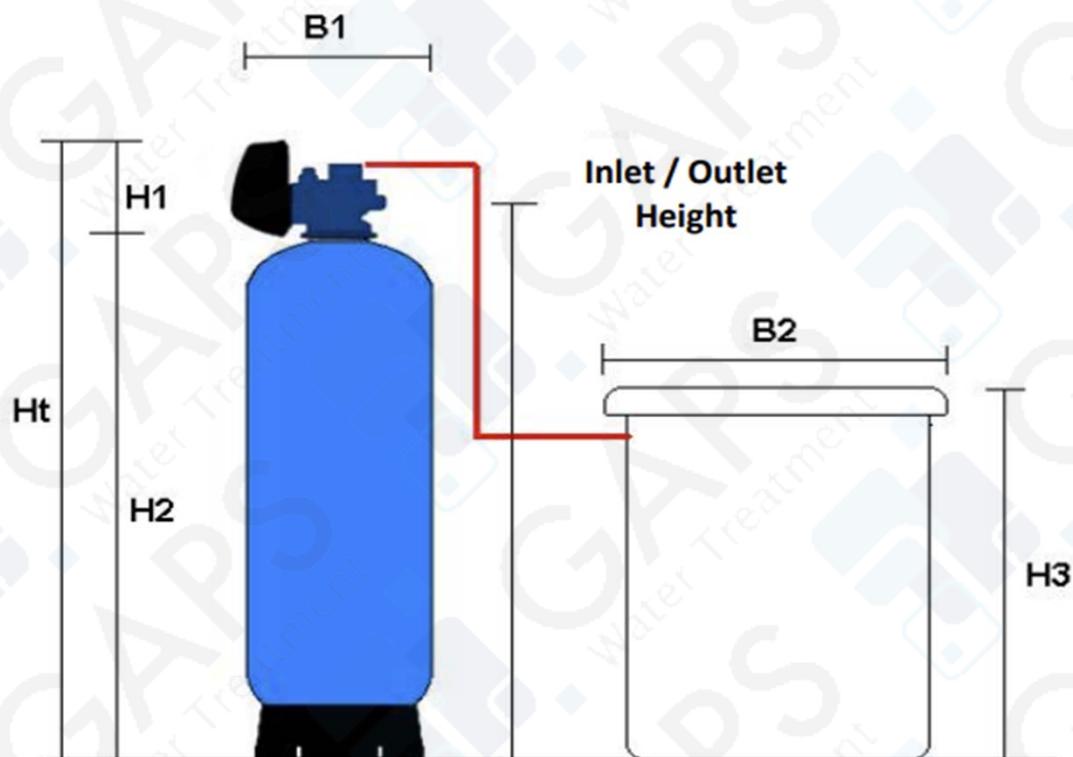


# TECHNICAL DATA SHEET SIMPLEX SOFTENERS

## CLACK WS2 CI

### Dimensions (cm)



Resin litres	Valve H1	Vessel H2	Vessel H3	Brine Tank Ht	Inlet/Outlet Height	Vessel B1	Brine Tank B2	Weight Kg*
200 1865	22	179	101	201	187	51	76Ø	240
250 2160	22	163	101	185	171	56	76Ø	285
350 2469	22	188	124	210	200	61	87Ø	400
500 3072	22	205	124	227	217	77	87Ø	555
700 3672	22	215	111	237	227	93	100Ø	747

All measurements can vary due to the cooling process during manufacture of the vessels and brine tanks.

\*Estimated weight of the system without water or salt

## General conditions for installation

Connection IN & OUT:	2"
Option side mount:	n/a
Drain connection(*):	1" for DLFC 10 - 25gpm 1.25" Over 25gpm
Electrical rating:	230V 50 Hz 12V Transformer
max power rating:	6W
IP protection class:	Double Isolated Transformer
Minimum inlet pressure :	200 kPa (2 bar)
Maximum inlet pressure:	600 kPa (6 bar)
Vacuum:	no allowance
Average pressure loss (**):	100 kPa (1 bar)
Min-max water temperature:	5-35°C

**Notes** (\*) Dependant on Drain line flow control.

(\*\*) Under normal circumstances.

It is always recommended to install a 25µm cartridge filter before a softener.

## Resin

Type: Strong acid cation resin - softening ,food grade quality

Life span: 15 years under normal circumstances

## Ion Exchange ( for average salt consumption of 150 g/l)

Resin volume (litres)	200	250	350	500	700
Capacity CaCO <sub>3</sub> (kg)	10	12.5	17.5	25	35
Capacity at 300 ppm CaCO <sub>3</sub> (m <sup>3</sup> )	33	41.6	58.3	83.3	117
Salt usage / regeneration (kg)	30	37.5	52.5	75	105

## Regeneration

Default start time is 2:00 AM, set on the timer as "Delayed Regeneration"

Options: TIME - VOLUME - IMMEDIATE - DELAYED - DAYS OVERRIDE - MANUAL REGNERATION

Resin volume (litres)	200	250	350	500	700
Total time (mins)	82	95	77	92	83

The interval between regenerations should not be more than 4 days, to prevent bacteria growth.

At least 8 hours between regenerations is required for the brine solution to form.

## Flow Rate

Resin volume (litres)	200	250	350	500	700
Nominal (m <sup>3</sup> /hr)	8	10	14	20	28
Minimum (LPH)	342				

## Consumption of Rinse Water

Resin volume (litres)	200	250	350	500	700
1. Backwash (litres)	170	246	247	378	660
2. Brining + slow rinse (litres)	528	972	803	1488	1638
4. Fast rinse (litres)	204	295	295	454	795
<b>Total (litres)</b>	<b>902</b>	<b>1513</b>	<b>1345</b>	<b>2320</b>	<b>3093</b>

Figures based on 60PSI pressure.