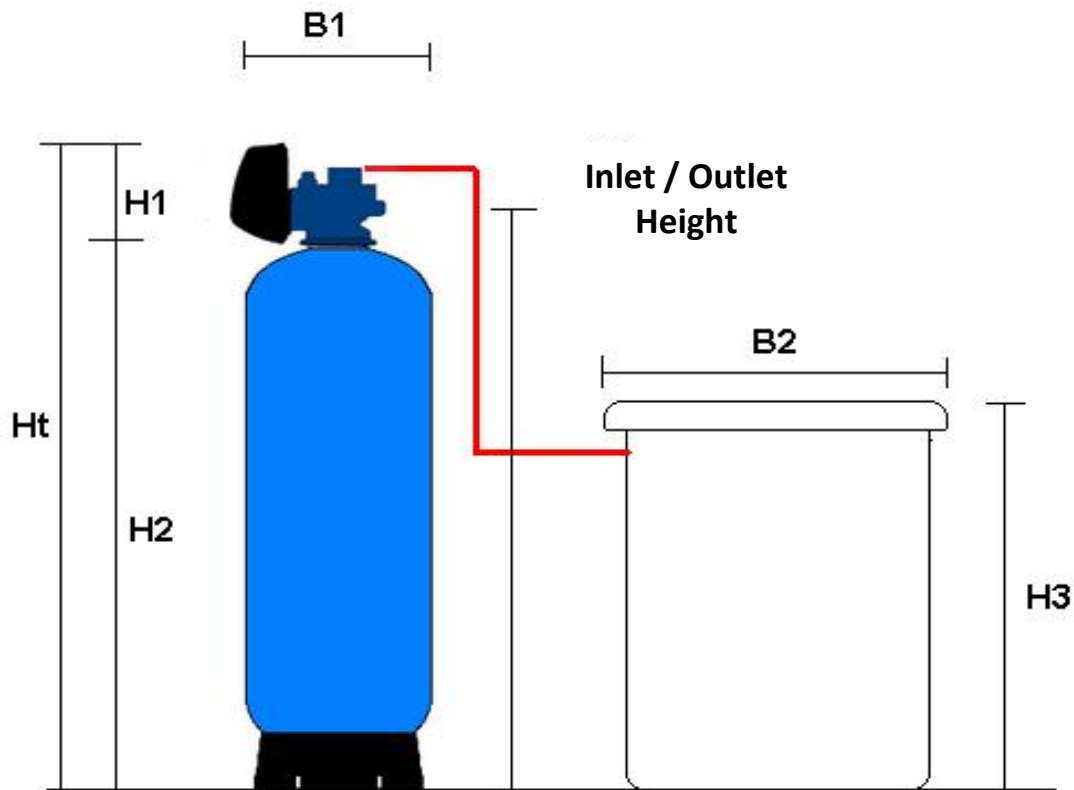


TECHNICAL DATA SHEET SIMPLEX SOFTENER

CLACK WS2 CI

Dimensions (cm)



resin	valve H1	vessel H2	brine tank H3	softener Ht	Inlet / Outlet	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

(*) Estimated weight of the system without water or salt.

(**) Sizes may vary dependent on the components used and should be only used as a guide.

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 50Hz 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

Remarks

(*) Dependant on Drain line flow control.

(**) Under normal circumstances.

It is always recommended to install a 25µ 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)

	litres of resin	200	250	350	500	700
capacity	kg CaCO ₃	10.0	12.5	17.5	25	35
	m ³ @ 300ppm	33.0	41.6	58.3	83.3	117
salt consumption	kg / regen.	30.0	37.5	52.5	75	105

Regeneration

Start :	Default Time 2:00 am, set on the timer as (delayed regeneration) Options : TIME - VOLUME - IMMEDIATE - DELAYED - DAYS OVERRIDE and manual regeneration.
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Total time min :	82	95	77	92	83
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Remarks

The interval between regenerations should not be more than 14 days, to prevent bacteria growth.

Flow rate

	litres of resin	200	250	350	500	700
nominal	m ³ /h	8.0	10.0	14.0	20.0	28.0
minimum	L/h	342				

Consumption of rinse water

	litres of resin	200	250	350	500	700
1.Backwash	litres	170	246	247	378	660
2.Brining + Slow	litres	528	972	803	1488	1638
4.Fast rinse	litres	204	295	295	454	795
total	litres	902	1513	1345	2320	3093

12/10/2018