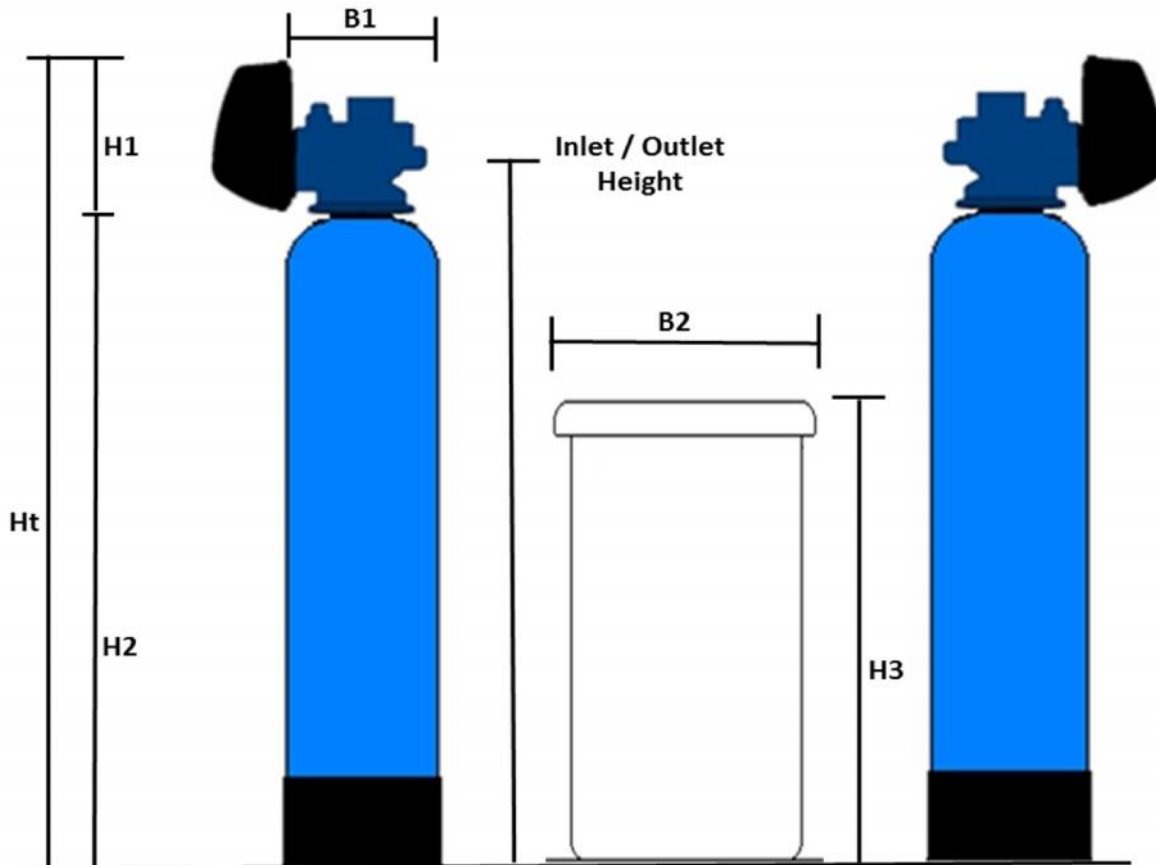


TECHNICAL DATA SHEET DUPLEX SOFTENER

CLACK WS2 CI

Dimensions (cm)



resin	valve H1	vessel H2	brine tank H3	softener Ht	Inlet / Outlet	vessel B1	brine tank B2	weight (*) kg
1465 ₁₂₅	22	166	93	188	178	37	87 ϕ	230
1665 ₁₅₀	22	179	124	201	191	41	87 ϕ	380
1865 ₂₀₀	22	179	124	201	191	61	87 ϕ	460
2160 ₂₅₀	22	163	124	185	175	61	87 ϕ	495
2469 ₃₀₀	22	188	111	210	200	77	100 ϕ	690
2469 ₃₅₀	22	188	111	210	200	61	100 ϕ	772
3072 ₄₀₀	22	205	111	227	200	61	100 ϕ	872
3072 ₅₀₀	22	205	111	227	217	77	100 ϕ	1109
3672 ₇₀₀	22	215	129	237	227	93	107 ϕ	1484

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

(**) Sizes may vary dependent on the components used and should only be 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

(*) Dependent 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	125	150	200	250	300	350	400	500	700
Capacity	kg CaCO ₃	6.25	7.5	10	12.5	15	18	20	25	35
	m ³ @ 300ppm	20.8	25	33	42	50	59	67	83	117
Salt consumption	kg / regen.	18.8	22.5	30	38	45	53	56	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.

total time min :	97	82	95	72	94	77	85	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	125	150	200	250	300	350	400	500	700
nominal	m ³ /h	5	6	8	10	12	14	16.0	20.0	28.0
minimum	L/h	342								

Consumption of rinse water

	litres of resin	125	150	200	250	300	350	400	500	700
1.Backwash	litres	100	142	170	246	310	247	285	378	660
2.Brining + Slow	litres	409	353	528	972	752	803	920	1488	1638
4.Fast rinse	litres	120	170	204	295	450	295	340	454	795
total	litres	629	665	902	1513	1512	1345	1550	2320	3093