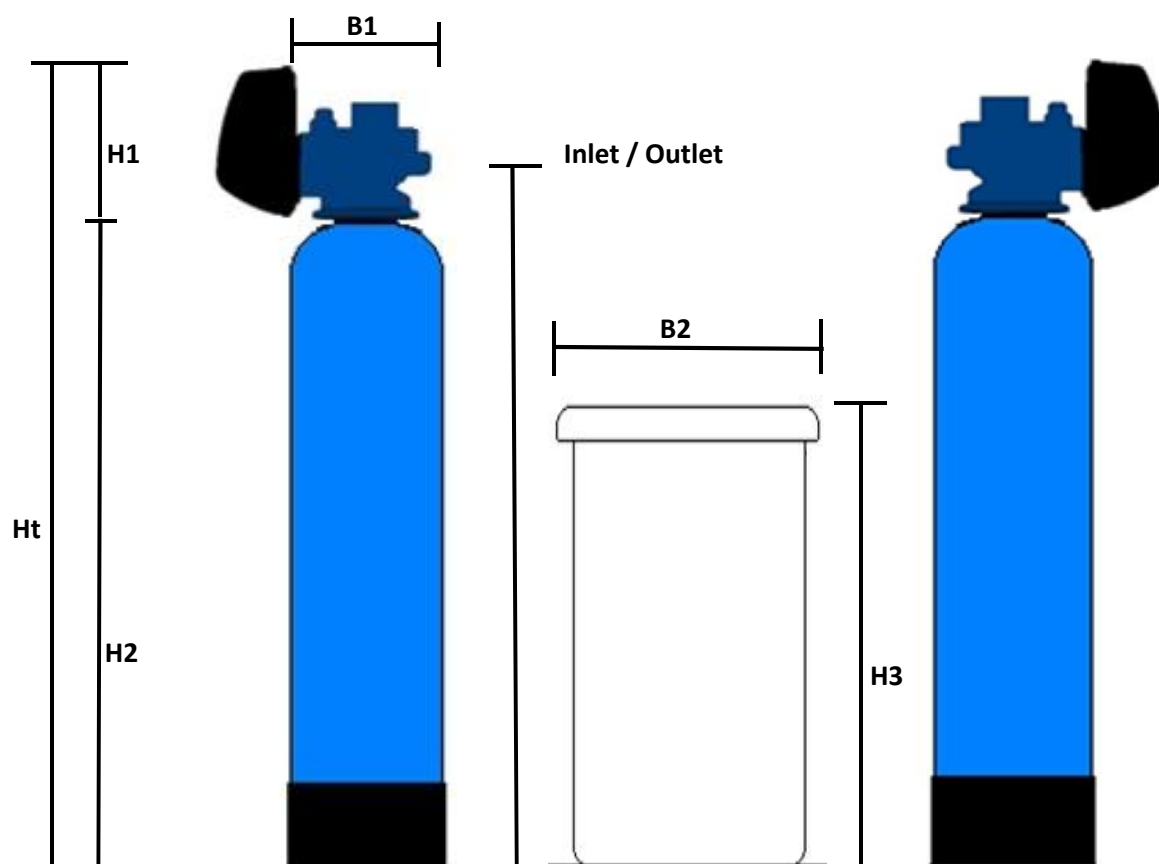


TECHNICAL DATA SHEET DUPLEX SOFTENERS

CLACK WS1.25 CI

Dimensions (cm)



resin	valve H1	vessel H2	brine tank H3	softener Ht	Inlet / Outlet	vessel B1	brine tank B2	weight (*) kg
75 ¹³⁵⁴	19	140	101	159	145	34	76ø	166
100 ¹⁴⁷⁵	19	168	87	187	173	37	93ø	210
125 ¹⁴⁷⁵	19	168	87	187	173	37	93ø	232
150 ¹⁶⁶⁵	19	167	124	186	172	41	87ø	316
200 ¹⁸⁶⁵	19	179	124	198	184	51	87ø	410

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

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

General conditions for installation

Connection IN & OUT:	1-1/4"
Option side mount:	N/A
Drain connection(*):	3/4" or 1" for DLFC flows over 10 gpm
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) per vessel

litres of resin	75	100	125	150	200
Capacity kg CaCO ₃	3.8	5	6.3	7.5	10
M ³ @ 300ppm	13	17	21	25	33
Salt consumption kg / regen.	11	15	19	22.5	30

Regeneration per vessel

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 :	75	97	97	82	95
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Remarks

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

Flow rate per vessel

litres of resin	75	100	125	150	200
nominal M ³ /h	3.0	4.0	5.0	6.0	8.0
minimum L/h	60				

Consumption of rinse water per vessel

	litres of resin	75	100	125	150	200
1.Backwash	litres	95	95	95	132	170
2.Brining + Slow	litres	188	263	246	282	440
4.Fast rinse	litres	114	114	114	159	204
Total ***	litres	397	472	455	573	814

(***) Figures based on 60 PSI pressure.

10/12/2018