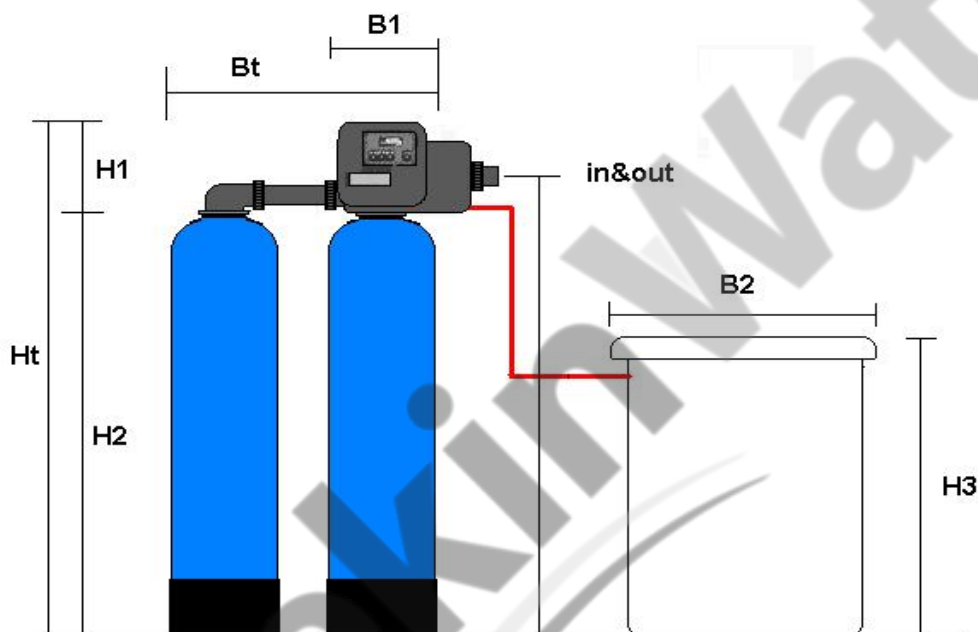


TECHNICAL DATA SHEET TT DUPLEX SOFTENERS

CLACK WS1CI TT

Dimensions (cm)



resin Volume	valve H1	vessel H2	brine tank H3	softener Ht	Connection Ht	vessel B1	softener Bt	brine tank B2	weight (*) kg
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10 817	19	42	44	61	47	22	45	32 sq	35
20 835	19	89	84	108	94	22	45	44 sq	56
30 1035	19	89	84	108	94	27	64	44 sq	75
40 1044	19	112	84	131	117	27	64	44 sq	96
50 1054	19	139	84	158	144	27	64	44 sq	115
60 1248	19	123	83	142	128	32	77	67ø	147
75 1354	19	140	101	159	145	34	80	76ø	180
100 1465	19	168	93	187	173	37	92	87ø	235
125 1465	19	168	93	187	173	37	92	87ø	280
150 1665	19	167	124	186	172	41	96	87ø	340
200 1865	19	179	124	198	184	51	119	87ø	440

(*) total weight of the unit without water or filled brine tank

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

General conditions for installation

Connection IN & OUT:	1"
Option side mount:	N/A
Drain connection(*):	3/4" or 1" for DLFC flows over 10 gpm
Electrical rating:	230V 50Hz 12V Transferr
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	10	20	30	40	50	60	75	100	125	150	200
Capacity Kg CaCO ₃	0.5	1	1.5	2	2.5	3	3.8	5	6.3	7.5	10
M ³ @ 300ppm	1.6	3.3	5	6.6	8.3	10	13	17	21	25	33
Salt consumption	1.5	3	4.5	6	7.5	9	11	15	19	23	30

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 :	65	65	79	71	81	73	75	97	97	82	95
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Remarks

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

Flow rate

Litres of resin	10	20	30	40	50	60	75	100	125	150	200
Nominal M ³ /h	0.4	0.8	1.2	1.6	2	2.4	3	4	5	6	6.4
Minimum L/h	60	60	60	60	60	60	60	60	60	60	60

Consumption of rinse water (Litres)

Litres of resin	10	20	30	40	50	60	75	100	125	150	200
1.Backwash	32	32	52	52	52	74	95	95	95	132	170
2.Brining + Slow rinse	72	67	124	102	110	153	188	263	246	282	440
4.Fast rinse	39	39	62	62	62	89	114	114	114	159	204
Total ***	143	138	238	216	224	316	397	472	455	573	814

(**) Figures based on 60 PSI pressure.

10/12/2018