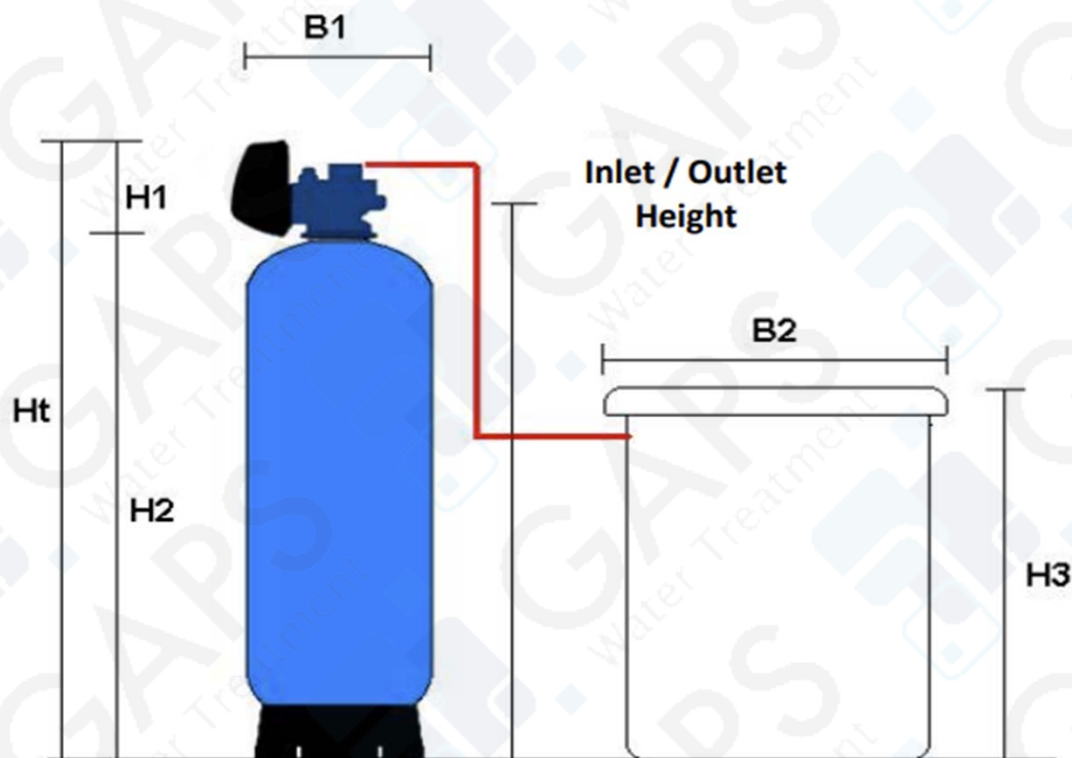


TECHNICAL DATA SHEET SIMPLEX SOFTENERS

CLACK WS1.25 CI

Dimensions (cm)



Resin litres	Valve H1	Vessel H2	Vessel H3	Brine Tank Ht	Inlet/Outlet Height	Vessel B1	Brine Tank B2	Weight Kg*
75 1354	19	140	83	159	145	34	67Ø	90
100 1475	19	168	83	187	173	37	67Ø	118
125 1475	19	168	83	187	173	37	67Ø	140
150 1655	19	167	101	186	173	41	76Ø	175
200 1865	19	179	93	198	184	51	87Ø	230

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:	1 1/4"
Option side mount:	n/a
Drain connection(*):	3/4" or 1" fro DLFC flows over 10 GPM
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 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)

Resin volume (litres)	75	100	125	150	200
Capacity CaCO ₃ (kg)	3.8	5	6.3	7.5	10
Capacity at 300 ppm CaCO ₃ (m ³)	13	17	21	25	33
Salt usage / regeneration (kg)	11	15	19	22.5	30

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)	75	100	125	150	200
Total time (mins)	75	97	97	82	95

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)	75	100	125	150	200
Nominal (m ³ /hr)	3	4	5	6	8
Minimum (LPH)	60				

Consumption of Rinse Water

Resin volume (litres)	75	100	125	150	200
1. Backwash (litres)	95	95	95	132	170
2. Brining + slow rinse (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 60PSI pressure.