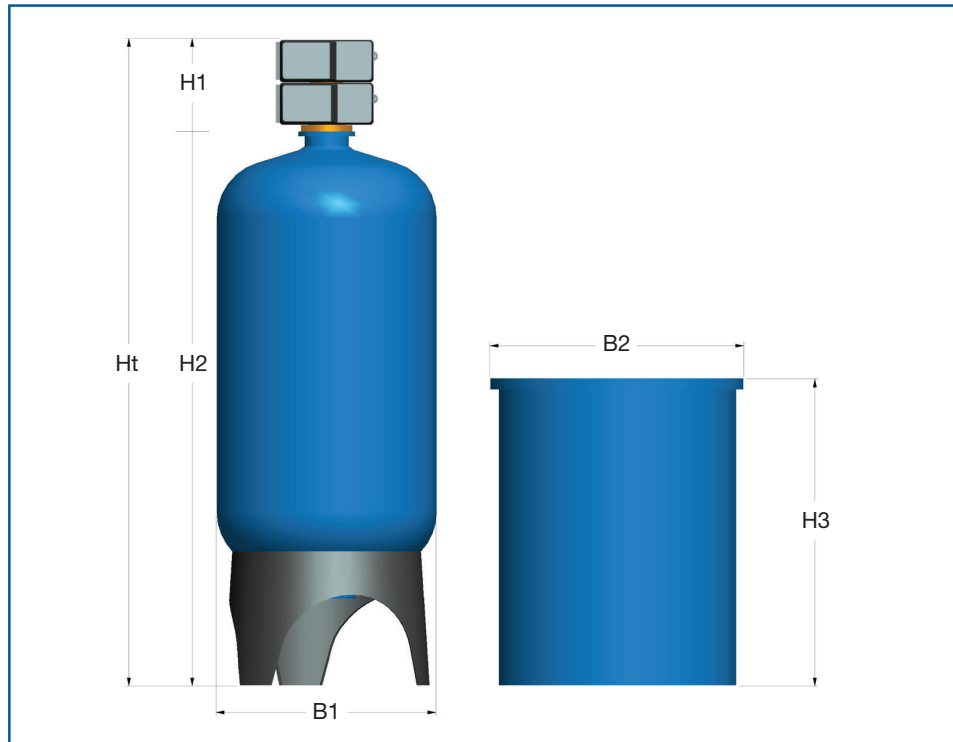


Fleck Simplex 3900



Dimensions (mm)							
Resin Litres	Valve H1	Vessel H2	Vessel B1	Brine Tank H3	Brine Tank B2	Softener Ht	Inlet/Outlet
400	395	2300	770	1230	860	2745	3"
500	395	2300	770	1230	860	2745	3"
600	395	2350	927	1100	1000	2795	3"
700	395	2350	927	1100	1000	2795	3"
800	395	2350	927	1100	1000	2795	3"
900	395	2435	1074	1290	1070	2880	3"
1000	395	2435	1074	1290	1070	2880	3"
1100	395	2435	1074	1500	1260	2880	3"
1200	395	2450	1226	1500	1260	2895	3"
1300	395	2450	1226	1500	1260	2895	3"

General conditions for installation

Connection Inlet & Outlet	: 3" BSPF
Drain Connection *	: 2" BSPM
Electrical Rating	: 230-24V / 50 Hz
Power Rating	: 340 watts
Minimum Inlet Pressure	: 200 kPa (2 Bar)
Maximum Inlet Pressure	: 700 kPa (7 Bar)
Vacuum	: Not permitted
Average Pressure Loss **	: 100 kPa (1 Bar)
Maximum Water Temperature	: 43°C

* Open drain required

** It is recommended that a 20µm Pre-cartridge filter be installed prior to the inlet of the water softener

Fleck Simplex 3900

Resin

Type : Strong acid cation resin - softening, food grade quality
Life Span : 15 years under normal operating conditions

Ion exchange											
Litres of Resin		400	500	600	700	800	900	1000	1100	1200	1300
Softener Capacity as CaCO ₃	200ppm	100m ³	125m ³	150m ³	175m ³	200m ³	225m ³	250m ³	275m ³	300m ³	325m ³
	250ppm	80m ³	100m ³	120m ³	140m ³	160m ³	180m ³	200m ³	220m ³	240m ³	260m ³
	300ppm	66.6m ³	83.3m ³	100m ³	116.6m ³	133m ³	150m ³	166m ³	183m ³	200m ³	216m ³
Salt Consumption	kg/reg.	48	60	72	84	96	108	120	132	144	156

Flow rate											
Litres of Resin		400	500	600	700	800	900	1000	1100	1200	1300
nominal m ³ /hr		14	18	21	25	28	32	35	39	42	42
peak m ³ /hr		16	20	24	28	32	36	40	44	48	48
minimum metered		1660 Litres/Hour									

Regeneration

Time Clock Version : 7 or 12 days (2.00am default time regeneration)
Volume Delayed or Immediate : NXT Electronic
Manual : Manual operation as required

Remarks:

The interval between regenerations should not be more than 4 days, this is to prevent bacteria growth.
Regenerations should be more than 8 hours apart.

Regeneration water usage											
Litres of Resin		400	500	600	700	800	900	1000	1100	1200	1300
1) Backwash	Litres	950	950	950	1330	1330	1900	1900	2660	2660	2660
2) Brining + Slow Rinse	Litres	450	650	870	790	1240	1090	1190	1250	1340	1820
3) Fast Rinse	Litres	1330	1330	1520	2130	2130	3040	3040	4250	4250	4250
Total		2730	2930	3340	4250	4700	6030	6130	8160	8250	8730