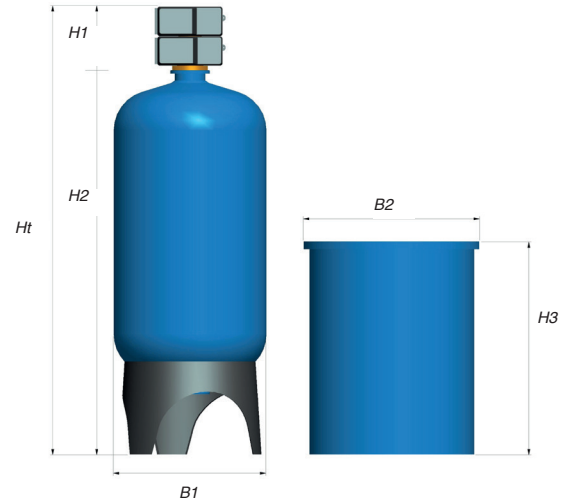


Fleck Simplex 3900



General conditions for installation

Connection Inlet & Outlet	3" BSPF
Drain Connection *	2" BSPF
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 to install a 25µm prefilter prior to the inlet of the water softener. Please consult our Cintropur range of filters.

Dimensions (mm)

Resin Litres	Valve H1	Vessel H2	Vessel B1	Brine Tank H3	Brine Tank B2	Softener Ht	Inlet/ Outlet
600	395	2350	927	1315	960	2795	3"
700	395	2350	927	1315	960	2795	3"
800	395	2350	927	1315	960	2795	3"
900	395	2435	1074	1310	1205	2880	3"
1000	395	2435	1074	1310	1205	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"

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 200ppm	100m ³	125m ³	150m ³	175m ³	200m ³	225m ³	250m ³	275m ³	300m ³	325m ³
as CaCO³ 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 m³/hr	14	18	21	25	28	32	35	39	42	42
Peak m³/hr	16	20	24	28	32	36	40	44	48	48
Minimum Metered	780 Litres/Hour									

Regeneration

Time Clock Version NXT2 Time Clock

Volume Delayed or Immediate NXT2 Meter

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	150	150	210	270	380	570	570	950	950	835
2) Brining + Slow Rinse Litres	345	345	325	450	465	475	620	650	910	1805
3) Fast Rinse Litres	190	190	270	370	530	800	800	1330	1330	1340
Total	685	685	805	1090	1375	1845	1990	2930	3190	3980