



FLECK SIMPLEX 3900

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"

3900 NXT2 TIME CLOCK	
FLS39NXTC600	600 Litre, NXT2 Time Clock , 36" x 78" tank, BT 650, 21m ³ /hr
FLS39NXTC700	700 Litre, NXT2 Time Clock , 36" x 78" tank, BT 650, 25m ³ /hr
FLS39NXTC800	800 Litre, NXT2 Time Clock , 36" x 78" tank, BT 650, 28m ³ /hr
FLS39NXTC900	900 Litre, NXT2 Time Clock , 42" x 78" tank, BT 1000, 32m ³ /hr
FLS39NXT1000	1000 Litre, NXT2 Time Clock , 42" x 78" tank, BT 1000, 35m ³ /hr
FLS39NXT1100	1100 Litre, NXT2 Time Clock , 42" x 78" tank, BT 1750, 39m ³ /hr
FLS39NXT1200	1200 Litre, NXT2 Time Clock , 48" x 82" tank, BT 1750, 42m ³ /hr
FLS39NXT1300	1300 Litre, NXT2 Time Clock , 48" x 82" tank BT 1750, 42m ³ /hr

3900 NXT2 METER CONTROLLED	
FLS39NXT600	600 Litre, NXT2 Meter Controlled, 36" x 78" tank, BT 650, 21m ³ /hr
FLS39NXT700	700 Litre, NXT2 Meter Controlled, 36" x 78" tank, BT 650, 25m ³ /hr
FLS39NXT800	800 Litre, NXT2 Meter Controlled, 36" x 78" tank, BT 650, 28m ³ /hr
FLS39NXT900	900 Litre, NXT2 Meter Controlled, 42" x 78" tank, BT 1000, 32m ³ /hr
FLS39NXT1000	1000 Litre, NXT2 Meter Controlled, 42" x 78" tank, BT 1000, 35m ³ /hr
FLS39NXT1100	1100 Litre, NXT2 Meter Controlled, 42" x 78" tank, BT 1750, 39m ³ /hr
FLS39NXT1200	1200 Litre, NXT2 Meter Controlled, 48" x 82" tank, BT 1750, 42m ³ /hr
FLS39NXT1300	1300 Litre, NXT2 Meter Controlled, 48" x 82" tank BT 1750, 42m ³ /hr

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 to install a 25µm prefilter prior to the inlet of the water softener.
Please consult our Cintropur range of filters - page 202

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 CaCO 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		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