



## FLECK SIMPLEX 2850

DIMENSIONS (MM)							
Resin Litres	Valve H1	Vessel H2	Vessel B1	Brine Tank H3	Brine Tank B2	Softener Ht	Inlet/ Outlet
100	220	1660	369	830	670	1880	1½"
125	220	1660	369	830	670	1880	1½"
150	220	1660	406	1185	805	1880	1½"
200	220	1640	552	1185	805	1880	1½"
250	220	1640	552	1185	805	1860	1½"
300	220	1890	610	1185	805	2110	1½"
350	220	1890	610	1185	805	2110	1½"
400	220	2050	770	1315	960	2270	1½"
500	220	2050	770	1315	960	2270	1½"

2850 SXT TIME CLOCK	
FLS28SXTC100	100 Litre, SXT Time Clock , 14" x 65" tank, BT 200, 3.9m <sup>3</sup> /hr
FLS28SXTC125	125 Litre, SXT Time Clock , 14" x 65" tank, BT 200, 4.4m <sup>3</sup> /hr
FLS28SXTC150	150 Litre, SXT Time Clock , 16" x 65" tank, BT 300, 5.3m <sup>3</sup> /hr
FLS28SXTC200	200 Litre, SXT Time Clock , 21" x 60" tank, BT 300, 7.0m <sup>3</sup> /hr
FLS28SXTC250	250 Litre, SXT Time Clock , 21" x 60" tank, BT 300, 8.8m <sup>3</sup> /hr
FLS28SXTC300	300 Litre, SXT Time Clock , 24" x 69" tank, BT 300, 10m <sup>3</sup> /hr
FLS28SXTC350	350 Litre, SXT Time Clock , 24" x 69" tank, BT 300, 10m <sup>3</sup> /hr
FLS28SXTC400	400 Litre, SXT Time Clock , 30" x 72" tank, BT 650, 10m <sup>3</sup> /hr
FLS28SXTC500	500 Litre, SXT Time Clock , 30" x 72" tank, BT 650, 10m <sup>3</sup> /hr

2850SXT METER CONTROLLED	
FLS28SXT100	100 Litre, SXT Meter Controlled, 14" x 65" tank, BT 200, 3.9m <sup>3</sup> /hr
FLS28SXT125	125 Litre, SXT Meter Controlled, 14" x 65" tank, BT 200, 4.4m <sup>3</sup> /hr
FLS28SXT150	150 Litre, SXT Meter Controlled, 16" x 65" tank, BT 300, 5.3m <sup>3</sup> /hr
FLS28SXT200	200 Litre, SXT Meter Controlled, 21" x 60" tank, BT 300, 7.0m <sup>3</sup> /hr
FLS28SXT250	250 Litre, SXT Meter Controlled, 21" x 60" tank, BT 300, 8.8m <sup>3</sup> /hr
FLS28SXT300	300 Litre, SXT Meter Controlled, 24" x 69" tank, BT 300, 10m <sup>3</sup> /hr
FLS28SXT350	350 Litre, SXT Meter Controlled, 24" x 69" tank, BT 300, 10m <sup>3</sup> /hr
FLS28SXT400	400 Litre, SXT Meter Controlled, 30" x 72" tank, BT 650, 10m <sup>3</sup> /hr
FLS28SXT500	500 Litre, SXT Meter Controlled, 30" x 72" tank, BT 650, 10m <sup>3</sup> /hr

OPTIONS	
6108998924	Auxiliary Microswitch

Please note: NBP - No By Pass - option would be supplied with NXT controllers. Price and availability on request.

## GENERAL CONDITIONS FOR INSTALLATION

Connection Inlet & Outlet	1½" BSPF
Drain Connection *	¾" BSPF
Electrical Rating	230-24V / 50 Hz
Power Rating	55 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 - pages 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	100	125	150	200	250	300	350	400	500
Softener Capacity 200ppm	25m <sup>3</sup>	31.2m <sup>3</sup>	37.5m <sup>3</sup>	50m <sup>3</sup>	62.5m <sup>3</sup>	75m <sup>3</sup>	87.5m <sup>3</sup>	100m <sup>3</sup>	125m <sup>3</sup>
as CaCO <sup>3</sup> 250ppm	20m <sup>3</sup>	25m <sup>3</sup>	30m <sup>3</sup>	40m <sup>3</sup>	50m <sup>3</sup>	60m <sup>3</sup>	70m <sup>3</sup>	80m <sup>3</sup>	100m <sup>3</sup>
300ppm	16.6m <sup>3</sup>	20.8m <sup>3</sup>	25m <sup>3</sup>	33.3m <sup>3</sup>	41.6m <sup>3</sup>	50m <sup>3</sup>	58.3m <sup>3</sup>	66.6m <sup>3</sup>	83.3m <sup>3</sup>
Salt Consumption kg/reg.	13	15	18	26	31	36	46	51	61

### FLOW RATE

Litres of Resin	100	125	150	200	250	300	350	400	500
nominal m <sup>3</sup> /hr	3.9	4.4	5.3	7.0	8.8	10.0	9.0	9.0	9.0
peak m <sup>3</sup> /hr	4.6	5.0	6.0	8.0	10	11	11	11	11
minimum metered	300 Litres/Hour								

## REGENERATION

Volume Delayed or Immediate	SXT Meter (NBP - NXT2 only - POA)
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	100	125	150	200	250	300	350	400	500
1) Backwash Litres	150	150	210	270	380	570	570	950	950
2) Brining + Slow Rinse Litres	250	335	350	440	430	320	765	780	935
3) Fast Rinse Litres	190	190	270	370	530	800	800	1330	1330
Total	590	675	830	1080	1340	1690	2135	3060	3215