



## FLECK SIMPLEX 5600

DIMENSIONS (MM)							
Resin Litres	Valve H1	Vessel H2	Vessel B1	Brine Tank H3	Brine Tank B2	Softener Ht	Inlet/ Outlet
10	186	449	208	780	430	635	3/4"
15	186	904	208	780	430	1090	3/4"
20	186	904	208	780	430	1090	3/4"
25	186	905	233	780	430	1091	3/4"
30	186	905	257	780	430	1091	3/4"
35	186	1124	257	780	430	1310	3/4"
40	186	1124	257	780	430	1310	3/4"
50	186	1387	257	780	430	1573	3/4"
60	186	1235	304	780	430	1421	3/4"
75	186	1374	334	830	670	1560	3/4"

5600 SXT METER CONTROLLED	
FLS56SXT10	10 Litre, SXT Meter Controlled , 8" x 18" tank, BT105, 0.4m <sup>3</sup> /hr
FLS56SXT15	15 Litre, SXT Meter Controlled , 8" x 35" tank, BT 105, 0.6m <sup>3</sup> /hr
FLS56SXT20	20 Litre, SXT Meter Controlled , 8" x 35" tank, BT 105, 0.8m <sup>3</sup> /hr
FLS56SXT25	25 Litre, SXT Meter Controlled , 9" x 35" tank, BT 105, 1.0m <sup>3</sup> /hr
FLS56SXT30	30 Litre, SXT Meter Controlled , 10" x 35" tank, BT 105, 1.2m <sup>3</sup> /hr
FLS56SXT35	35 Litre, SXT Meter Controlled , 10" x 44" tank, BT 105, 1.4m <sup>3</sup> /hr
FLS56SXT40	40 Litre, SXT Meter Controlled , 10" x 44" tank, BT 105, 1.6m <sup>3</sup> /hr
FLS56SXT50	50 Litre, SXT Meter Controlled , 10" x 54" tank, BT 105, 2.0m <sup>3</sup> /hr
FLS56SXT60	60 Litre, SXT Meter Controlled , 12" x 48" tank, BT 105, 2.4m <sup>3</sup> /hr
FLS56SXT75	75 Litre, SXT Meter Controlled , 13" x 54" tank, BT 200, 3.0m <sup>3</sup> /hr

## GENERAL CONDITIONS FOR INSTALLATION

Connection Inlet & Outlet	3/4" BSPM
Drain Connection *	1/2" Hose
Electrical Rating	230-24V / 50 Hz
Power Rating	8 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		10	15	20	25	30	35	40	50	60	75
Softener Capacity	200ppm	2.5m <sup>3</sup>	3.7m <sup>3</sup>	5.0m <sup>3</sup>	6.2m <sup>3</sup>	7.5m <sup>3</sup>	8.7m <sup>3</sup>	10m <sup>3</sup>	12.5m <sup>3</sup>	15m <sup>3</sup>	18.7m <sup>3</sup>
as CaCO <sup>3</sup>	250ppm	2.0m <sup>3</sup>	3.0m <sup>3</sup>	4.0m <sup>3</sup>	5.0m <sup>3</sup>	6.0m <sup>3</sup>	7.0m <sup>3</sup>	8.0m <sup>3</sup>	10m <sup>3</sup>	12m <sup>3</sup>	15m <sup>3</sup>
	300ppm	1.6m <sup>3</sup>	2.5m <sup>3</sup>	3.3m <sup>3</sup>	4.1m <sup>3</sup>	5.0m <sup>3</sup>	5.8m <sup>3</sup>	6.6m <sup>3</sup>	8.3m <sup>3</sup>	10m <sup>3</sup>	12.5m <sup>3</sup>
Salt Consumption	kg/reg.	1.2	1.8	2.4	3	3.6	4.2	4.8	6	7.2	9

### FLOW RATE

Litres of Resin		10	15	20	25	30	35	40	50	60	75
nominal m <sup>3</sup> /hr		0.4	0.6	0.8	1.0	1.2	1.4	1.6	2.0	2.4	3.0
minimum metered		60 Litres/Hour									

## REGENERATION

Time Clock Version	SXT Time Clock
Volume Delayed or Immediate	SXT 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		10	15	20	25	30	35	40	50	60	75
1) Backwash	Litres	20	30	40	45	45	75	75	75	105	150
2) Brining + Slow Rinse	Litres	30	30	45	30	45	55	85	130	120	160
3) Fast Rinse	Litres	20	30	40	75	75	95	95	95	135	150
	Total	70	90	125	150	165	225	255	300	360	460