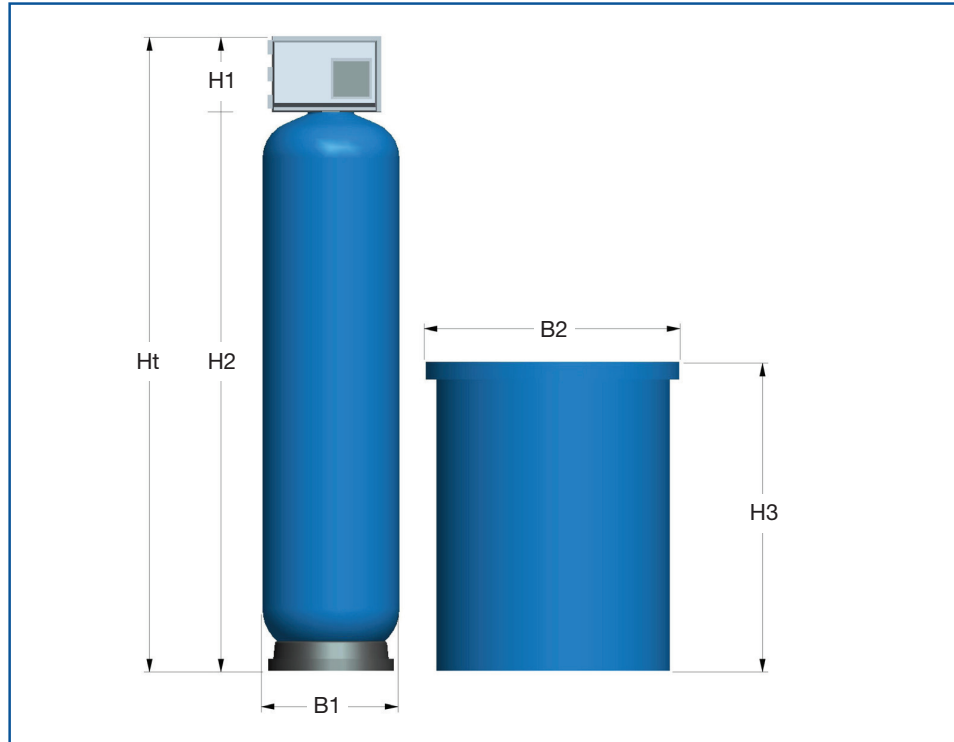


# Fleck Simplex 2850



## 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	1000	760	1880	1½"
200	220	1640	552	1000	760	1880	1½"
250	220	1640	552	930	870	1860	1½"
300	220	1890	610	930	870	1860	1½"
350	220	1890	610	930	870	2110	1½"
400	220	2050	770	1230	860	2270	1½"
500	220	2050	770	1230	860	2270	1½"

## 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 that a 20µm Pre-cartridge filter be installed prior to the inlet of the water softener



# Fleck Simplex 2850

## 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 as CaCO <sub>3</sub>	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>
	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

Time Clock Version : 7 or 12 days ( 2.00am default time regeneration )  
 Volume Delayed or Immediate : 20,40 or 100m<sup>3</sup> ( delayed 2.00am default time regeneration )  
 : SE/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		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

