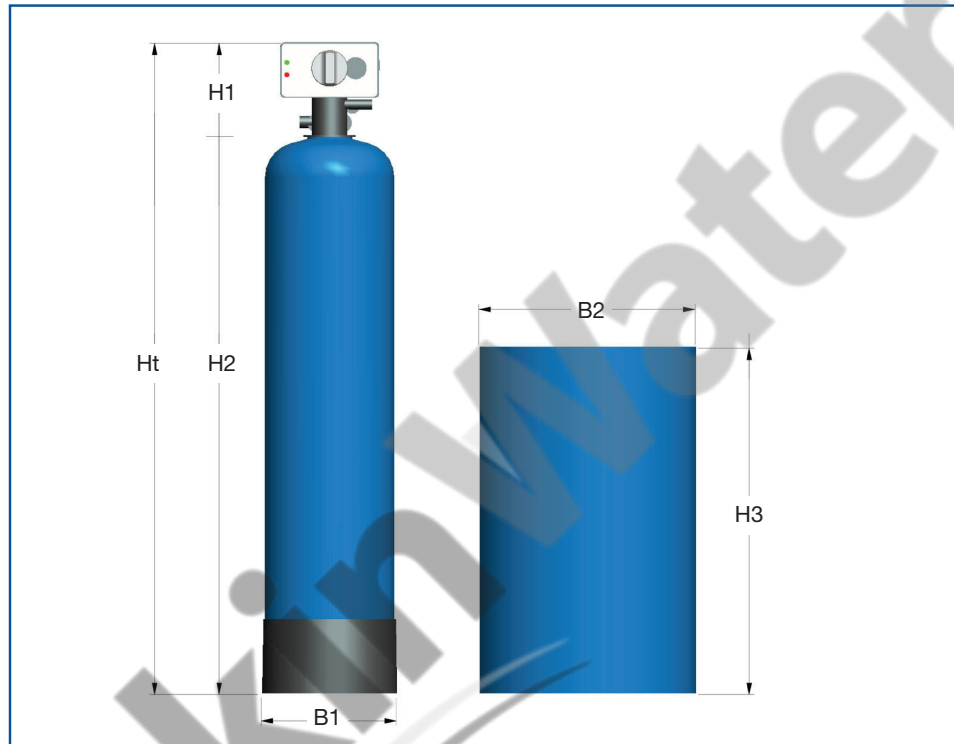


# Fleck Simplex 5600



## 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	¾"
15	186	904	208	780	430	1090	¾"
20	186	904	208	780	430	1090	¾"
25	186	905	233	780	430	1091	¾"
30	186	905	257	780	430	1091	¾"
35	186	1124	257	780	430	1310	¾"
40	186	1124	257	780	430	1310	¾"
50	186	1387	257	780	430	1573	¾"
60	186	1235	304	780	430	1421	¾"
75	186	1374	334	830	670	1560	¾"

## General conditions for installation

Connection Inlet & Outlet	: ¾" BSPM
Drain Connection *	: ½" 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 that a 20µm Pre-cartridge filter be installed prior to the inlet of the water softener



# Fleck Simplex 5600

## 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 as CaCO <sup>3</sup>	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>
	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 : 7 or 12 days ( 2.00am default time regeneration )  
 Volume Delayed or Immediate ¾" Meter : 8 or 40m<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		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

