

TECHNICAL DATA SHEET CABINET SOFTENERS

FLECK Simplex 5600 / 4600

General conditions for installation

Connection Inlet & Outlet	: ¾" BSPM
Drain Connection	: ½" Hose barb
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)
5600 Maximum Water Temperature	: 43° c
4600 Maximum Water Temperature	: 65° c

Resin

Type	: Strong acid cation resin - softening, food grade quality
Life Span	: 15 years under normal operating conditions

Ion exchange

Litres of Resin		10	12	18	20	25	30
Softener Capacity as CaCO ³	200ppm	2.5m ³	3.0m ³	4.5m ³	5.0m ³	6.2m ³	7.5m ³
	250ppm	2.0m ³	2.4m ³	3.6m ³	4.0m ³	5.0m ³	6.0m ³
	300ppm	1.7m ³	2.0m ³	3.0m ³	3.3m ³	4.1m ³	5.0m ³
Salt Consumption	kg/reg.	1.2	1.5	2.2	2.4	3	3.6

Flow rate

Litres of Resin		10	12	18	20	25	30
nominal minimum metered	Lph	400	480	720	800	1000	1200
		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 ³ (delayed 2.00am default time regeneration)
	: SE Meter
Manual	: manual operation as required

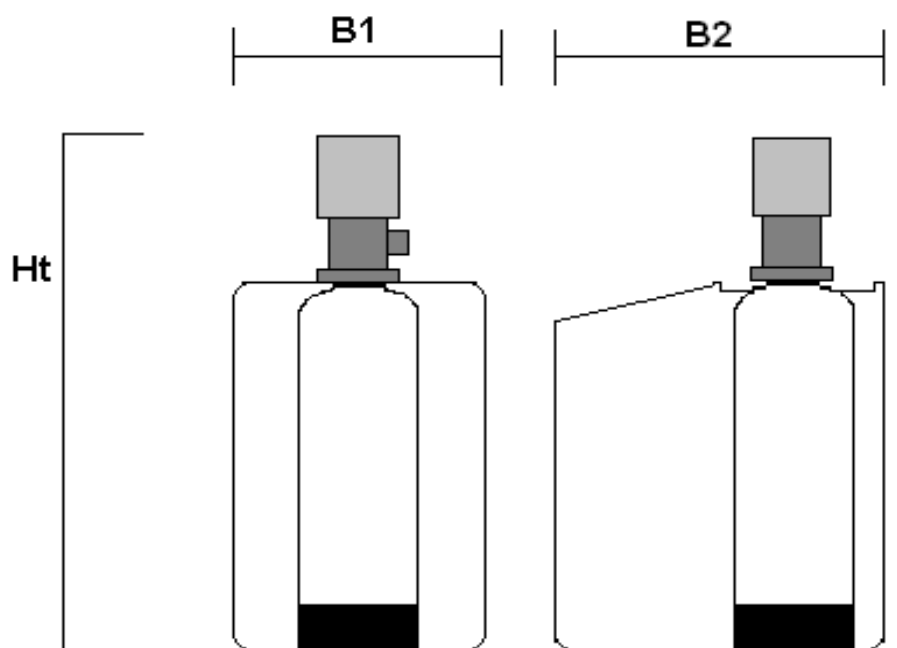
Remarks:

The interval between regenerations should not be more than 4 days, this is to prevent bacteria growth.
Regenerations should not be less than 8 hours apart.

Regeneration water usage

Litres of Resin		10	12	18	20	25	30
1) Backwash	Litres	60	60	60	60	80	80
2) Brining + Slow Rinse	Litres	60	60	60	60	90	90
3) Fast Rinse	Litres	60	60	60	60	60	80
	Total	180	180	180	180	210	250

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FLECK Simplex 5600 / 4600**Dimensions (mm)**

Resin Litres	Cabinet Width B1	Cabinet Depth B2	Overall Height Ht	Inlet / Outlet	With or Without Hood
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5600 SOFTENERS

10	270	430	636	¾" BSPM	Without Hood
12	322	522	806	¾" BSPM	With Hood
18	322	522	1190	¾" BSPM	With Hood
20	322	522	1190	¾" BSPM	With Hood
25	322	522	1190	¾" BSPM	With Hood
30	322	522	1190	¾" BSPM	With Hood

4600 HOT WATER SOFTENERS

10	270	430	636	¾" BSPM	Without Hood
12	322	522	806	¾" BSPM	With Hood
20	322	522	1190	¾" BSPM	With Hood
30	322	522	1190	¾" BSPM	With Hood