

TECHNICAL DATA SHEET DOMESTIC SOFTENERS

FLECK Simplex 5600

General conditions for installation

Connection Inlet & Outlet : ¾" BSPM (Plastic) - Brass yokes available on request
 Drain Connection(*) : 1/2" 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)
 Maximum Water Temperature : 43° c

Resin

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

Ion exchange

Litres Of Resin		10	12	18	25	30
Exchange capacity	kg CaCO ₃	0.4	0.5	0.7	1.0	120.0
	°Fm ³	40	48	72	100	120
	dH m ³	22	27	40	56	67
Salt Consumption	kg/reg.	1.5	1.6	2.2	3.2	3.8

Flow rate

Litres Of Resin		10	12	18	25	30
nominal	m ³ /h	0.6	0.7	0.9	1.3	1.5
	peak	0.8	1.0	1.2	1.5	1.8
	minimal (volumetric)	60 Litres/Hour				

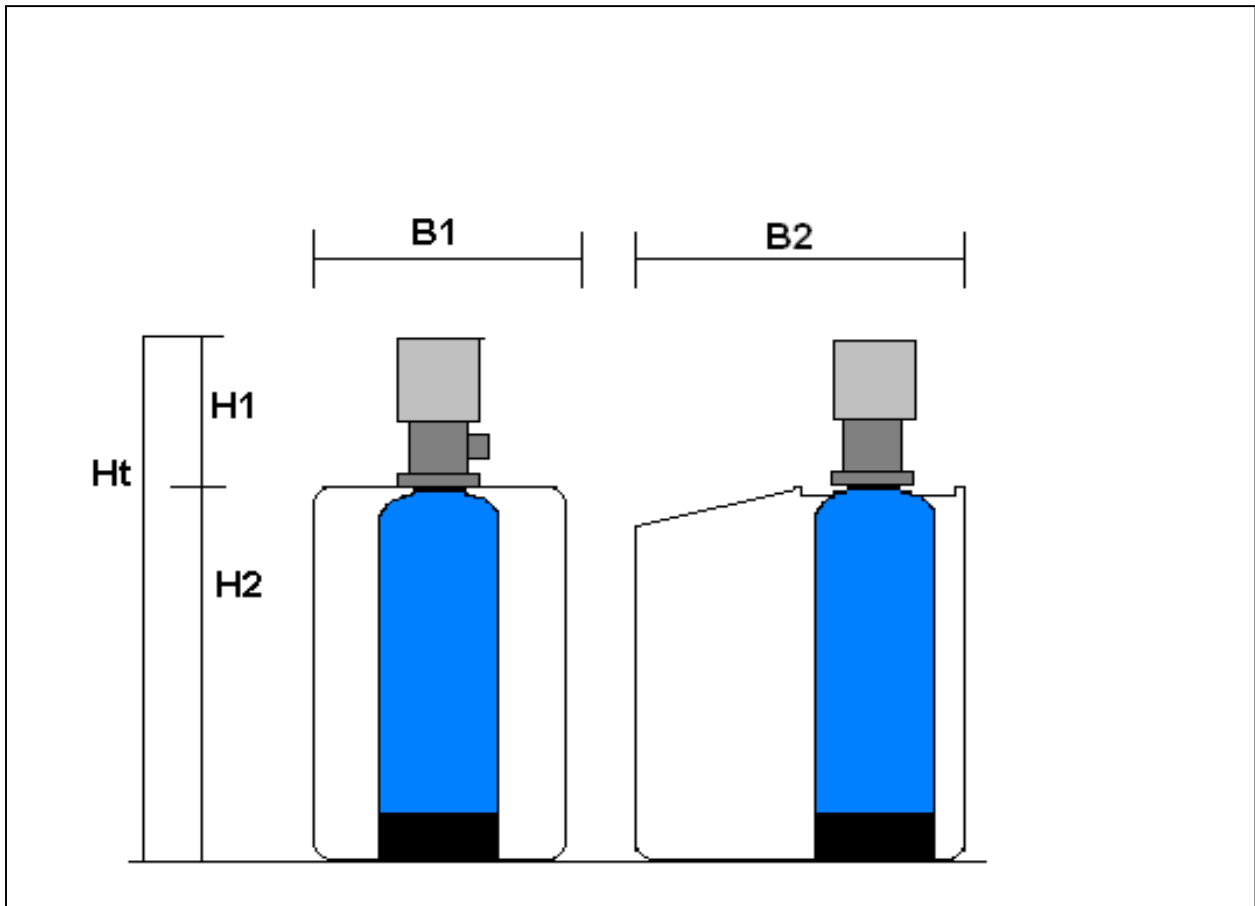
Regeneration

Start : 2:00 am default regeneration
 Manual : manual operation as required
 Time Clock Version : 7 or 12 days
 Volume Delayed Or Immediate : ¾" Meter : 8 or 40m³
 : SE Meter

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

Consumption of rinse water

Litres Of Resin		10	12	18	25	30
1) Backwash	L	60	60	60	80	80
2) Brining + Slow rinse	L	60	60	60	90	90
3) Fast rinse	L	60	60	60	60	80
Total	L/reg.	180	180	180	210	250

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Dimensions (mm)


Resin Litres	Valve H1	Cabinet Height H2	Cabinet Width B1	Cabinet Depth B2	Overall Height Ht	Inlet / Outlet
10	186	450	270	430	636	3/4" BSPM
12	186	450	270	430	636	3/4" BSPM
18	186	1130	310	425	1316	3/4" BSPM
25	186	1130	320	480	1316	3/4" BSPM
30	186	1127	316	559	1313	3/4" BSPM