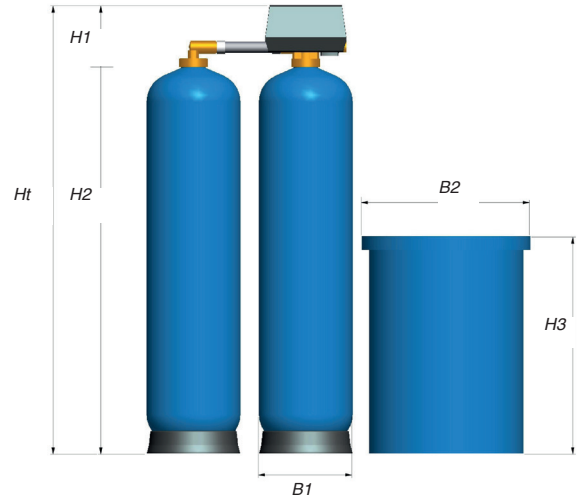


# Fleck Duplex 9000



## General conditions for installation

Connection Inlet & Outlet	1" BSPF
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 to install a 25µm prefilter prior to the inlet of the water softener. Please consult our Cintropur range of filters.

## Dimensions (mm)

Resin Litres	Valve H1	Vessel H2	Vessel B1	Brine Tank H3	Brine Tank B2	Softener Ht	Inlet/ Outlet
10	170	449	208	780	590	619	1"
20	170	904	208	780	590	1074	1"
25	170	905	233	780	590	1075	1"
30	170	905	257	780	590	1075	1"
40	170	1124	257	830	670	1294	1"
50	170	1387	257	830	670	1557	1"
60	170	1235	304	830	670	1405	1"
75	170	1374	334	1185	805	1544	1"
100	170	1660	369	1185	805	1830	1"
120	170	1660	369	1315	960	1830	1"
140	170	1660	406	1315	960	1830	1"

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## Resin

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

### Ion exchange

Litres of Resin		10	20	25	30	40	50	60	75	100	120	140
Softener Capacity	200ppm	2.5m <sup>3</sup>	5.0m <sup>3</sup>	6.2m <sup>3</sup>	7.5m <sup>3</sup>	10m <sup>3</sup>	12.5m <sup>3</sup>	15m <sup>3</sup>	18.7m <sup>3</sup>	25m <sup>3</sup>	30m <sup>3</sup>	35m <sup>3</sup>
as CaCO <sup>3</sup>	250ppm	2.0m <sup>3</sup>	4.0m <sup>3</sup>	5.0m	6.0m <sup>3</sup>	8.0m <sup>3</sup>	10m <sup>3</sup>	12m <sup>3</sup>	15m <sup>3</sup>	20m <sup>3</sup>	24m <sup>3</sup>	28m <sup>3</sup>
	300ppm	1.6m <sup>3</sup>	3.3m <sup>3</sup>	4.1m <sup>3</sup>	5.0m <sup>3</sup>	6.6m <sup>3</sup>	8.3m <sup>3</sup>	10m <sup>3</sup>	12.5m <sup>3</sup>	16.6m <sup>3</sup>	20m <sup>3</sup>	23.3m <sup>3</sup>
Salt Consumption	kg/reg.	1.2	2.4	3.0	3.6	4.8	6.0	7.2	9.0	12.0	14.4	16.8

### Flow rate

Litres of Resin		10	20	25	30	40	50	60	75	100	120	140
Nominal m <sup>3</sup> /hr		0.5	1.0	1.3	1.5	1.8	2.3	2.7	3.0	3.0	3.5	3.5
Peak m <sup>3</sup> /hr		0.6	1.2	1.5	1.8	2.2	2.5	3.3	4.0	4.0	4.7	4.7
Minimum Metered		60 Litres/Hour (3/4" Meter) - 160 Litres/Hour (1" Meter)										

## Regeneration

Start	Immediately after reaching the set capacity
Manual	Manual operation as required
Volume Immediate	SXT Meter

### 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	20	25	30	40	50	60	75	100	120	140
1) Backwash	Litres	15	25	45	45	75	75	105	120	150	150	215
2) Brining + Slow Rinse	Litres	20	50	60	80	110	150	180	220	290	390	485
3) Fast Rinse	Litres	25	45	60	60	75	75	105	120	190	190	265
	Total	60	120	165	185	260	300	390	460	630	730	965