



FLECK DUPLEX 9100

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"
15	170	903	184	780	590	1073	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"
35	170	1124	257	830	670	1294	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"

9100 SXT METER CONTROLLED	
FLD91SXT10	10 Litre, SXT Meter Controlled, 8" x 18" tank, BT 130, 0.5m ³ /hr
FLD91SXT15	15 Litre, SXT Meter Controlled, 7" x 35" tank, BT 130, 0.8m ³ /hr
FLD91SXT20	20 Litre, SXT Meter Controlled, 8" x 35" tank, BT 130, 1.0m ³ /hr
FLD91SXT25	25 Litre, SXT Meter Controlled, 9" x 35" tank, BT 130, 1.3m ³ /hr
FLD91SXT30	30 Litre, SXT Meter Controlled, 10" x 35" tank, BT 130, 1.5m ³ /hr
FLD91SXT35	35 Litre, SXT Meter Controlled, 10" x 44" tank, BT 200, 1.6m ³ /hr
FLD91SXT40	40 Litre, SXT Meter Controlled, 10" x 44" tank, BT 200, 1.8m ³ /hr
FLD91SXT50	50 Litre, SXT Meter Controlled, 10" x 54" tank, BT 200, 2.3m ³ /hr
FLD91SXT60	60 Litre, SXT Meter Controlled, 12" x 48" tank, BT 200, 2.7m ³ /hr
FLD91SXT75	75 Litre, SXT Meter Controlled, 13" x 54" tank, BT 300, 3.0m ³ /hr
FLD91SXT100	100 Litre, SXT Meter Controlled, 14" x 65" tank, BT 300, 3.0m ³ /hr

OPTIONS	
0401130003	Auxiliary Microswitch

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 - page 202

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	100
Softener Capacity	200ppm	2.5m ³	3.7m ³	5.0m ³	6.2m ³	7.5m ³	8.7m ³	10m ³	12.5m ³	15m ³	18.7m ³	25m ³
as CaCO ³	250ppm	2.0m ³	3.0m ³	4.0m ³	5.0m	6.0m ³	7.0m ³	8.0m ³	10m ³	12m ³	15m ³	20m ³
	300ppm	1.6m ³	2.5m ³	3.3m ³	4.1m ³	5.0m ³	5.8m ³	6.6m ³	8.3m ³	10m ³	12.5m ³	16.6m ³
Salt Consumption	kg/reg.	1.2	2.0	2.4	3.0	3.6	4.2	4.8	6.0	7.2	9.0	12.0

FLOW RATE												
Litres of Resin		10	15	20	25	30	35	40	50	60	75	100
nominal m ³ /hr		0.5	0.8	1.0	1.3	1.5	1.6	1.8	2.3	2.7	3.0	3.0
peak m ³ /hr		0.6	0.9	1.2	1.5	1.8	1.9	2.2	2.5	3.3	4.0	4.0
minimum metered		60 Litres/Hour										

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	15	20	25	30	35	40	50	60	75	100
1) Backwash	Litres	15	20	25	45	45	75	75	75	105	120	150
2) Brining + Slow Rinse	Litres	20	30	50	60	80	85	110	150	180	220	290
3) Fast Rinse	Litres	25	35	45	60	60	75	75	75	105	120	190
	Total	60	85	120	165	185	235	260	300	390	460	630