



FLECK DUPLEX 2910

DIMENSIONS (MM)							
Resin Litres	Valve H1	Vessel H2	Vessel B1	Brine Tank H3	Brine Tank B2	Softener Ht	Inlet/ Outlet
125	320	1660	369	1315	960	1980	2"
150	320	1660	406	1315	960	1980	2"
200	320	1640	552	1315	960	1960	2"
250	320	1640	552	1315	960	1960	2"
300	320	1890	610	1315	960	2210	2"
350	320	1890	610	1315	960	2210	2"
500	320	2050	770	1310	1205	2370	2"
600	320	2150	927	1500	1260	2470	2"
700	320	2150	927	1500	1260	2470	2"

2910 NXT2 METER CONTROLLED	
FLD29NXT125	125 Litre, NXT2 Meter Controlled, 14" x 65" tank, BT 650, 4.1m ³ /hr
FLD29NXT150	150 Litre, NXT2 Meter Controlled, 16" x 65" tank, BT 650, 5.0m ³ /hr
FLD29NXT200	200 Litre, NXT2 Meter Controlled, 21" x 60" tank, BT 650, 7.0m ³ /hr
FLD29NXT250	250 Litre, NXT2 Meter Controlled, 21" x 60" tank, BT 650, 8.8m ³ /hr
FLD29NXT300	300 Litre, NXT2 Meter Controlled, 24" x 69" tank, BT 650, 11m ³ /hr
FLD29NXT350	350 Litre, NXT2 Meter Controlled, 24" x 69" tank, BT 650, 12m ³ /hr
FLD29NXT500	500 Litre, NXT2 Meter Controlled, 30" x 72" tank, BT 1000, 18m ³ /hr
FLD29NXT600	600 Litre, NXT2 Meter Controlled, 36" x 72" tank, BT 1750, 18m ³ /hr
FLD29NXT700	700 Litre, NXT2 Meter Controlled, 36" x 72" tank, BT 1750, 18m ³ /hr

2910 ES2050 METER CONTROLLED	
FLD29ES125	125 Litre, ES2050 Meter Controlled, 14" x 65" tank, BT 650, 4.1m ³ /hr
FLD29ES150	150 Litre, ES2050 Meter Controlled, 16" x 65" tank, BT 650, 5.0m ³ /hr
FLD29ES200	200 Litre, ES2050 Meter Controlled, 21" x 60" tank, BT 650, 7.0m ³ /hr
FLD29ES250	250 Litre, ES2050 Meter Controlled, 21" x 60" tank, BT 650, 8.8m ³ /hr
FLD29ES300	300 Litre, ES2050 Meter Controlled, 24" x 69" tank, BT 650, 11m ³ /hr
FLD29ES350	350 Litre, ES2050 Meter Controlled, 24" x 69" tank, BT 650, 12m ³ /hr
FLD29ES500	500 Litre, ES2050 Meter Controlled, 30" x 72" tank, BT 1000, 18m ³ /hr
FLD29ES600	600 Litre, ES2050 Meter Controlled, 36" x 72" tank, BT 1750, 18m ³ /hr
FLD29ES700	700 Litre, ES2050 Meter Controlled, 36" x 72" tank, BT 1750, 18m ³ /hr

GENERAL CONDITIONS FOR INSTALLATION

Connection Inlet & Outlet	2" BSPF
Drain Connection *	3/4" BSPF
Electrical Rating	230-24V / 50 Hz
Power Rating	65 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		125	150	200	250	300	350	400	500	600	700
Softener Capacity	200ppm	31.2m ³	37.5m ³	50m ³	62.5m ³	75m ³	87.5m ³	100m ³	125m ³	150m ³	175m ³
as CaCO ³	250ppm	25m ³	30m ³	40m ³	50m ³	60m ³	70m ³	80m ³	100m ³	120m ³	100m ³
	300ppm	20.8m ³	25m ³	33.3m ³	41.6m ³	50m ³	58.3m ³	66.6m ³	83.3m ³	100m ³	116m ³
Salt Consumption	kg/reg.	15	18	24	30	36	42	48	60	72	84

FLOW RATE											
Litres of Resin		125	150	200	250	300	350	400	500	600	700
nominal m ³ /hr		4.4	5.3	7.0	8.8	11	12	14	18	18	18
peak m ³ /hr		5.0	6.0	8.0	10	12	14	16	20	20	20
minimum metered		660 Litres/Hour									

REGENERATION

Start		Immediately after reaching the set capacity
Manual		Manual operation as required
Option		ES2050 Electronic Controller
Meter Type	2" Remote Meter	NXT2 Electronic System 7
	2" Multi-Jet Meter	ES2050 Electronic Controller

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		125	150	200	250	300	350	400	500	600	700
1) Backwash	Litres	150	210	270	380	570	570	950	950	835	835
2) Brining + Slow Rinse	Litres	345	325	450	465	475	620	650	910	1120	1805
3) Fast Rinse	Litres	190	270	370	530	800	800	1330	1330	1340	1340
	Total	685	805	1090	1375	1845	1990	2930	3190	3295	3980