

System	Twin duplex softener
Valve	Fleck 9000-9100 DFL electronic timer
Range	Pallas condor
HSP setting	Extra low brining – Low brining – Medium brining
Resin	Monodisperse - no gravel

FLOW RATE

	2 x 6L	2 x 18L
Unit size	6	18
Nominal m ³ /h	0,4	1,1
Peak m ³ /h	1,5	1,5

REMARKS

To reduce the loss of pressure by strong water take during regeneration, the service flow rate during brine draw should better not exceed the nominal flow rate - the minimum inlet pressure may never be compromised.

ION EXCHANGE

	2 x 6L			2 x 18L		
	XLB	LB	MDB	XLB	LB	MDB
Unit size	6	6	6	18	18	18
Loading capacity						
kg CaCO ₃	0,19	0,25	0,26	0,98	1,05	1,21
°f x m ³	19	25	26	98	105	121
°dH x m ³	11	14	15	55	59	68
Salt consumption						
kg salt/regen.	0,5	0,6	0,8	1,6	1,9	2,2
Brine efficiency						
kg CaCO ₃ /kg salt	0,40	0,40	0,33	0,62	0,55	0,54

REMARKS

To meet the EN14743(4.4.2.) requirements for softeners, the brine efficiency must be at least 0,40 kg CaCO₃ (= 4 mol) /kg salt. The volumetric capacity must be decreased by the amount of rinse water, because the regeneration is done with softened water.

REGENERATION

	2 x 6L			2 x 18L		
	XLB	LB	MDB	XLB	LB	MDB
Unit size	6	6	6	18	18	18
Total minutes	20	25	30	55	65	75
Total liters	35	40	45	72	83	93
m ³ /kg CaCO ₃	0,18	0,16	0,17	0,07	0,08	0,08

REMARKS

To meet the EN14743(4.4.3.) requirements for softeners, the rinse water consumption may not be higher than 0,33 m³/ kg CaCO₃.

XLB = Extra Low Brining - LB = Low Brining - MDB = Medium Brining