

Product Flow Rate	1.5 m ³ /h
Module Type	LXM18
Number of Modules	1
Flow per Module	1.5 m ³ /h
Feedwater Conductivity @ 25°C	6.72 µS/cm
Feed water Conductivity Equivalent, including CO ₂	12.47 µS/cm
Total Exchangeable Anions (TEA)	9.2 ppm as CaCO ₃
Maximum System Recovery	95 %
Product Water Resistivity	17.3 MΩ-cm
Product Water Conductivity	0.058 µS/cm
Salt Rejection	99.5 %
Pressure Drop	1.47 bar
Total Hardness(ppm as CaCO ₃)	0

Water Analysis

Species	Inlet (ppm as ion)	Outlet (ppb as ion)	Concentrate (ppm as ion)
NH ₄	0.001	<1.0	0.02
K			
Na	1.522	7.055082	30.44
Mg			
Ca			
Sr			
Ba			
Fe			
Cu			
Al			
Mn			
CO ₃			
HCO ₃	3.222	14.935267	64.44
NO ₃	0.499	2.313066	9.98
Cl	0.073	<1.0	1.46
F			
SO ₄	0.15	<1.0	3
B			
SiO ₂			
CO ₂	2.06	9.548929	41.2
pH	6.45	NA	
Calc pH	6.32	NA	
Temp °C	12		

Total Feed	Total Reject	Total Product
1.58 m ³ /h	0.08 m ³ /h	1.5 m ³ /h
6.72 μS/cm		17.3 MΩ-cm
12.47 μS/cm FCE		0.058 μS/cm
0 ppm as SiO ₂		
2.06 ppm as CO ₂		
12 °C		

Estimated Power Requirements	
AC Power Consumption	0 kW/module
Total AC Power Consumption	0 kWh/day (24/7 operation)
DC Energy Consumption	0 kWh/kgal
DC Energy Consumption	0 kWh/m ³
DC Voltage	0 V
Start-up DC Current	0 A
* Assumes 93% efficiency of AC to DC power controller	