DATASHEET PALLAS MEMBRANES

Pallas LP Membranes

GENERAL

Model	Permeate flow m^3/d (GPD)	Stable salt rejection %	Min. salt rejection %	Active membrane area m^2 (ft^2)	Feed spacer mil
Pallas LP 4040	10.2 (2,700)	99.5	99.2	8.7 (94)	28
Pallas LP 4040 HF	12.1 (3,200)	99.5	99.2	8.7 (94)	28
Pallas LP 8040	40 (10,500)	99.5	99.2	37.2 (400)	28
Pallas LP 8040 HF	48 (12,650)	99.5	99.2	41 (440)	28

NOTE:

The recovery rate is 15%;
The salt rejection rate generally needs to be tested after 24-48 hours of continuous operation, depending on the feed water quality and operating conditions;
The flow rate of a single membrane element may exhibit fluctuations, but within a range of ± 15%

TEST CONDITION

Model	Feed water NaCl (ppm)	Pressure (psi)	Temperature (°C)	pH
LP	2000	150	25	7-8

MAX. OPERATING CONDITIONS

Max. operating temperature	45 °C	Max. operating pressure	600 psi
Feed water flow	3.6 m^3/h (4”) 17 m^3/h (8”)	SDI	5
pH range[1]	2-11	pH range during chemical cleaning	1-13
Residual chloring tolerance[2]	<0.1ppm	Max. pressure drop for single element	15 psi

[1] When the pH exceeds 10, the maximum temperature for continuous operation is 35°C.
[2] Under certain conditions, influent water containing free chlorine and other oxidizing agents can cause serious membrane damage, as oxidative damage is not covered by the product warranty.