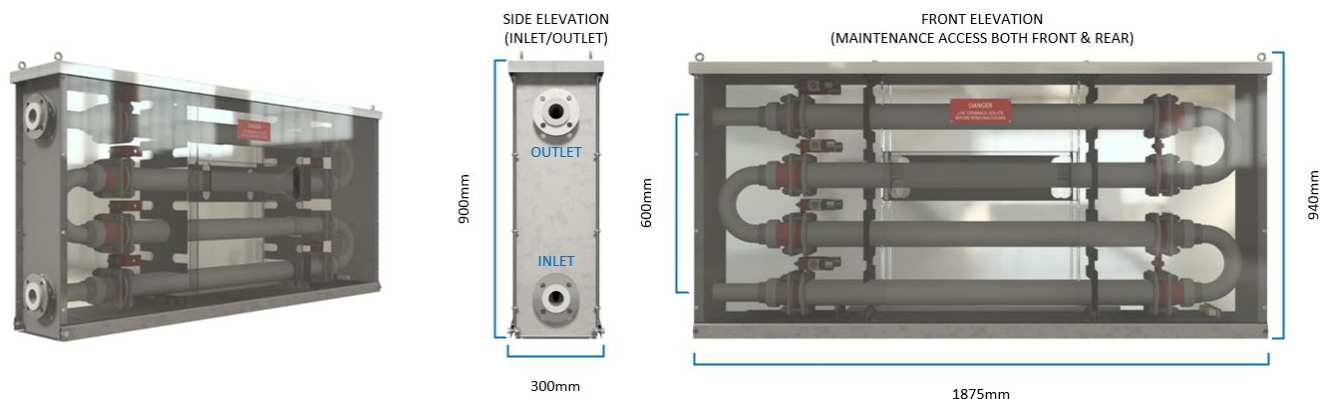


CHLOROPAC® Marine Growth Prevention System MKIV-3L ELECTROLYSER

Specification –Electrolyser design conditions



Process Parameter	Details			
Operating Process:	Chlorination Treatment			
Application:	Seawater			
Inlet Particles (Microns):	<800			
Fluid Temperature (°C):	5 - 35			
Ambient Operating Temp (°C):	0 - 50			
Operating Pressure (Barg):	10 Max			
Flowrate (m³/hr):	12m³/hr - Min	13m³/hr - Normal	14m³/hr - Max	
NaOCl Concentration (PPM):	1500 Max			
Single Electrolyser per Stream:				
Type of Electrolyser:	MKIV-3L-SB			
Part Number:	W3T472122			
Max NaOCl Output (Kg/hr):	3*	4*	5*	6*
Operating DC Current (A DC):	685	910	1154	1375
Operating DC Voltage (V DC):	30	30	30	30
Max Operating Power (KVA):	24.1	33.5	41.9	50.2
Pressure Drop @ 13m³/hr	1.4 Barg	1.4 Barg	1.4 Barg	1.4 Barg
Cell Electrode Type:	Self-Cleaning Concentric Tubular Electrode			
Cells Material:	Titanium			
Anode Coating:	MMO			
Seal Material:	Gaskets: Neoprene		O-Rings: FKM	
Pressure Test:	15 BarG for 30minutes			
Dimensions:	Width: 1875 mm	Depth: 300 mm	Height: 940 mm	
Enclosure Material:	316SS / PETG			
Termination:	2" ANSI 150 Flange			
Enclosure Rating:	IP 44			
Protection:	Flow Transmitter (External)		Liquid Leak Detectors	
Mass (Kg):	Dry: 155		Operating: 180	

Notes:

- Specifications above are confidential and proprietary to Evoqua Water Technologies. Trademarks are those of their respective owners.
- NaOCl output is self-regulating on a seawater salinity of 19g/l & a temperature range of 10-35°C, for continued operation in lower seawater salinity & temperatures please refer to the Evoqua Applications Team.
- The DC output from the power supply to each module of the generator shall be adjustable from 10% to 100% of the rated capacity.
- The minimum guaranteed life of cells shall be 3 years with self-cleaning arrangement.

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Datasheet
 Electrolyser MKIV-3L-SB (MGPS)
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