

# **WATER ENGINEERS AUSTRALIA**

## **Electrochlorination Equipment**

### **MT Series – On Line Electrochlorinators Specifications**

<u>Electrolyser Model</u>	<u>MTLS70</u>	<u>MTLS140</u>	<u>MTLS220</u>	<u>MTS325</u>
Rated output (g/hr)	<b>70</b>	<b>140</b>	<b>220</b>	<b>325</b>
Rated output (kg/day)	<b>1.68</b>	<b>3.36</b>	<b>5.28</b>	<b>7.8</b>
Electrode Gap (mm)	3.0	3.0	3.0	3.0
Electrode Width effective (mm)	82	82	82	82
Electrode length (mm)	333	666	1000	1000
No of electrodes / cell	6	6	6	7
No of series connections /cell	5	5	5	6

#### Power Supply

Power Module	PSP500 - 24	PSP1000 - 24	RSP1500 - 24	RSP1500 - 24
Input Voltage Range	176 - 264 V AC	176 - 264 V AC	176 - 264 V AC	176 - 264 V AC
Input Frequency Range	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz
Operating Volts per Cell	24	24	24	24
Operating Amps per Cell	17	34	50	50
<b>Power Supply Rating (watts)</b>	<b>500</b>	<b>1000</b>	<b>1500</b>	<b>1500</b>
Connected AC amps at 240 Volts	5	10	15	15
Power Consumption AC (kWh/kg Cl <sub>2</sub> )	5.45	5.45	5.45	4.00

#### System Specs.

Recommended Water Flow (litres/hr)	9,000	9,000	9,000	9,000
Salinity Range (g/litre)	3 – 6	3 - 6	3 - 6	30 - 40
Max Hypo Concentration (mg/litre)	2000.0	2000.0	2000.0	2000.0
Size of Cell Module (lxwxh)	925 x 300 x 200	1250 x 300 x 200	1580 x 300 x 200	1580 x 300 x 200
Dry weight Cell module (kg)	12	15	20	22
Size Power Module (lxwxh)	280 x 75 x 150	280 x 150 x 150	280 x 150 x 200	280 x 150 x 200
Weight Power Module (kg)	3.6	4.7	4.2	4.2