WATER ENGINEERS AUSTRALIA
Electrochlorination Equipment

MA Series – On Site Hypochlorite Generators Specifications

Model	MA500	MA1000	MA2000	MA5000	MA10000	MA24000	MA60000
Hypo output (kg/hr)	**0.5**	**1**	**2**	**5**	**10**	**24**	**60**
Hypo output (kg/day)	12	24	48	120	240	576	1440
Hypo strength (g/l)	6 - 8	6 - 8	6 - 8	6 - 8	6 - 8	6 - 8	6 - 8
Hypo flow (litres/hr)	71.4	142.9	285.7	714.3	1428.6	3428.6	8571.4

Electrolyser Specifications

Series	MA500	MA1000	MA1000	MA1000	MA2000	MA2000	MA2000
No. of Cells	1	1	1	5	5	12	30
Rated Amps	375	750	1500	750	1500	1500	1500
Rated Volts	7.6	7.6	7.6	38	38	91.2	228
Electrode Area (sqm)	0.66	1.32	2.64	6.6	13.2	31.68	79.2
Electrolyser Size l x w x h (m)	1.0x1.2x2.0	1.0x1.2x2.0	1.0x1.2x2.0	1.8x1.2x2.0	1.8x1.2x2.0	2.1x1.5x2.4	5.0x1.5x2.4
Dry Weight of Electrolyser (kg)	180	210	250	425	475	1140	2850
Electrolyser Operating Weight (kg)	190	220	275	490	550	1320	3300

Power Supply Specifications

Rated DC Power (kW)	2.9	5.7	11.4	28.5	57.0	136.8	342.0
Rated AC Power (kW)	3.4	6.7	13.4	33.5	67.1	160.9	402.4
Dimensions of Power Supply (m)	1.2x1.0x1.8	1.2x1.0x1.8	1.4x1.0x1.8	1.4x1.2x2.0	1.8x1.2x2.0	2.4x1.2x2.0	3.6x1.4x2.0
Weight of Power supply (kg)	140	170	215	340	750	1600	2400

Operating Data

Salt consumption (kg/kg chlorine)	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Power Consumption (kWh/kg Cl)	5.6	5.6	5.6	5.6	5.6	5.6	5.6
Hydrogen Produced (cub m/hr)	0.4	0.8	1.6	3.9	7.8	18.6	46.6
Max Operating Pressure (kPa)	350	350	350	350	350	350	350
Temperature Increase (C)	17	17	17	17	17	17	17