

REPORT:- FILTRATION - HYDRAULICS -- COMMUNITY POOL

PROJECT	SAMPLE REPORT						
	<u>Length (M)</u>	<u>Width (M)</u>	<u>Av. Depth (M)</u>			15/09/2010	
Pool Dimensions -- (m)	15.00	7.00	1.45				
Pool Volume -- (m3)	152.3						
Turn over rate suggested -- (Hrs)	2.50						
Flow rate required	60.90	1015	LPM				
Area of Filter selected @ 36m3/hr/m2 (bed velocity)	1.69						
# of Filters	2						
Diameter of Filter selected (mm)	1050						
Filter Model - Code - Size - Media	Berlin	545-24837-02359	1050	M3			
# of Pumps	2						
Pump Model - Code - HP	BX 2.0	11493	2.0				
Pump flow rate -- (LPM)	550.0						
New Filter Bed Velocity (m3/hr/m2)	38						
New turn-over rate (Hrs)	2.3						
Suction pipe Diameter (mm)	80	(Separate suction to each pump)					
Suction pipe Velocity (M/sec)	1.6						
Discharge pipe Diameter (mm)	80						
Discharge pipe Velocity (M/sec)	1.6						
Backwash pipe Diameter (mm)	80.0						
Backwash pipe Velocity (M/sec)	1.6						
Minimum # of Wall inlets per Pump @ 100lpm ea.	4						
Approx. Plant room size (M2)	7						
Number of Skimmers per pump	2						
PEAK Persons Daily -- TOTAL Persons Daily	42	244					
NB: Most Local Governments require back-wash velocities below 6litres/sec. Back-wash detention tank may be required if flow exceeds 360lpm.							
DISCLAIMER: <i>This information is provided as guidelines for filtration and hydraulics only. The contractor must arrive at his own decisions for all technical details of the particular project, and should refer to applicable Australian Standards, Gov. Laws, Codes of Practice, and Guidelines, and other relevant information.</i>							
HURLCON equipment has been specified. If alternate equipment is required, the builder is responsible for selecting the comparative performance.							
DISINFECTION - Ph control - LIGHTING - HEATING - CLEANING has not been addressed							