

**REQUEST FOR FREE COMMERCIAL FILTRATION AND HYDRAULICS DESIGN**

	(Please use separate sheet for each pool or spa -- All information <b>MUST</b> be provided) --	Date ..... / ..... / .....
Company Name -- Builder's Name:	Bldrs Name:	
Builder's Contact details:	Mob:	Fax:
	Email:	
PROJECT NAME & STATE:	State:	
Facility	Hotel/Motel [ ] -- Residential apartments [ ] -- School [ ] -- Caravan Park [ ]	
	Health Resort [ ] -- Hostel [ ] -- university [ ] -- Sports & Leisure Centre [ ]	
	Work Place [ ] -- Gymnasium [ ] -- Retirement Village [ ] -- Hydrotherapy [ ]	
	Learn to Swim [ ] -- Club [ ] -- Children's Play area [ ] -- Other.....	
Provide number to indicate size of complex:	rooms [ ] - units [ ] - sites [ ] - cabins [ ] - members/students [ ] Other .....	
Type of use:	General [ ] -- Training [ ] -- Therapy [ ] -- SPA [ ] -- Children's Play [ ] -- Education [ ]	
Other type of use (please describe):	.....	
Type of Construction:	Wet Deck [ ] -- Skimmers [ ] -- Negative edge [ ]	
Dimensions:	Length [ ]M -- Width [ ]M -- Av. Depth [ ]M -- Freeform [ ] -- Volume [ ]M3	
Location / Heating:	Indoor [ ] -- outdoor [ ] -- Heated [ ] -- Unheated [ ]	
Turn over rate required:	Turn-over rate will be in compliance with State Health Guidelines (or industry best practice if none apply)	
Plant Room slab:	Above W/L by ..... mm -- Below W/L by ..... mm -- Distance .....M	
<b><u>For Hydraulic Head:-</u></b>		
PVC pipe length (furthest in/outlet) per pump:	Suction [ ]M -- Discharge [ ]M -- Back-wash [ ]	
Estimate PVC 90 deg. fittings per pump:	Suction [ ] -- Discharge [ ] -- Back-wash [ ]	
Estimate PVC TEE fittings per pump:	Suction [ ] -- Discharge [ ] -- Back-wash [ ]	
Other issues to be addressed in design:		
<b>All above queries are critical to identifying the accurate filtration process that will satisfy the expected operation and must be answered or design will not be attempted.</b>		
	M3 Media (zeolite) will be used in lieu of sand unless otherwise specified.	
The design will indicate the <b>PEAK</b> number of persons permitted daily and the <b>MAXIMUM</b> number of persons permitted daily		
If pool is freeform or if large shallow areas are present, a plan with depths marked must be supplied.		
A separate suction pipe will be run to each pump		
If pool is large with extreme or heavy use -- 2 pumps will be used to back-wash 1 filter.		
If pool is medium size with light to medium use, 1 pump will be used to back-wash 1 filter.		
Max. PVC pipe velocities:- Suction 1.8m/sec -- Discharge 3.0m/sec		
Pump, Filter & Pipe sizes (with velocities), will be supplied in design report.		
<b>Disinfection - pH Control - Lighting - Heating - Cleaning should be discussed separately.</b>		