

Pool Data Sheet (for all pools with recirculating water)

Metric units

NAME OF POOL:		Address of Pool:			
City or Town:		Pool Type: <input type="checkbox"/> Swimming <input type="checkbox"/> Hot Tub <input type="checkbox"/> Wading <input type="checkbox"/> Spray		<input type="checkbox"/> Indoor <input type="checkbox"/> Outdoor	
Owner's (Legal Corporate) Name and address:			Designer: <input type="checkbox"/> P.Eng. <input type="checkbox"/> Arch.		
			Address of Designer:		
Pool Area: m^2	Deck Area: m^2	Water Depth: Minimum m Maximum m			
Maximum Bathing Load (persons):		Shallow (S)	Deep (D)	Total:	
Pool Volume: m^3		Pool Basin Colour:		Basin Light Reflectance Value: %	
Turnover Time: h at design flow rate (Q_D) of m^3/h		<i>(1 USgpm = 0.227 m³/h)</i>			
Re-circulation Pump - Make & Model:		Power W	Flow m^3/h at m TDH		
Hydro-Air Pump - Make & Model:		Power W	Flow m^3/h at m TDH		
Spray Feature Pump - Make & Model:		Power W	Flow m^3/h at m TDH		
Waterslide Pump - Make & Model:		Power W	Flow m^3/h at m TDH		
Other Pump - Make & Model:		Power W	Flow m^3/h at m TDH		
FILTERS: <input type="checkbox"/> Sand <input type="checkbox"/> Diatomaceous Earth		<input type="checkbox"/> Pressure <input type="checkbox"/> Vacuum <input type="checkbox"/> Gravity		NSF Approved: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Filter Make and Model:		Number of filters:		Number of elements:	
Surface area (each filter): m^2		Total area (all filters): m^2			
Surface area (each element): m^2		Total area (all elements): m^2			
Filter Loading Rate: m/h ($Q_D \div Total\ area \leq 36.7\ m/h$)		Total Filter Capacity (Filter Loading Rate \times Total area)		m^3/h	
Backwash Pump - Make & Model:		Power W	Flow m^3/h at m TDH		
Backwash rate per filter m^3/h		Rate of Backwash: m/h			
GAUGES: (Number of each type) <input type="checkbox"/> Pressure () <input type="checkbox"/> Vacuum () <input type="checkbox"/> Thermometers ()					
Flow Indicators:	Make & Model:	Range to m^3/h	Location		
	Make & Model:	Range to m^3/h	Location		
DISINFECTION: <input type="checkbox"/> Sodium Hypochlorite <input type="checkbox"/> Calcium Hypo <input type="checkbox"/> Lithium Hypo <input type="checkbox"/> Salt (OSG) <input type="checkbox"/> Stabilized (CYA) <input type="checkbox"/> Chlorine Gas <input type="checkbox"/> Bromine <input type="checkbox"/> Other:					
Pump Make and Model:		Concentration: %	Injection Point: <input type="checkbox"/> Before Filter <input type="checkbox"/> After Filter		
Capacity $g/h\ as\ Cl_2$		Maximum dosing rate: ppm		<i>(Capacity $\div Q_D \geq 3\ to\ 8\ ppm$)</i>	
Disinfection Control: <input type="checkbox"/> Programmable chemistry controller <input type="checkbox"/> Constant injection <input type="checkbox"/> Flow proportional injection <input type="checkbox"/> Erosion feeder <input type="checkbox"/> Batch disinfection					
SECONDARY DISINFECTION: <input type="checkbox"/> Ozone <input type="checkbox"/> UV <input type="checkbox"/> Other:		Secondary Disinfectant Dose:			
pH CHEMICAL: <input type="checkbox"/> Liquid <input type="checkbox"/> Slurry <input type="checkbox"/> Solid		ALKALINITY CHEMICAL:		<input type="checkbox"/> Liquid <input type="checkbox"/> Slurry <input type="checkbox"/> Solid	
Pump Make and Model:		Pump Make & Model:			
Capacity:		Injection point:		Capacity:	
Injection point:		Capacity:		Injection point:	
POOL INLETS: Type:		Size:	Total No. at m spacing	Depth below water level mm	
				<i>(inlets must be deeper than 600 mm or nearest pool floor if water depth is $\leq 600\ mm$)</i>	
				<i>(floor inlets must be used if pool sidewalls are $> 13.4\ m$ apart)</i>	

Pool Data Sheet (continued)

MAIN DRAIN:	Make and Model:	Free opening (each drain)	mm^2	No.	(≥ 2)
Total size of free openings	mm^2	Max. flow rate through grate**	m^3/h	Velocity* through grate	m/s ($<0.46 m/s$)
DRAIN FOR HYDRO-AIR PUMPS:	Make and Model:	Free opening (each drain)	mm^2	No.	
Total size of free openings	mm^2	Max. flow rate through grate	m^3/h	Velocity* through grate	m/s ($<0.46 m/s$)
<i>List all drains if more than one pump draws from drains in spaces that follow; use an additional page if required.</i>		* $V (m/s) = 278 \times Q (m^3/h) \div A (mm^2)$ ** include all pumps that can draw through the main drain			
DRAIN:	Make and Model:	Free opening (each drain)	mm^2	No.	
Total size of free openings	mm^2	Max. flow rate through grate	m^3/h	Velocity* through grate	m/s ($<0.46 m/s$)
DRAIN:	Make and Model:	Free opening (each drain)	mm^2	No.	
Total size of free openings	mm^2	Max. flow rate through grate	m^3/h	Velocity* through grate	m/s ($<0.46 m/s$)
OVERFLOWS:	<input type="checkbox"/> Gutter <input type="checkbox"/> Rollout <input type="checkbox"/> Deck level <input type="checkbox"/> Other:				
Number of drains	at	m spacing	Width (each drain)	mm	
Skimmers – Make and Model:			NSF Approved: <input type="checkbox"/> Yes <input type="checkbox"/> No		
No. of skimmers:	at	m^2 / skimmer	Max. overflow capacity:	m^3/h	Normal flow through overflows: m^3/h
MAKE-UP WATER SOURCE:	<input type="checkbox"/> Public <input type="checkbox"/> Private		Diameter of make-up line	mm	Control: <input type="checkbox"/> Manual <input type="checkbox"/> Automatic
Air gapped: <input type="checkbox"/> Yes <input type="checkbox"/> No	Backflow preventer: <input type="checkbox"/> RP <input type="checkbox"/> DCV <input type="checkbox"/> Other <input type="checkbox"/> None		Make and Model:		
<i>Filter backwash must be separated from the sewer or drainage system by an air gap $\geq 2 \times$ diameter of the largest discharge pipe.</i>					
WATER PIPING:	<input type="checkbox"/> Copper <input type="checkbox"/> Galvanized <input type="checkbox"/> Plastic <input type="checkbox"/> Other:				
Max. velocity: return piping (from pool)	m/s		Supply piping (to pool)	m/s	
<i>Expand to include pipes on any additional circulation systems in spaces that follow, use additional page if required.</i>					
PIPING:	<input type="checkbox"/> Copper <input type="checkbox"/> Galvanized <input type="checkbox"/> Plastic <input type="checkbox"/> Other:				
Max. velocity: return piping (from pool)	m/s		Supply piping (to pool)	m/s	
PIPING:	<input type="checkbox"/> Copper <input type="checkbox"/> Galvanized <input type="checkbox"/> Plastic <input type="checkbox"/> Other:				
Max. velocity: return piping (from pool)	m/s		Supply piping (to pool)	m/s	

The foregoing data is a true statement of facts pertaining to this pool as it is to be constructed.

Signature and Seal (Design Engineer or Architect):

Date: