

# CREATE-A-POND Worksheet Page 1

Draw in your design below.



Top View (Knowing overall Length' and Width' is critical here)


Side Cut-Away View (Knowing Depth' is critical here.)


<p><b>Pond Liner Size</b></p> <p>Length of pond' + (2 x max. depth') + 2' *</p> <p>Width of pond' + (2 x max. depth') + 2'</p> <p>*Add on liner needs for waterfall to length.</p>	<p><b>Your Pond</b></p> <p>Length ___' + (2 x max. depth) ___' + 2' = ___'</p> <p>Width ___' + (2 x max. depth) ___' + 2' = ___'</p> <p>(this formula does not work for ponds with an island)</p>
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# Pond Worksheet Page 2

1—Pump: Waterfalls require 100 gph per 1" of width of the spill you are creating for a slow moving fall. (200 gph per 1" for fast moving falls.) **The maximum width on your waterfall spill in inches = \_\_\_\_\_**

2- Total Head Height is **A)** the distance from the surface of the pond vertically to the output of the water fall and **B)** for every 10' of tubing used in your system you add 1' of head height to the equation. **Example:** 2' high waterfall with 20' tubing: A= 2'; B= 20'/10'=2' A) 2'+B) 2'=4' **Your waterfall: A) \_\_\_\_\_ + B) \_\_\_\_\_ = \_\_\_\_\_**

(Slow Moving Falls Chart) **Waterfall Width (rounded up)**

	6"	12"	18"	24"	36"	
<b>Waterfall Height (rounded up)</b>	10'	Hy-Drive 1600	Hy-Drive 2600	Hy-Drive 6600 (use 2" Tubing)	Hy-Drive 6600 (use 2" Tubing)	Hy-Drive 6600 (use 2" Tubing)
	7'	Model 9.5	Hy-Drive 1600	Hy-Drive 6600 (use 2" Tubing)	Hy-Drive 6600 (use 2" Tubing)	Hy-Drive 6600 (use 2" Tubing)
	5'	Model 9.5	Hy-Drive 1600	Hy-Drive 4800	Hy-Drive 6600 (use 2" Tubing)	Hy-Drive 6600 (use 2" Tubing)
	3'	Model 9.5	Hy-Drive 1600	Hy-Drive 2600	Hy-Drive 4800	Hy-Drive 4800
	1'	Model 9.5	Hy-Drive 1600	Hy-Drive 2600	Hy-Drive 4800	Hy-Drive 4800

When using Hy-drive Pumps use the largest tubing possible for optimum water flow.

**How many Gallons in my pond?**

Pond Volume (Rectangular or Oval Shape) = Average Length' X Average Width' X Average Depth' X 7.5= gallons  
(or cubic feet x 7.5)

Example:  
4'x8'x2' Pond  
4x8=32x2=64x7.5=480 gallons.

Pond Volume (Round)= .785 X (Top Diameter' X Bottom Diameter' X Depth') X 7.5=gallons

### 3—Filtration for ponds

- \_\_\_\_\_ PondMaster 500 Submersible Filter for Ponds upto 500 gallons and pumps up to 500gph.
- \_\_\_\_\_ PondMaster 1000 Submersible Filter for Ponds upto 1000 gallons and pumps up to 700gph.
- \_\_\_\_\_ Pro5000 Skimmer for each 200sqft of pond surface (add pump for each skimmer) upto 5500gph.
- \_\_\_\_\_ Pro2000 Falls and Filter w/ 11" Weir, upto 2000gph.
- \_\_\_\_\_ Pro3000 Falls and Filter w/ 16" Weir, up to 3000gph.
- \_\_\_\_\_ PUV-4000 Low Pressure Filter and UV. (use 1.5" Tubing. Pumps over 4000GPH need bypass valve.)
- \_\_\_\_\_ CPF-1000 Compact Pressure Filter for ponds upto 2000 gallons.

4—Tubing and hose clamps, Teflon tape. (see product specifications for recommended tubing size.)

### 5—Green Water Algae Control

- \_\_\_\_\_ See PUV-4000 above (for ponds 1800-3000 gallons)
- \_\_\_\_\_ PondMaster Submersible 20Watt UV for pond up to 3000 gallons, max flow 1800 gph thru UV.

### 6—Water Treatments

<u>With Fish</u>	<u>With Plants</u>	<u>Product Description</u>	<u>Additional Optional Items:</u>
<input type="checkbox"/>	<input type="checkbox"/>	Dechlorinator	<input type="checkbox"/> Pond Thermometer
<input type="checkbox"/>	<input type="checkbox"/>	Aquatic Plant Food	<input type="checkbox"/> Barley Straw
<input type="checkbox"/>	<input type="checkbox"/>	Planting Baskets	<input type="checkbox"/> Electric Fence for predators
<input type="checkbox"/>	<input type="checkbox"/>	Aquatic Planting Media	<input type="checkbox"/> Lighted Fountain Head
<input type="checkbox"/>	<input type="checkbox"/>	Pond-Zyme (Bio-Sludge Control)	<input type="checkbox"/> Aeration Pump
<input type="checkbox"/>	<input type="checkbox"/>	EcoFix (Bio Sludge Control)	<input type="checkbox"/> Additional Filtration Media
<input type="checkbox"/>	<input type="checkbox"/>	Microbe-Life	<input type="checkbox"/> Pond Book
<input type="checkbox"/>	<input type="checkbox"/>	Algaefix (algaecide)	<input type="checkbox"/> Bottom Drain
<input type="checkbox"/>	<input type="checkbox"/>	Oxy Pond Cleaner (Green water control)	<input type="checkbox"/> Pond Netting
<input type="checkbox"/>	<input type="checkbox"/>	Pond Thermometer	<input type="checkbox"/> Premium Koi/Goldfish Food
<input type="checkbox"/>	<input type="checkbox"/>	Fish Net (Coarse)	<input type="checkbox"/> Blue Tinting
<input type="checkbox"/>	<input type="checkbox"/>	Skimmer Net (Fine)	<input type="checkbox"/> Black Tinting (for reflection)