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HOW MUCH POND LINER AND WHAT SIZE PUMP DO I NEED?

To calculate the number of gallons that your pond holds:

$$\text{Length} \times \text{Width} \times \text{Average Depth} \times 7.5 = \text{Total Gallons}$$

For every gallon of water in your pond, your pump should cycle that many gallons of water per hour (ex. 200 gallons of water, buy a pump that cycles 200 gallons per hour).

When you install a waterfall, for every inch of width you should cycle 200 gallons of water per hour.

To calculate how much liner to buy:

$$\text{Length} ___ + \text{Depth} ___ \times 2 ___ + 2 \text{ Ft.} = \text{Length needed} ___$$

$$\text{Width} ___ + \text{Depth} ___ \times 2 ___ + 2 \text{ Ft.} = \text{Width needed} ___$$