

# Swimming Pool Water Estimator

## Above Ground Pools

48" Wall Height		52" Wall Height	
Pool Size	Gallons	Pool Size	Gallons
15' Round	5,300	15' Round	5,800
18' Round	7,600	18' Round	8,300
20' Round	9,400	20' Round	10,200
24' Round	13,600	24' Round	15,300
27' Round	17,200	27' Round	18,600
28' Round	18,500	28' Round	20,000
11'x25' Oval	6,500	11'x25' Oval	7,000
11'x30' Oval	7,800	11'x30' Oval	8,400
15'x25' Oval	8,900	15'x25' Oval	9,600
15'x30' Oval	10,600	15'x30' Oval	11,500
18'x33' Oval	14,000	18'x33' Oval	15,200
18'x38' Oval	16,100	18'x38' Oval	17,500

## In Ground Pools

Pool Size	Gallons
12'x24' Rect	10,800
16'x32' Rect	19,200
16'x36' Rect	21,600
18'x36' Rect	24,300
20'x40' Rect	30,000
16'x32' Oval	17,200
18'x36' Oval	21,700
20'x40' Oval	26,800
17'x33' Grecian	19,700
17'x37' Grecian	22,200
20'x36' Grecian	24,300
20'x44' Grecian	30,300
16'x30' Kidney	14,900
16'x34' Kidney	16,500
20'x38' Kidney	20,200

Most in-ground pools have a variable depth. The chart below assumes a depth of 7' at the deep end and 3' at the shallow end. In addition, the Oval, Grecian, and Kidney shapes vary so the chart below may not exactly match your requirements. All numbers have been rounded to the nearest 100 gallons.

If you don't see your size listed, use the following formula for calculating the number of gallons of water you'll need.

**Round pool:** Take the Diameter times Diameter, times the average depth, times 5.9. For example, for an 18 ft. pool 4 ft. high you would multiply  $18 \times 18 = 324$ . Then  $324 \times 4 = 1,296$ . Then  $1,296 \times 5.9 = 7,646.4$  gallons needed.

**Oval pool:** Take the length time's width, times the average depth, times 5.9. For example, for an 11' x 30' pool 4 ft. high you would multiply  $11 \times 30 = 330$ . Then  $330 \times 4 = 1,320$ . Then  $1,320 \times 5.9 = 7,788$  gallons needed.

**Rectangular pool:** Take the length time's width, times the average depth, times 7.5. For example, for a 12' x 24' pool 4 ft. high you would multiply  $12 \times 24 = 288$ . Then  $288 \times 4 = 1,152$ . Then  $1,152 \times 7.5 = 8,646$  gallons needed.

**Gallons Converted to 100 Cubic Feet:** Pool Gallons Divided by 748 = 100 Cubic Feet

**How this effects your Utility Bill when filling a Pool:** The City bills Water in 100 Cubic foot Units and is multiplied by the **Current Rate X Units = Water Charge**

**(Example) \$2.50 X 30\* Units = \$ 73.80 in Water Cost;** (Rate is Split into Water Treatment and Water Distribution)

\*This does represent the total of all usage with in the residence not just exclusive to the filling on the pool, it suggested to obtain a read from the **Water Meter (Before and After)** to determine what water has supplied the pool.