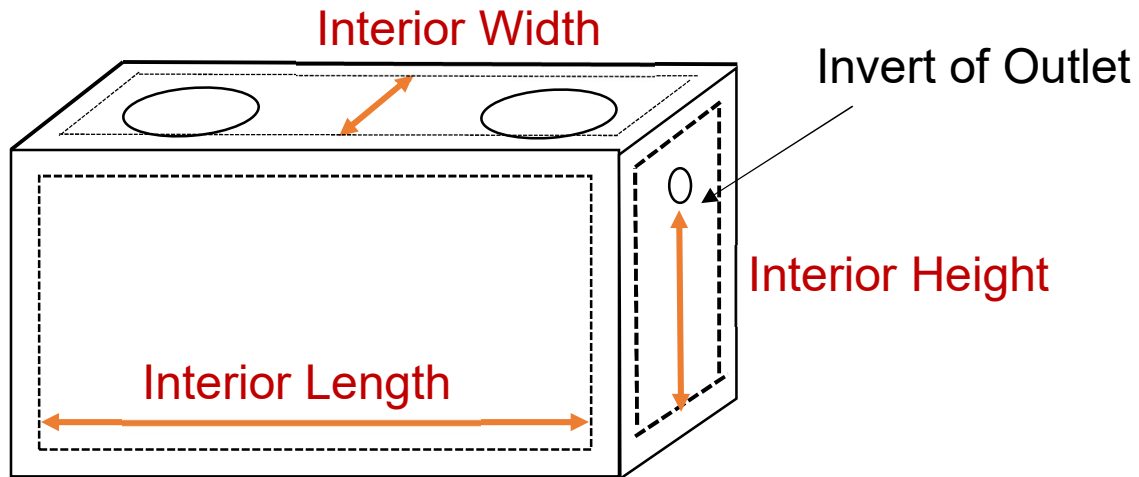


Calculating Tank Capacity – Rectangular Tanks



Tank capacity in cubic feet (ft³) = Interior Width X Interior Length X Interior Height (interior bottom of tank to invert of outlet) (invert of inlet for dosing tank)

Width, Length, and Height must be in feet (not feet and inches)

To convert inches to feet: #inches ÷ 12 = #feet

Examples: 5 inches ÷ 12 inches/feet = 0.42 ft.

9 inches ÷ 12 inches/feet = 0.75 ft.

1 cubic foot = 7.48 gallons

To convert cubic feet to gallons: Tank capacity in cubic feet (ft³) X 7.48 gal/ft³ = gallons

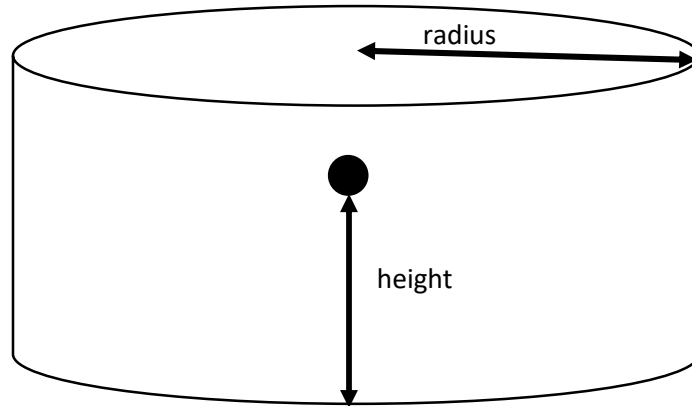
Example: Tank with dimensions of 8'6" in length, 5'3" in width, 4'1" height to invert of inlet

8'6" = 8.5' 5'3" = 5.25' 4'1" = 4.08'

8.5' X 5.25' X 4.08' = 182.07 ft³

182.07 ft³ X 7.48 gal/ft³ = 1361 gallons (this tank is probably sold as a 1250 gallon tank)

Calculating Tank Capacity – Round Tanks



Capacity of tank in cubic feet = $\pi \times r^2 \times h$ (pi times radius squared times height)

$\pi = 3.14$ (this is a constant)

r = radius r^2 = radius squared (radius X radius) h = height from interior bottom to invert of outlet of septic tank (invert of inlet for dosing tank)

1 cubic foot = 7.48 gallons

To convert cubic feet to gallons: Tank capacity in cubic feet (ft^3) X 7.48 gal/ ft^3 = gallons

Example: Tank with dimensions of height of 4'6" and radius of 3'2"

$$4'6'' = 4.5' \quad 3'2'' = 3.17'$$

$$3.14 \times (3.17')^2 \times 4.5' = 142.00 \text{ ft}^3$$

$$142.00 \text{ ft}^3 \times 7.48 \text{ gal/ft}^3 = 1062 \text{ gallons (this tank is probably sold as a 1000 gallon tank)}$$