

AQUARIUM DIMENSIONS, SIZES & WEIGHTS



Fish Tank Focus
www.fishtankfocus.com

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Aquarium dimensions and overall aquarium sizes may vary depending on the manufacturer's calculation.

When you buy an aquarium the actual dimensions of one brand may be larger or smaller than the aquarium dimensions for the same gallon tank size for another brand. Even the trim type or color may change the aquarium dimensions.

Take Inside Measurements

You should always measure the aquarium size, do not just follow the label on the box or the store marketing information. Remember the inside of the tank is the water volume – not the outside. Measure inside the glass or acrylic so that you are not allowing for the thickness of the walls when you are working out how much water it will hold...

You know that sometimes items are returned to a store, put into the wrong box and then resold. Always better to measure and check before leaving the store.

Do not follow the label on the box - it might be wrong!

Typical Store and Online Fish Tank Sizes

If you have the aquarium size already, maybe buying online, the following will help you check the water size in US gallons or liters.

Remember the overall outside size of the tank will be bigger allowing for the glass thickness. For example, a small aquarium may have glass that is 1/8 of an inch, whereas a larger tank may need glass 3/4 of an inch thick.

How much water will the aquarium hold?

Theoretical volume

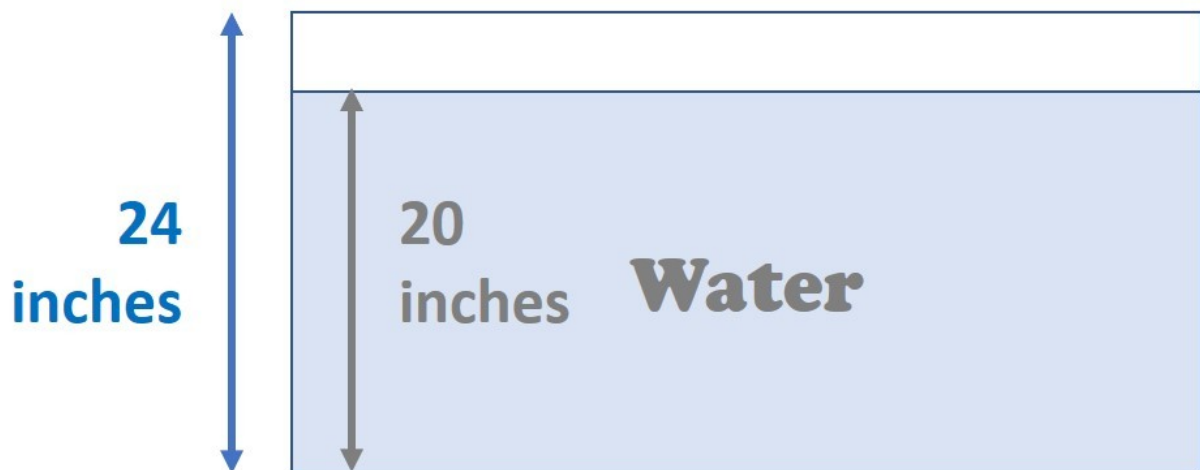
This is the absolute volume when an otherwise empty tank is filled to the very top edge with water. This is the size that the manufacturer will often state.

Realistic volume

Allows for decor displacement and that the tank won't be filled to the very top edge. As such this is a far more accurate measurement to use.

How high you fill the water and what you place in the tank will decrease the amount of water volume to a more realistic lower quantity. For example, a small 2.5 Gallon tank 12 x 6 x 8 holds 2.5 Gallons when completely full to the top. But allowing for the water to be lower than the very top rim, some plants and decorations in the tank the actual realistic volume is more likely to be 2.25 Gallons.

Theory v Realistic



TYPICAL AQUARIUM DIMENSIONS & SIZES

All measurements are for the INSIDE of the tank.

These are 'Theoretical Volumes'

Aquarium Dimensions: Sizes Under 100 Gallons

Aquarium Size	Inches	Centimetres
2.5 Gallon Tank Dimensions	12 x 6 x 8	30.5 x 15.2 x 20.3
5.5 Gallon Tank Dimensions	16 x 8 x 10	40.6 x 20.3 x 25.4
10 Gallon Tank Dimensions	20 x 8 x 12	50.8 x 20.3 x 30.5
15 Gallon Tank Dimensions	24 x 12 x 12	61 x 30.5 x 30.5
15 Gallon Tank Dimensions	20 x 10 x 18	50.8 x 25.4 x 45.7
20 Gallon Tank Dimensions	24 x 12 x 16 (H)	61 x 30.5 x 40.6
20 Gallon Long Dimensions	30 x 12 x 12	76.2 x 30.5 x 30.5

AQUARIUM DIMENSIONS: Typical Sizes and our Aquarium Calculator

20 Gallon Tank Dimensions	20 x 10 x 23	50.8 x 25.4 x 58.4
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25 Gallon Tank Dimensions	24 x 12 x 20	61 x 30.5 x 50.8
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28 Gallon Tank Dimensions	30 x 12 x 18	76.2 x 30.5 x 45.7
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30 Gallon Tank Dimensions	36 x 12 x 16	91.4 x 30.5 x 40.6
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AQUARIUM DIMENSIONS: Typical Sizes and our Aquarium Calculator

40 Gallon Tank Dimensions	36 x 13 x 20	91.4 x 33 x 50.8
40 Gallon Tank Dimensions	48 x 13 x 16	121.9 x 33 x 40.6
45 Gallon Tank Dimensions	36 x 12 x 24	91.4 x 30.5 x 61
50 Gallon Tank Dimensions	36 x 18 x 18	91.4 x 45.7 x 45.7
55 Gallon Tank Dimensions	48 x 13 x 20	121.9 x 33 x 50.8
60 Gallon Tank Dimensions	48 x 13 x 22	121.9 x 33 x 55.9
65 Gallon Tank Dimensions	48 x 13 x 24	121.9 x 33 x 61
75 Gallon Tank Dimensions	48 x 18 x 21	121.9 x 45.7 x 53.3
90 Gallon Tank Dimensions	48 x 18 x 24	121.9 x 45.7 x 61

Aquarium Dimensions: Sizes Over 100 Gallons

AQUARIUM DIMENSIONS: Typical Sizes and our Aquarium Calculator

Aquarium Size	Inches	Centimetres
110 Gallon Tank Dimensions	48 x 19 x 28	121.9 x 45.7 x 71.1
120 Gallon Tank Dimensions	48 x 24 x 24	121.9 x 61 x 61
125 Gallon Tank Dimensions	72 x 19 x 21	182.9 x 45.7 x 53.3
150 Gallon Tank Dimensions	72 x 18 x 27	182.9 x 45.7 x 68.6
180 Gallon Tank Dimensions	72 x 24 x 24	182.9 x 61 x 61
210 Gallon Tank Dimensions	72 x 24 x 28	182.9 x 61 x 71.1

There are other types of tanks such as bow front tanks, hexagon and round tanks as well as bespoke made to measure shapes.

It is important to plan your tank allowing for the space it will occupy, ensuring plenty of room for access and cleaning around the tank, the stand and all the equipment.

Online Aquarium Calculator

Try our Online Aquarium Calculator to check your own tank size. Simply input the dimensions in inches or centimeters to see the aquarium size in US Gallons and Liters.

Aquarium Calculator Link: <https://fishtankfocus.com/aquarium-calculator-for-you-to-check-aquarium-dimensions/>

Aquarium Calculator

This is for dimensions with centimeters

Width (centimeters)	<input type="text"/>
Height (centimeters)	<input type="text"/>
Length (centimeters)	<input type="text"/>
Volume in Liters	<input type="text" value="0"/>
Volume in US Gallons	<input type="text" value="0"/>

This is for dimensions with inches

Width (inches)	<input type="text"/>
Height (inches)	<input type="text"/>
Length (inches)	<input type="text"/>
Volume in Liters	<input type="text" value="0"/>
Volume in US Gallons	<input type="text" value="0"/>

Aquarium Weights

Below is an estimate of aquarium weights comparing empty to full, saltwater or freshwater.

The weights are an estimate because the amount of rock, planting, thickness of glass are assumed figures.

For planting and rocks, anything other than fish are shown so that you can see what we have assumed.

A gallon of freshwater at a specific gravity of 1.000 weighs 8.3454 lbs. The weight of the water will increase directly proportionate to the weight of the salt being dissolved in the water. 1 gallon of water 8.3454 lbs times the specific gravity of say 1.025 equals 8.5540 lbs ($8.3454 \times 1.025 = 8.5540$)

1 gallon of saltwater at 1.025 specific gravity equals 8.554 lbs.

For your own tank you decide how much planting etc will be added and alter the weights to suit your needs.

*"1 gallon of freshwater is 8.3454 lbs.
The water in a small 20 gallon tank weighs
almost 12 stone!"*

Small Sized Aquarium Weights

A typical 5 gallon aquarium weighs about 7 lbs. empty, but full with water, plants, fish etc it weighs about 59 lbs.

Likewise, a 15 gallon empty is only 21 lbs. but 172 lbs. full.

That is more than 12 stone!

SMALL-SIZED AQUARIUMS					
Tank Size	L x W x H	Empty Weight	Plants & Rocks	Filled Weight Freshwater (Including Plants & Rocks)	Filled Weight Saltwater (Including Plants & Rocks)
	Inches	lbs	lbs	lbs	lbs
2 1/2 gallon	12" x 6" x 8"	3	3	26.9	27.4
5 gallon	16" x 8" x 10"	7	10	58.7	59.8
10 gallon "Leader"	20" x 10" x 12"	11	15	109.5	111.5
15 gallon	24" x 12" x 12"	21	25	171.2	174.3
15 gallon High	20" x 10" x 18"	22	25	172.2	175.3

For more sizes and weights visit:

<https://fishtankfocus.com/aquarium-dimensions-aquarium-calculator/>

Mid & Large Sized Aquarium Weights

Let's use a 30 gallon as an example mid size, empty is approximately 48 lbs. (depends on actual dimensions and build of the tank). Full this weighs in at around 345 lbs. – 24 stone 9lbs.

A large 90 gallon tank weighs around 160 lbs. empty and 1031 lbs. full – 73 stone 9 lbs.

A full 150 gallon weighs in at a monster 123 stone 8 lbs.!

AQUARIUM DIMENSIONS: Typical Sizes and our Aquarium Calculator

Mid Sized Aquarium	Inches	Empty lbs	Plants/ Rocks lbs	Water Full lbs
20 gallon High	24" x 12" x 16"	25	30	221.9
20 gallon Long	30" x 12" x 12"	25	30	221.9
25 gallon	24" x 12" x 20"	32	40	280.6
29 gallon	30" x 12" x 18"	40	45	327
30 gallon breeder	36" x 18" x 12"	48	48	346.4
40 gallon breeder	36" x 18" x 16"	58	60	451.8

Large Sized Aquariums

90 gallon	48" x 18" x 24"	160	120	1031.1
125 gallon	72" x 18" x 21"	206	130	1379.2
150 gallon	72" x 18" x 28"	338	140	1729.8
180 Gallon	72" x 24" x 25"	350	170	2022.2
225 Gallon	72" x 27.5" x 27.5"	360	190	2427.7

Aquarium Dimensions, Sizes & Weights

Fish Tank Focus was created to help people to make informed choices about the products they buy for their fish tanks.

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