



# What is the filtration process?

- **Filtration definition**

[Fluid filtration systems](#) are the system that is defined as separating suspended solid matter from a liquid, by delivering the latter to pass by the pores of a membrane that is called a filter.



- **Filtration Examples**

The most famous example of filtration is making tea. While preparing tea, a filter or a filter is used to separate tea leaves from the water.

Through the filter pores, only water will pass. The liquid obtained after the filtration is known as the filtrate, so in this situation, water is the filtrate.

The filter can be a cloth, paper, cotton-wool, asbestos, slag- or glass-wool, sand, unglazed earthenware, or any other porous material.



Filtration is mostly used in water treatment and sewage treatment. For a clear understanding of the matter and its states, check out the three states of matter.

- **Filtration Process**

The mixtures are mainly two types: heterogeneous mixtures and homogeneous mixtures. A homogeneous mixture is a mixture that remains uniform everywhere. A heterogeneous mixture is a variety that is not uniform around. That is, ingredients of the mix are distributed unfairly. Air is a homogeneous mixture of different gases, like nitrogen, oxygen, carbon dioxide, and water vapor.

Homogeneous mixtures are sometimes called solutions, mostly when a combination of a solid dissolves in a liquid. The mix of sand in water is an example of a heterogeneous mixture. On shaking, sand will stay undisclosed and are distributed irregularly. The sand particles drifting around, which will finally settle to the bottom of the bottle, make it a heterogeneous mixture. Different kinds of filters are used to purify and for separation of medicines from the contaminants. Based on the type of contaminant-small or large, filters of different pore sizes can be used, even at home.

- **Applications of Filtration**

Filtration also plays a vital role in water treatment. The filtration process can become a costly process when it comes to water treatment and water purification. Maintenance and lack of regulation can become significant filtration disadvantages. Also, the water treatment filters are not regulated by any department or health commission, so the effectiveness of purification and filtration can vary broadly between manufacturers. But the filters have enough benefits to be used as a mechanism of water treatment or purification.

We hope this blog is useful for you rather than if you are looking at [chemical plants in Texas](#), J&J Tamez is the place for you.



Instead of looking for an [oil testing laboratory](#), [friction reducer fracking](#), [oilfield production chemicals](#), you can connect with our professional team by dialing 361-886-5400.

We have an expert team to provide you the most satisfactory result. J & J Tamez LLC is a 100% privately-owned oil & gas company in Texas. We offer a range of chemical solutions to the industry involved in extracting crude oil and gas from the earth's crust. Our oilfield company in Texas provides the finest quality products for drilling, completion, and fracking of wellbores. We are also capable of providing all types of assistance to the oil & gas companies to maintain their workflow. Each chemical solution service and product is tested for quality and safety.

## **CONTACT US**

**Address:** 1901 N Clarkwood Rd, Corpus Christi, TX 78409, United States

**Phone No:** 361-886-5400

**Email ID:** [info@jitimez.com](mailto:info@jitimez.com)

**Website:** [www.jitimez.com](http://www.jitimez.com)