

Water Filtration to Purify Tap Water

The process of water filtration removes the chemicals and other contaminants in the water to make it soft, tastier, and safe to drink. It is common for homeowners to fit the water filtration equipment so they can treat the tap water. Not all the germs and contaminants get removed by water filters, but these do an excellent job in eliminating additional solutes to make water soft and palatable to drink. A simple, affordable pen-type instrument can be used to measure total dissolved solids (TDS) in water. The taste of water changes based on the TDS amount and high TDS waters are hard and bad tasting.

TDS Level (mg/Liter)	Water Taste
less than 300	Excellent
300-600	Good
600-900	Fair
900-1,200	Poor
over 1,200	Unacceptable

The ideal TDS for drinking water is less than 300, and the maximum permissible level is 600. There are no health problems related to low TDS level water. Patients with kidney disease should drink water with a TDS of less than 100. The recommendation of the TDS level for the water filtration system at home is 300 or less for an optimal water taste.