

# How to achieve water to stop conducting electricity?

## Programming Help

Everyone knows that water is well conducted by electric current. For this reason, for example, it is impossible to swim in a thunderstorm, you can not work with electrical appliances with wet hands and so on. But does the current spend the current actually?

In fact, the current does not conduct water, i.e. Not water molecules, but various impurities contained in it, in particular, the ions of various mineral salts. Water is an excellent solvent, therefore, in nature, many different impurities are always dissolved in water, which lead to the fact that water in physical condition on Earth always spends the current.

But modern technologies, if necessary, make it possible to completely clean the water from all impurities, leaving only the water molecules in it. Water purified from impurities is called distilled. So, the distilled water electric current does not spend almost no, and instead is a good dielectric. Distilled water is widely used in technique, medicine and industry and produced in large quantities. It can even be bought in auto shops and pharmacies.

However, it is not necessary to rely too much that the water is purified and therefore should not carry out the current. The fact is that distilled water requires a special treatment, otherwise it will very quickly solve many impurities in itself and will again become a conductor. So in everyday life you will not be able to keep the water too much so clean so that it does not spend the current.

All this means that security measures when working with electrical devices and devices still can not be disturbed. Remember that the water you can meet in ordinary life always has impurities and therefore is a good electrical current conductor.