



Trout-inspired water purifier developed

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MALMO, SWEDEN — Watreco, a water treatment company based here, has introduced a funnel-like water purifier that relies on the force of flowing water to get the job done, according to a September 10 [article](#) in *Green Tech Media*.

According to the article, the device works in a way similar to the way trout manage to swim steadily up a rushing stream. Water is poured over the top of the generator and swirls through a tightening coil of channels in a spiral. The swirling action that occurs as the water drains through the coils causes impurities to converge into a beam, and a vacuum at the base of the device sucks them out. The pure water is then released through the opposite end.

The device contains no moving parts and requires little, if any, external power, according to the article.

Watreco already sells a version of this generator that is used for its REALice system, which is used for creating ice rinks. The device removes dissolved gases and particles from water before it is frozen, resulting in ice that can withstand more heat, allowing rinks to be kept at higher temperatures, according to the article. No other commercial applications for device were mentioned in the article.

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