

# Permeate Pump

ERP-500/1000

## Refining Your Drinking Water

A permeate pump is a small but powerful addition that can completely transform the way your home water filtration system works. Using only the natural pressure from the water already in your system, it pushes purified water into your storage tank without relying on electricity. This allows your system to operate more efficiently, with faster production and consistent flow whenever you need it.

By reducing the back pressure on the membrane, a permeate pump helps your system produce water at a steady pace while keeping the filtration process at peak performance. Your storage tank can fill to full pressure before the system shuts off, so when you turn on the tap, you'll notice a strong, steady stream—perfect for filling glasses, bottles, and cooking pots without delay. This upgrade also helps protect your investment in your filtration system. Because the pump allows the system to complete its cycles more efficiently, your filters and membrane experience less strain, which can extend their lifespan and keep your water tasting fresh for longer between maintenance intervals.

For smaller home setups producing under fifty gallons per day, there's even a specially designed quiet model. With a built-in insert to reduce operational noise, it runs smoothly in the background without the clicking or gurgling sounds that can sometimes occur in other setups.

Most systems can be upgraded quickly for faster flow, stronger pressure, and fresh-tasting water.



## Why You'll Love It

- Requires no electricity, powered by energy from brine water
- Improves recovery rates by as much as 400%
- Reduces waste water by as much as 80%
- Enhances contaminant rejection
- Ideal for membranes rated from 10-100 GPD
- Effective for inlet water pressure as low as 30 psi
- Increases membrane life, lowers "TDS creep"
- Fills product tank up to 4 times more rapidly
- NSF approved (Standard 58)



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\*Information provided by Aquatec