

DIAPHRAGM PUMPS

PERMEATE PUMPS (ERP 1000, ERP 500)

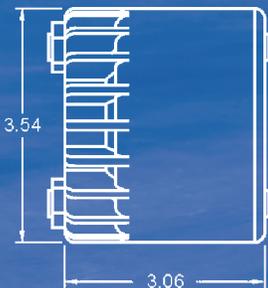


Aquatec's original Permeate Pump (ERP1000) is a simple, yet revolutionary, device. Powered only by the hydraulic energy of brine water usually lost to the drain (i.e. no electricity required), the Permeate Pump forces product water into the storage tank, reducing membrane back pressure and maximizing available feed pressure. These pumps dramatically improve the efficiency of R.O. water production, reducing wastewater by up to 80%. In other words, if your current system requires 10 gallons of tap

water to produce a gallon of pure water (10:1), adding a Permeate Pump should reduce this ratio below 3:1.

Permeate Pumps can also bring storage tanks up to line pressure and then shut the system down when these tanks reach capacity, eliminating the need for a hydraulic shut-off valve. Other benefits include higher delivery pressures, faster R.O. water production, superior water quality, and extended filter/membrane life.

Our newest Permeate Pump (ERP 500) is specifically designed for residential applications (less than 50 GPD) where overall system noise is a key concern. The ERP 500 includes a specially designed insert which helps the system operate in near silence, eliminating the occasional clicking or gurgling sounds that can otherwise occur. Both the ERP1000 and the ERP500 can easily be retrofitted to upgrade existing R.O. systems.



- **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**

- **Two year manufacturer's warranty**

For Additional Information, Please See the Applications Guide on Page 22