Felder Industries Inc., is pleased to offer a complete water treatment system for any home water supply using a holding tank fed by a well, spring, stream, lake, etc.—Model RO1000-375

This system is designed to reduce Arsenic, Bacteria, Radon gas, most VOC's, Turbidity, Color, bad taste, odor, Iron (rust stains), Manganese (black stains), Sulfur (rotten egg smell), and other contaminants.

It utilizes the same RO/Ozone purification technology used by municipal water companies throughout the world to assure that you have the highest quality water possible. The system uses no chemicals or salt and requires very low maintenance.

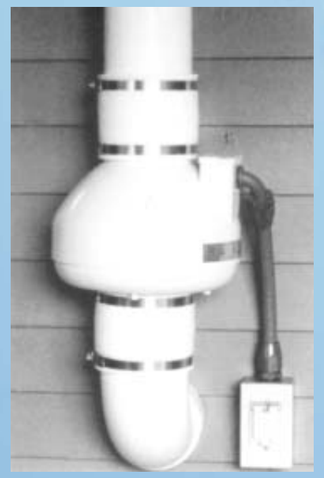
RO: WHAT IS IT

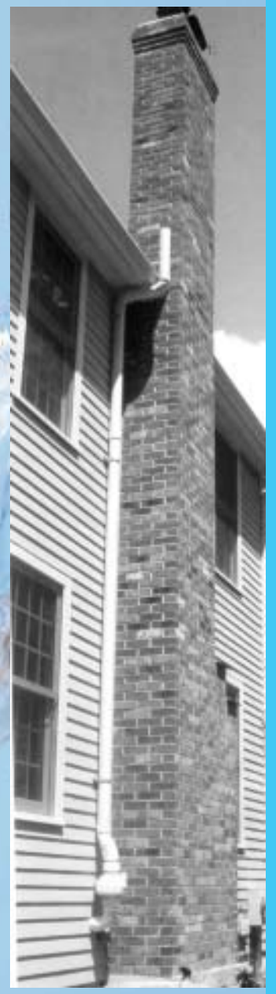
The system uses a water treatment process that removes undesirable materials from water by using pressure to force the water molecules through a semi permeable membrane. ROs remove ionized salts, colloids, and organic molecules down to a molecular weight of 100.

An ozone generator, in combination with an air pump, continuously aerates your water tank with tiny ozone saturated bubbles, which oxidize and kill many of the impurities in your water. These ozone saturated bubbles also provide the pumping action to constantly circulate and filter the entire contents of your holding tank at the rate of about 10 gallons per minute (600 gallons per hour—over 14,000 gallons per day). The result is refreshing, delicious, high quality completely pure water throughout your home for all of your water needs: Showering, laundering, dish washing, cooking, etc. And the system costs only pennies a day to operate—typically about $20 to $30 per month.

OZONE: WHAT IS IT?

Ozone (O_3), one of nature's basic elements, is a very powerful disinfecting and deodorizing gas consisting of oxygen (O_2) with an extra oxygen atom attached, therefore becoming ozone (O_3). When oxygen in the air is exposed to high intensity ultraviolet rays, ozone is created (such as our sun creating the ozone layer). When ozone does its job, it oxidizes by giving up and attaching its extra oxygen atom to anything that can be oxidized. Once this process occurs, the ozone molecule becomes oxygen ($O_3 - O = O_2$). Thus, the only by product of ozone is pure oxygen. In fact, ozone reverts to pure oxygen quite rapidly and naturally: The half life of ozone in the air is on the order of hours and on the order of minutes when dissolved in water. Additionally, ozone dissolves over 12 times more readily into water than pure oxygen, then reverts to oxygen, providing hundreds of times more dissolved oxygen in your water than could otherwise be possible. This high oxygen content of your water provides many of the benefits made possible with the RO1000-375.





THE BENEFITS OF OZONE:

Municipal water companies have used ozone technology to treat large quantities of water for many years because of its effectiveness in purifying and conditioning water.

Felder Industries Inc. has selected ozone technology for use in treating well/tank water because of its unique properties to:

1. Kill bacteria on contact thousands of times faster than chlorine or bromine.
2. Kill virus on contact.
3. Kill algae spores, fungus, mold, and yeast spores.
4. Oxidize oils and precipitate heavy metals.
5. Remove excess iron, manganese, and sulfur by a process known as micro flocculation, thus conditioning the water naturally without chemical additives.
6. Remove color, odor and gases, leaving a fresh, healthy bouquet.
7. Reduce scale build up on equipment such as pipes and water heaters, and staining of showers, sinks, bathtubs and toilets.
8. Ozone leaves no residue; its only by product is pure oxygen.

See your local authorized independent dealer.

Made in the U.S.A.

Operational maintenance and replacement requirements are essential for the product to perform to specification.

Form 118642

FELDER INDUSTRIES INC.

PURE WATER AT EVERY TAP!

For Purification of Whole House Domestic Water

Model RO1000-375

Standard Features:

- Thin film composite membrane
- PVC membrane housing
- Powder-coated steel frame
- Inlet and outlet pre-filter gauges
- Liquid-filled system pressure gauge
- Adjustable waste / recycle valves
- High-pressure nylon tubing
- High-pressure John Guest fittings
- Low-pressure switch
- 2 feedwater inlet solenoid valves
- 3/4 hp 50/60 hz motor
- Rotary vane pump
- 20" 5 micron sediment pre-filter
- 20" carbon block pre-filter
- Salt rejection 95-99%

Model RO1000-375

Reverse Osmosis System

1) GFI Protected circuts
2) 1 Inch product water feed line
3) Submersible pump and control head to repressurize product water to 70 PSI at 15 GPM
4) Adjustable pressure Regulator for product water
5) Flow indicator for product water to tank
6) 2 Inch air intake from outside
7) 3/4 HP motor
8) 1000 GPD RO membrane
9) Adjustable flow indicator for waste water
10) Adjustable flow indicator for recycled water
11) 5 Micron and Carbon block Pre filters
12) Double Solenoids for extra protection on raw water feed line
13) 375 Gallon holding tank. 30W x 60L x 60H
14) Ozone generator continuously aerates, neutralizes and sanitizes pure RO water (makes are water none aggressive)
15) 3 Inch vacuum vent to external fan
16) 12 Foot power cord

FEED WATER PARAMETERS:

- *Temperature 85° F maximum*
- *Pressure 40—80 psi maximum*
- *TDS 2000 ppm maximum. If higher, consul! factory*
- *Iron tolerance 0.1 ppm maximum*
- *Hydrogen sulfide must be removed*
- *Silica tolerance can not be higher than 125 ppm in the concentrate stream. Antiscalant should be considered for any levels over 75 ppm.*
- *Turbidity should be removed*
- *Hardness over 10 gpg should be softened.*

OPERATING PARAMETERS:

- *Operating pressure 200 psi maximum*
- *Water recovery is adjustable and suggested to be set at 33%.*
- *Water recovery should not exceed 50%*
- *pH range 3 -11*
- *Flow rates are determined by the membrane mfgr's. testing criteria of 1500 ppm Nacl solution, 77° F water temperature, 225 psi a! 10-15% recovery. Actual flow rates may vary depending on the pre treatment used, water conditions, system size, membrane array and applied pressure.*