Triangular Wave Technologies, Inc.

RUST-ERASE

IRON FILTRATION SYSTEMS

Take Control Over The Quality Of Your Water, Don't Let this Happen To You!

Designed to effectively eliminate rust and iron from your water supply thoroughly and economically. Rust-Erase is the perfect answer for residential and commercial treatment needs. Remove unsightly rust stains in the toilets, tubs, sinks, and other water fed appliances. Your laundry will be cleaner, too!

Stained Tub & Tiles

Stain Encrusted Dishwasher

Stained Water Tank

The Rust-Erase Iron Removal System works automatically. Every drop of water coming through the line is filtered to remove rust and other particles. The pre-set timer periodically activates the back-wash mechanism keeping the filter medium fresh and effective for many years.

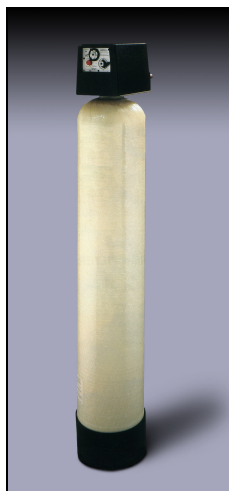## Residential • Commercial • Industrial Applications

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Triangular Wave Technologies Rust-Erase Iron Filtration System

Effects of iron and manganese in water

When exposed to air, dissolved iron or manganese reacts with oxygen and is converted by oxidation to a colored, solid material that settles out of the water. Iron changes to white, then yellow and finally to a reddish-brown color. Manganese forms a black residue. High concentrations of these sediments cause reddish-brown or black stains on laundry and household fixtures. Another result of iron and manganese in household water is the presence of harmless bacteria in soil, shallow groundwater supplies and some surface water that secrete large amounts of red-brown (iron) or black-

brown (manganese) slime that stain toilet tanks. The Rust-Erase iron filter system is designed to effectively eliminate rust from your water supply economically and thoroughly. No more unsightly rust stains in the toilet, tub and sink., the laundry will be cleaner, too! The Rust-Erase Iron Filter works automatically. Every drop of water coming through the line is filtered to remove rust and other particles. The pre-set timer periodically activates the back-wash mechanism which keeps the filter medium fresh and effective for many years. Media is good for approximately 3 - 5 years or more depending on water conditions.

TWT-RE-12
Rust-Erase Iron Filter
Flow rate: 30 Liters per minute
Maximum Iron Removal Capacity: 12 p.p.m.
Filter Medium: Fine birm
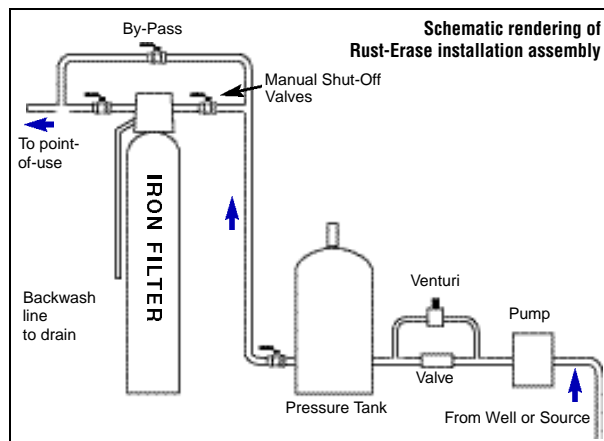**Electrical Supply:** 120V 60 Hz 1 Amp
           or: 240V 50Hz 1 Amp
Plumbing: 1" and 1" N.P.T. In-Out
Back-wash Connection: 3/4"N.P.T.
Size: 63" high X 10" diameter)
Weight: 100 lbs.

Note: Other voltage source available upon request.

Schematic rendering of Rust-Erase installation assembly

Chemical-Free Iron Removal Systems (*no chemical injection required*)

Systems Include:
• Clack 1" air injection system • Off air control tank (10x47)
• 163 valve • Brim Media • Bypass valve • Electronic timer control valve (backwash)

TWT-RE-30
Maximum Iron Removal Capacity: 30 p.p.m.
Flow rate: 30 Liters per minute
Maximum Iron Removal Capacity: 30 p.p.m.
Filter Medium: Fine birm
Plumbing: 1" and 1" N.P.T. In-Out
Back-wash Connection: 3/4" N.P.T.
Size: 52" high X 12" diameter
Weight: 80 lbs.

TWT-RE-50
Maximum Iron Removal Capacity: 50 p.p.m.
Flow rate: 48 Liters per minute
Filter Medium: Fine birm
Plumbing: 1" and 1" N.P.T. In-Out
Back-wash Connection: 3/4" N.P.T.
Size: 52" high X 12" diameter
Weight: 100 lbs.

TWT-RE-30C
The chrome jacketed system is complete with upgraded valves (chrome jacket is only available on the 30 ppm iron system).
Flow rate: 30 Liters per minute
Maximum Iron Removal Capacity: 30 p.p.m.
Filter Medium: Fine birm
Plumbing: 1" and 1" N.P.T. In-Out
Back-wash Connection: 3/4" N.P.T.
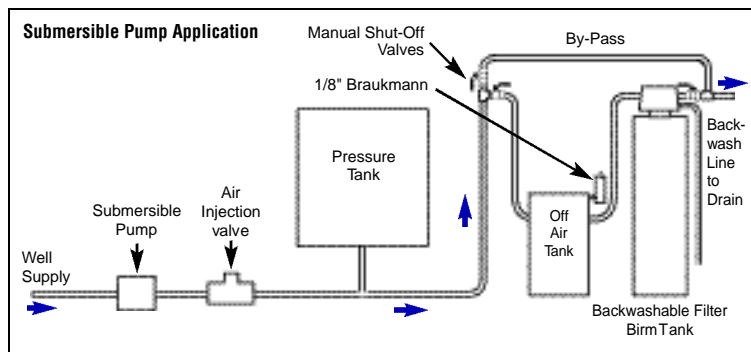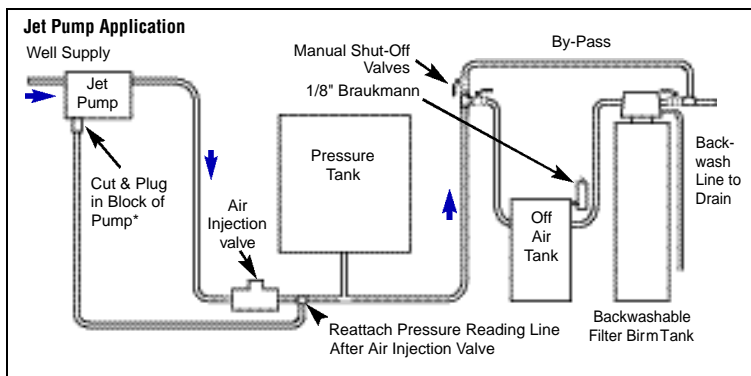**Size:** 47" high X 10" diameter
Weight: 90 lbs.

Electrical Supply: 120V 60 Hz 1 Amp or: 240V 50Hz 1 Amp

Note: Water- Ph should be 7.0 or higher for effective use and operation

AIR BIRM INSTALLATION OPTIONS

Jet Pump Application

Submersible Pump Application

Visit Triangular Wave Technologies, Inc. Comprehensive Website. The Valuable Technical Resource For All Involved In Water And Fluid Management. www.Triangularwave.com

Not to scale for reference only

All systems come with easy to follow illustrations, operational & installation manuals.

TRIANGULARWAVE TECHNOLOGIES INC
Chemical-Free Water Treatment