

Commonly Asked Questions about Iron Max

How Does the Iron Max Work? Oxygenated water passes over a bed of multi-media comprised of a unique blend of two types of Birm and several other filters and PH adjustment medias including “KDF85™” a new and unique media that uses a basic chemical process known as “Redox Reaction Principal” (oxidation/reduction), it assists in removing lead, sulfur and iron as well as its bacterial static inhibits the growth of bacteria, algae, and fungi making it ideal for use in The Iron Max. 

Birm is an excellent medium for removing iron from the water however it requires high levels of oxygen in the water for it to be effective.

What's the Iron Max Difference? The Iron Max oxygenates the water by passing it through a layer of compressed air before it makes contact with the Birm and multi media bed containing KDF85™, maximizing the efficiency with more optimum results.

Why is it so Economical?

The Iron Max costs next to nothing to run because the filter material does not change chemically during the process so is not used up and will last indefinitely. The other key element in the process is the oxygen in the air is freely available. Finally, the replenishment process is largely driven by water pressure in your system, so the Iron Max uses only loonies a year in electricity!

When Should You Consider an Iron Max System?

Staining and/or Odours: when you have higher levels of iron in your water that can't be treated by ordinary softening resin, or where no softener is used. If your water is staining your clothes and fixtures, iron is usually the culprit and if your water has an odour like rotten eggs then you also have a problem with sulphur.

Water PH: Softener resin becomes ineffective as the PH (the acidity or alkaline) of water rises above 7.2 (the neutral reading is 7.0) so an Iron Max is required if even a small amount of iron is detected in the water. (above 0.3parts/million)

The Iron Max will reduce the iron in your water and has been successfully applied to water with iron in excess of 10-12parts /million. It also treats low levels of sulphur. (Higher sulphur levels may require a pre-treatment with our “Oxidizer Plus” system).

Don't guess. Talk to us about arranging a complimentary water analysis.

When is the Traditional Iron Max Not Right for Me?

If the acidity of your water has a PH 6.8 or below, you will get grey water from the Birm. If this unique situation applies to you we will customize the Iron Max using a different filter medium that will provide a more optimal solution.

How Often Does The Iron Max Regenerate? The Iron Max is factory set to regenerate at midnight every three days, or when a metered pre-determined volume of water is used and is dependent upon the iron level present in your water. This is highly adaptable and can be changed if a different frequency is required. The regeneration cycle consists of two steps. First, the filter medium is backwashed and then the tank is filled with air. At the end of the regeneration process, the pressure of the water in the house compresses the air in the tank until it fills only up to 10 inches from the top, keeping your pipes and pressure tank free from damaging oxidized water.

no salt
no chlorine
no chemicals

Think Green
Think Clean

THINK
IRON MAX



“The Water Softener Purification Specialists”
283 Broadway, Orangeville 519.941.9120

Unlike conventional Iron Filters, the **Iron Max** is in a unique class of its own.



Competitors in this industry use a variety of gadgets like some pictured here and while they all work at oxidizing iron, they also have major challenges.

Air pumps work fine but they are very expensive, use electricity, they wear out and require replacement every 4-5 years and **they are NOISY!**

Venturies, Hydra Charges, Mazzi's etc. also oxidize iron but they too have their issues and they all work under the same principle, the "venturie" effect, that requires a 15 PSI pressure differential from one side to the next and produce a major flow restriction.

Consider that while both systems are doing a great job of adding air (oxygen) to the water, the water has stopped, the pump is continuing to run, filling the pressure tank before shutting off. Now the pipes and the pressure tank are full of highly oxygenated water and "oxidizing iron" in your pipes, allowing a build up of iron that will eventually close off and plug your pipes!

Other Draw Backs: Restricted Flow Pressure Drop

There is a one inch line coming in from your well and all your water is being squeezed through two tiny, narrow holes. Creating a 15% pressure differential from one side to the next in order to draw air in.



Invest Wisely with Iron Max

GE Osmonics Revolutionary New "Logix TM" Ultra high efficiency valve with its extra large LCD display with high contrast numerals and graphics, coupled with its unique patented technology places the Logix and Iron Max in a class of its own. Not shared by any other manufacturer!

Preventive Measure

Exclusive, extended tank liner directly seals against the valve body which virtually eliminates the possibility of leaks.

Proprietary Air Induction System allows any oxidation of iron and various metals, organics, including sulphur to happen where it should happen, inside the tank and NOT in your pipes and pressure tank (as happens with our competitor's systems)

Corrosion resistant fiberglass tank containing a special blend of medias for reduction and removal of iron and various heavy metals as well as sulphur and organics causing taste and odour issues. We use KDF85™ a unique and powerful media that reduces and removes many heavy metals and chemicals. (see FAQ on back)

Complete with unique 1/4 turn bypass valve that works for years after most standard competitor's bypass valves would have failed. Includes back flow prevention valve to protect your plumbing and equipment.

Special adjustable base that allows easy leveling on.

We will customize this system to meet any stubborn water problems or concerns.

Bring on the Iron Max and Say Goodbye to Trouble!

- No More Damaging Build Up In Pipes
- No More Unsightly Stains
- Save Electricity
- Better Water Pressure
- Lasting Appliances



Power Plus - Iron MAX AP

COMPLETE IRON REMOVAL SYSTEM

- Computer Controlled—Air Compressor Driven Power Plus Oxidation Twin Tank Iron Filter

- Usage Driven Oxidation on demand
 - Effectively removes iron, sulfur and various organics, tastes and odors without the use of chemicals
 - Includes iron removal kit, tanks, and media, Air Pump with Computer Controller
 - Convenient sample ports for testing water before and after treatment
 - One plumbing point for easy installation
 - Accommodating check valves can be inserted in any port inlet or outlet
 - Electronically controlled with flexible programming
- Includes bypass valve, filter valve, in/out head, spool check valve assembly, sample taps, elbow with check valve, air pump bracket and air pump, monitor PCB and enclosure transformer, electronic manifold assembly, air release system, in/out air release fitting and bypass manifold assembly.

Available in 4 Different Tank Sizes to accommodate Higher Water Flows & Levels of mineral—contaminants
10", 12" 14" & 16" Tanks



ELECTRONIC CONTROL UNIT FOR IRON REMOVAL

Monitors flow and media threshold

- Use with pumps, chemical feeds, or other electro-mechanical products that require precision measures based on water usage
- Durable, with enclosure and transformer



**Water Softener &
Purification Specialist**

283 Broadway Orangeville

519-941-9120

OZONE COMPLETE

Ozone Generator
and Electronic Air
Dryer in one unit

Build in relays for
easy installation

120 volt power

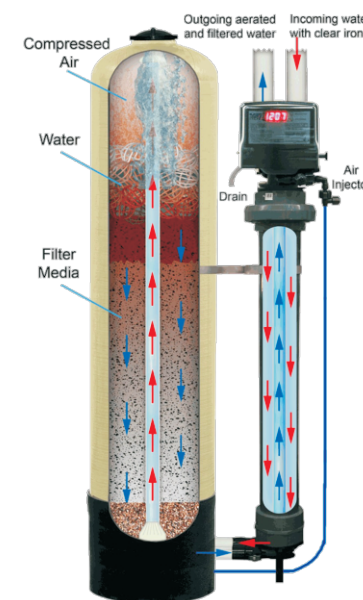
12 volt control

Only available with
Sidekick

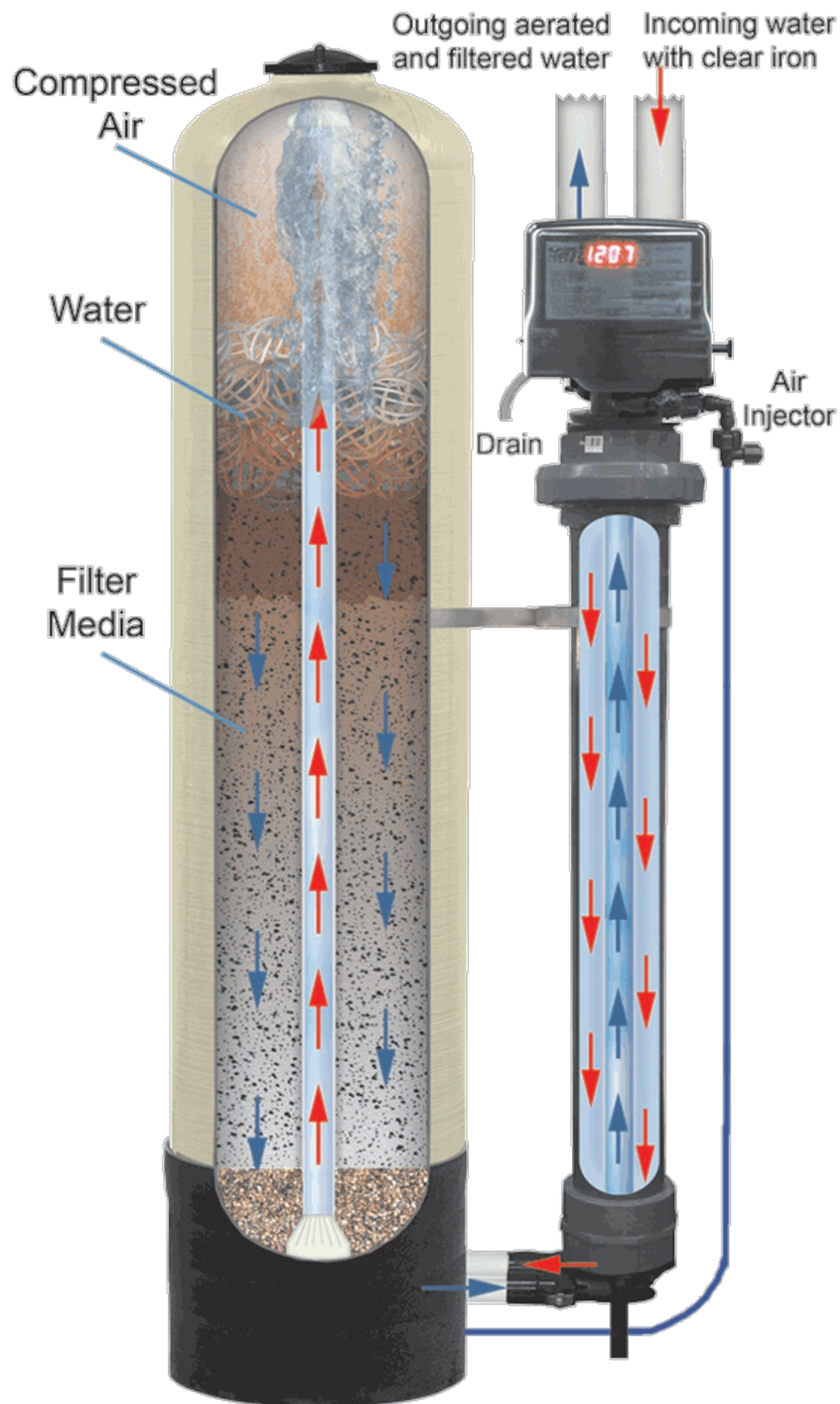


SK SIDEKICK

Revolutionary Iron Filter



"The Water Softener Purification Specialists"
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Introducing the SIDEKICK™ Single Tank Aeration Filter with Ozone Complete™. The SIDEKICK™ is ideal for trouble water including Iron, Sulfur, Iron bound Organics, Manganese. The SIDEKICK™ features the Industry's first single tank aeration filter with the control valve separated from the filter tank. Over the years, anybody experienced with using air induction filters have seen what Iron and Sulfur can do to the internal movable parts of control valves. The result is costly and reduces the life of the control valve and serviceable parts. The SIDEKICK™ prevents oxidation from taking place within the control valve and will be sure to keep all movable parts free of heavy fouling & iron build up.