

# CHEMICAL FREE IRON FILTER



- **No Chemicals**
- **Iron removal efficiency is extremely high**
- **Inexpensive operation and simple design**
- **Safe for septic beds**
- **Uses air to precipitate iron and hydrogen sulfide (rotten eggs smell)**
- **Exclusive air off tank system eliminates water pipe hammering and sputter in faucets**

\* This picture shows Clack WS1 Valve.  
Other Valves available upon request.

1175 Stellar Dr.  
Unit 1 & 2  
Newmarket, ON  
L3Y 7B8

**1.888.513.8280**

Tel: 905.853.1811  
Email: [info@rosmosis.com](mailto:info@rosmosis.com)  
[www.rosmosis.com](http://www.rosmosis.com)

**Rosmosis**  
Canada Ltd.

**WATER FOR LIFE**

# CHEMICAL FREE IRON FILTER

Once installed, the Chemical-Free IRON FILTER requires little attention. It will automatically remove ferrous iron, sometimes called “clear water” iron, and ferric iron, sometimes called “red water” iron. It also, removes bacterial iron, manganese and sulfur gas. This Iron Filter features three major components:

**Hydrocharger**            (Air Injector)

**Aeration Tank**        (Air Off Tank)

**Backwash Filter**      (Filter containing special media)

The Chemical-Free IRON FILTER works on the principle of “aeration and filtration”. The air injector adds a controlled amount of air to the water supply just before it enters the aeration tank. As the water sprays into the aeration tank, it pick up more air. The oxygen in the air starts the natural iron removal process by oxidizing the iron.

From the aeration tank the water passes into the filter tank, which contains a natural mineral media bed. The oxidized iron adheres to the media throughout the filter bed. When the filter tank begins to fill up with iron particles, it will automatically backwash itself, washing the accumulated iron to the drain. The mineral filter bed is now clean and ready to go into service again. There is virtually no limit on the amount of iron that this filter can remove. The Chemical-Free IRON FILTER is economical and easy to maintain. It is available in several popular sizes, and we can also custom-build it to meet your needs.