



# Homeowner's Manual



*Manufactured by The LeverEdge 1423 Gunn Highway, Odessa, FL 33556*

# IRON BOSS

## Introduction

The Iron Boss is a green technology to reduce iron and hydrogen sulfide odors from water. The LeverEdge manufactures the Iron Boss under a licensed, unique patented<sup>1</sup> process. The Iron Boss will greatly reduce iron and hydrogen sulfide odors effectively and economically without the need for costly dangerous chemicals, troublesome pumps or external ventureries. The Iron Boss can be used whenever iron or hydrogen sulfide odor is a problem. Experience with the Iron Boss technology has shown it will reduce iron up to 10 parts per million and best operates with a neutral PH.



Diamonite is a unique blend of filtration media that greatly enhances the ability of Iron Boss to remove troublesome iron and hydrogen sulfide from your water. Diamonite is made up of millions of multi-faceted, highly porous beads that create tiny caverns to hold oxygen molecules, and allow it to act as a natural filter.

## How does it work?

The Iron Boss adds oxygen to the Diamonite filter media during the draw cycle. The water then passes through the Diamonite filter media which oxidizes and removes the iron and hydrogen sulfide. (All in the same tank.) Eventually water passing through the Iron Boss will deplete the oxygen and the unit will need to regenerate. During regeneration the iron and hydrogen sulfide are backwashed out. The tank then empties the water, replenishing the Diamonite filter media with oxygen from the atmosphere, then refills with water when it cycles back into service.

## Iron Boss Regeneration Cycles

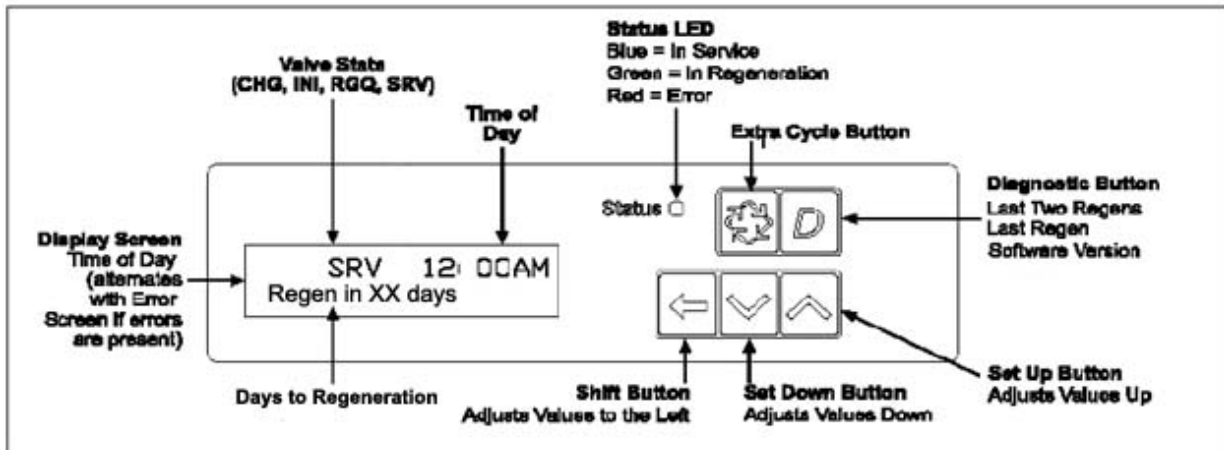
The regeneration cycle is preset to occur at 12:00 am every third day. This timing and frequency of regeneration can be modified as required. Make sure additional equipment does not regenerate at the same time as the Iron Boss. Normal duration for the regeneration cycle is approximately 55 minutes and completes in 3 steps.

1. Backwash cycle, 14 minute duration. Water flow is reversed inside the unit to lift and reclassify the filter media rinsing accumulation iron from the beginning.
2. Oxygen refill, 40 minute duration. The unit empties of water and is filled with air. During this cycle water will run to drain. There is a slight delay at the start of the cycle while the pressure of the air within the tank reaches atmospheric pressure. During this time, no air is drawn into the tank. Once the pressure has equalized, you will hear air being drawn into the unit.
3. The unit returns to the In-Service position. When this happens, water continues to enter the tank, compressing the air into a bubble in the top portion of the tank. Air bubble volume will vary slightly with local conditions.

**Untreated water is available during regeneration cycle.**

(1) *1U.S. Patent Number 5,919,373*

**NOTE: Always protect the Iron Boss from freezing temperatures**



### Setting the time of day

1. Press and hold the Up or Down button for 2 seconds.
2. Press the Shift button to select the digit you want to modify.
3. Press the Up or Down buttons to adjust the value. Set A.M. or P.M. to ensure unit operates correctly
4. Press the Extra Cycle button to return to the normal display screen, or after a 5 second timeout. The display will return to the normal screen.

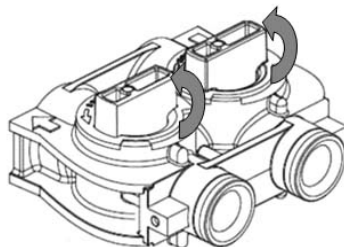
Note: The "D" button (Diagnostic) can be pressed to exit without saving.

The Iron Boss starts regeneration at the preset time set by your dealer (usually 12:00 AM) on days initiated by the Iron Boss Controller. Regeneration last up to 50 minutes. If the Iron Boss regenerates at other than the above time specified, check the time of day. If time of day is not accurate, follow step one to reset.

If an immediate regeneration is needed, you can start a manual regeneration by pressing the Extra Cycle button for 5 seconds on the main screen until unit begins regeneration

**OR**

You can start an extra regeneration tonight at the normal preset time. Hold down the Extra Cycle button until "RGQ" displays and regeneration will occur at the preset time. (i.e. 12:00 a.m.)



To put the Iron Boss system in bypass position, turn knobs counter-clockwise as shown in picture above.

# Iron Boss Water Treatment System Lifetime Limited Warranty



The LeverEdge (hereinafter LE) warrants any Iron Boss brand water treatment system manufactured by LE and installed by a duly authorized Iron Boss dealer, to be free from defects in materials and workmanship to the original residential purchaser (hereinafter CONSUMER) from the date of purchase. All aspects of this Warranty are subject to the following limitations, terms and conditions.

## 1. DURATION OF WARRANTY

If LE Equipment consisting of the Mineral and Storage Tanks, Controls and Valves, Pumps and Switches, Ion Exchange Resin and Treatment Media, Reverse Osmosis/Water Filters (excluding replacement cartridges) and Ultraviolet Lights (excluding bulbs and sleeves) is determined to have failed as a result of a manufacturing defect, LE will, at its sole discretion, repair or replace the defective part at NO CHARGE to the CONSUMER (excluding labor, applicable shipping and handling costs) for the duration of the CONSUMER'S ownership of the original equipment (hereinafter "LIFETIME").

## 2. LIMITATIONS OF COVERAGE

This Warranty extends only to the CONSUMER for product failure resulting from defects in materials and workmanship, and does not include renewable components. It does not extend to damage caused by the CONSUMER'S neglect or abuse, or by accident, to damage caused by wind, hail or abnormal weather conditions, or to damage caused by acts of God, civil insurrection or extraordinary circumstances beyond the control of LE.

LE shall not be liable for any direct or indirect damage resulting from the use of the Equipment, and in no event shall the extent of this Warranty coverage exceed the purchase price of the Equipment.

LE cannot know the characteristics of a CONSUMER'S water supply or the purpose for which one is purchasing Iron Boss Equipment. Also, water qualities vary seasonally and over time. Therefore, LE assumes no liability for the determination of the proper equipment necessary to meet a CONSUMER'S requirements, nor does it authorize others to assume such obligations on its behalf.

This Warranty excludes any Equipment which was not manufactured by LE and installed by an authorized Iron Boss dealer or on which the date code has been removed or altered. Any tampering or attempted repair performed by anyone other than an authorized dealer, including the CONSUMER, voids this Warranty.

## 3. MISCELLANEOUS

In order to be considered for validation, all claims for Warranty coverage must be accompanied by a copy of the purchase agreement indicating the date of initial installation, and a copy of the CONSUMER'S current utility bill. LE reserves the right to inspect the Iron Boss Equipment prior to honoring any Warranty claim.

This Warranty gives you specific legal rights, and you may have other rights which may vary from state to state. Any and all inquiries or claims under this Warranty must be submitted in writing to The LeverEdge, Attn: Warranty Department, 1423 Gunn Highway, Odessa, FL 33556.