



Residential, Commercial & Industrial

**ECOFLOW**®

Water Conditioner

**A Completely New  
Eco-Friendly  
Approach to Water  
Conditioning**

**NO SALTS!**

**NO CHEMICALS!**

**NO ELECTRICITY!**

**NO WASTE WATER  
BACK FLUSHING!**

**NO MOVING PARTS!**

**NO MAINTENANCE!**

**Morrill**®  
INDUSTRIES, INC.

**FOR SALES AND INFORMATION:**

**LAKOTA WATER COMPANY**

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People will spend hundreds of thousands of dollars on a new or used home often without fully understanding or considering the water quality which supplies the house. Some will just look at the water source as being city water or well water and that is it.

The water supply system is one of the single most important features of your home. The piping system is fed throughout the home to supply water to sinks, showers and tubs, toilets, washing machines, dishwashers, hot water heaters, and numerous other features inside and out.

Whether your home's water supply is from a city source or from well water, the story is the same -- as the water table drops, the water carries more calcium which makes the parts per million of hardness in the water go higher and higher. Well water is notorious for hardness.

The higher the water hardness, the more problems it will create in your home. This is because hard water deposits can easily contaminant and/or plug up your home's plumbing system. This would include not only the piping itself but also the faucets, shower heads, and especially hot water heaters. If an RO unit is present, it would cause cost maintenance expenses there, as well.

NOW YOU CAN HAVE PEACE OF MIND. *The Ecoflow® Water Conditioner* is the product to resolve your home's hard water problems.

The Ecoflow® Unit has gone through years of scientific studies and R&D to bring you the product we offer you today.



**2" Ecoflow® Unit**

### **Why the Ecoflow® was designed:**

The Ecoflow® was built because of the need for a product that would reduce and/or eliminate the calcium (scale) build-up problem people were having worldwide on plumbing systems from residential to the industrial sector. Over the years there have been numerous designs and products manufactured to make an attempt to remove scale without the use of harsh chemicals. Most units have failed.

Approximately 20 years ago, scientists started experimenting with the use of natural rare earth minerals to naturally break-up scale. After a few years of experimenting and testing, a formula was developed that worked. The formula has been enhanced numerous times to provide the product we offer today, which is an NSF Certified nonsacrificial ceramic media.



## **How the Ecoflow® is built:**

On all the smaller units (3/8", 1/2", 1", and 2"), an inner copper liner is used which is filled with the special NSF Certified formulated "ceramic media". A flow modulator is installed at each end, then the "ceramic media" and flow modulator are locked in with stainless steel screens. This inner liner once assembled is slipped into a stainless steel sleeve and the ends are welded in place. The unit is then polished to a high gloss finish, labels are installed, and the unit is then packaged for shipment.

## **How the Ecoflow® Works:**

The Ecoflow® works on a 3-step process as follows:

### **1. Polarization:**

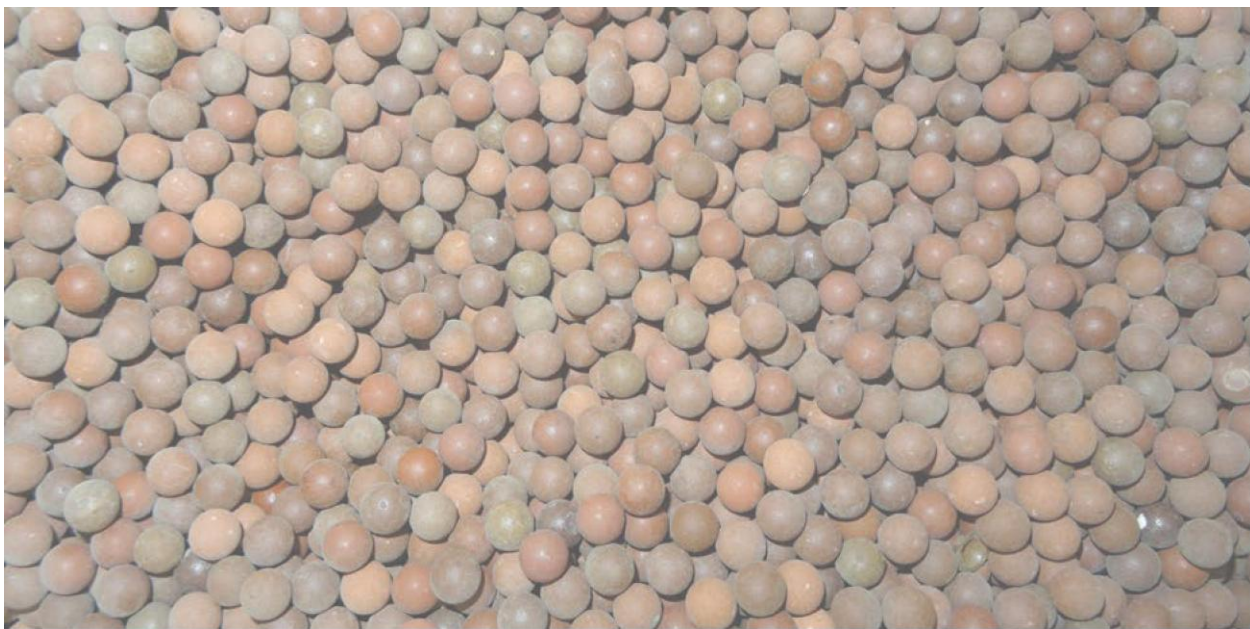
In the first stage, water passes into the unit through flow modulators which polarize the water stream along with the minerals it contains. This action formats the water so that the following processes can impact the water stream more completely.

### **2. Oxidation Reduction (RedoxProcess):**

The propensity and ability for water to scale and harden through oxidation is reduced as water flows over the Nano-Technology developed "ceramic media" which contains a matrix of minerals and rare earth elements.

### **3. Ionization:**

As the water stream passes over the "ceramic media", the electron fields of the materials within the water stream overlap with the electron fields of the materials contained within the "ceramic media". The exchange of ions is encouraged and enhanced.



*Ceramic Media*

## **Ecoflow® Benefits:**

1. Improves the taste of water.
2. Reduces existing hard water scale build-up and prevents future build-up in pipes and water-related equipment.
3. Reduces Hydrogen Sulfide.
4. Inhibits algae, fungus and mildew growth.
5. Protects water heater from corrosion, adding life to your water heater.
6. Clothing won't wear and fade due to hard water washing.
7. Decreases gaseous content of your water.
8. Reduces hard water spotting.
9. Extends the life of RO units if present.
10. No back flush dumping like with water softeners.
11. Removes white scale build-up on fences and sidewalks.
12. Improves septic system leaching capabilities.
13. Improves soil percolation and helps eliminate standing water.
14. Improves plant and lawn growth.
15. Uses NO electricity.
16. Uses NO chemicals.
17. Uses NO salts.



## Ecoflow® Additional Uses:

- Ice Machines
- Swimming Pools
- Evaporative Water Coolers
- Commercial Dishwashers
- Commercial Washing Machines
- Water Cooled Refrigeration Units
- Glass Washers (for Bars)
- Cooling Towers
- Coffee, Tea, and Beverage Machines







### **Ecoflow® Additional Category:**

The Ecoflow has a wide range of applications for many industries which can benefit from improved water conditioning such as the following examples:

#### **Commercial/ Industrial:**

- Airports
- Beverage Makers
- Canneries
- Car Wash Facilities
- Laundromats
- Convalescent Facilities
- Fire Departments
- Hospitals
- Police Stations
- Prisons
- Retirement/Rest Homes
- Schools
- Swimming Pools Installers

#### **Agriculture:**

- Aquacultures
- Farm Crops
- Greenhouses
- Nurseries
- Poultry Farming
- Equine (Horses)
- Dairy/Livestock Farming

#### **Housing:**

- Condos
- Apartment Units
- Duplexes
- Single-Family Homes

#### **Food:**

- Bakeries
- Fast Food Restaurants
- Bars
- Gourmet Restaurants

#### **Hotels/ Resorts:**

- Amusement/Theme Parks
- Casinos
- Hotels

#### **Sports Fields:**

- Baseball Fields
- Football/Soccer Fields
- Golf Courses/Ranges
- Horse Race Tracks



## Ecoflow® Specifications:

Part No.	Size		(A)		(B)		(C)		Max. Flow Rate		Weight		Shipping Weight	
			Length		Max. O.D.		Body O.D.							
	Inch	CM	Inch	CM	Inch	CM	Inch	CM	GPM	L/m	Lbs.	Kg.	Lbs.	Kg.
EFR-38-4	3/8	0.95	10	25.40	3.875	9.84	1 7/8	4.83	4	15.1	8.1	3.67	9.3	4.22
EFR-0050-12	1/2	1.27	10 1/4	26.04	4.350	11.05	2 3/4	6.03	12	45.4	10.5	4.76	11.6	5.26
EFR-0100-26	1	2.54	19 3/4	50.17	4.700	11.94	2 3/4	7.30	26	98.4	18.6	8.41	20.0	9.07
EFR-0200-52	2	5.08	22 1/2	57.15	5.300	13.46	3 1/2	8.89	52	196.8	26.25	11.91	27.5	12.47



***WHEN ORDERING: SPECIFY WATER SUPPLY LINE SIZE SO THAT PROPER THREADED ENDS CAN BE INCLUDED WITH YOUR ECOFLOW UNIT.***

### Common Unit Specifications:

- Pressure loss of 3 PSI or less for each unit.
- Maximum pressure rating of 150 PSI.
- Flow rates validated through the Center for Irrigation Technology(CIT), University of California, Fresno.
- Each unit is hydrostatically tested.

### Materials of Construction:

- Internal body is constructed of Type L copper tubing conforming to ASTM B88.
- External body and fittings are 304 Stainless Steel conforming to ASME A778.
- Threaded ends x Tri-Clover are 304 Stainless Steel conforming to ASME A778.

Due to ongoing research and product development, the above-mentioned specifications are subject to change without notice.



## TESTIMONIALS

*I love our Ecoflow unit. I was purchasing a lot of water softener pellets prior to the Ecoflow, and I had no realization of how much softer my hair and skin would feel. It is almost a blessing that my old water system failed. My husband agrees his skin definitely feels less dry and more moisturized. Carol E.*

*Our 12-year-old home was on a water well with the normal water softener system. The water was evil--we have replaced 4 water heaters and replaced all plumbing fixtures at least twice. We contacted Lakota Water for help in improving our well water. They installed a whole-house reverse osmosis system along with an Ecoflow Water Conditioner in place of our water softener. Results have been dramatic in a very positive way and we could not be more pleased with the quality of water we are now receiving. Derrill E.*

*We were on hard city water before retiring and moving to a home which used the Ecoflow Water Conditioner instead of a water softener. The improvement in our dishes, clothes, skin and hair, and appliances was immediate. We love that we don't have to perform any maintenance or use any salts or chemicals! Mary B.*

**Every unit has a 5-year limited warranty!**

**MADE IN U.S.A.**

