

Water Tests & Analysis, Systems Design, Equipment & Supplies
Office: 719-687-2928

www.livingwatersway.com

### WATER QUALITY ASSESSMENT & ENGINEERING REPORT - PART 1

### **BASIC CUSTOMER INFORMATION**

Please answer the following questions as completely as possible. You may rely on the fact that any information you provide will be used only for the purpose of engineering a water treatment system most suited to your needs.

How did you hear about us? _			
Customer Name:			
Address:			
City:			
State:	Zip:		
Home or Cell Phone:		Work Phone:	
Fax:	Email:		
Location of Water			

What do you see as your water quality problem and what is your goal in system design?

### WATER AND INSTALLATION PARAMETERS

To insure the proper recommendation for water testing, as well as equipment size and type, please answer all questions to the best of your ability.

1. What is the source of your water? City Well Small Community
Spring, Lake, River Other (Describe):
2. Surrounding Area: City Rural Agricultural Industrial Mining
3. Size of Your House (SF): ☐ less than 1500 ☐ 1500 - 2500 ☐ 2500 – 3500 ☐ 3500 – 5000 ☐ 5000 + Describe:
4. How Old Is the House?
5. How Many People Live In the House? 6. How Many Bathrooms?
7. How Is Your Water Pressure?
8. Pipe Style: Copper PVC CPVC Polybutylene Pex
<ul> <li>9. Pipe Size: □ 1/2" □ 3/4" □ 1" □ 1-1/4" □ 1-1/2"</li> <li>10. Drain Size: □ 2" □ 3" □ 4"</li> <li>11. Do you have a Refrigerator Icemaker/Water Dispenser? □ Yes □ No</li> </ul>
12. Do you have an Instant Hot Water Dispenser?  Yes No
13. Sink Style: Stainless Steel Porcelain Enameled Cast Iron
14. Irrigation water to be treated?
Animals to be watered?  Yes No Gallons used per day:
Describe:
15. Pool water to be treated? Yes No Size:x Gallons in pool:

16. Location for Equipment:  Finished Basement  Unfinished Basement  Crawl Space  Garage  Other (please describe)
Drain Nearby: 🗌 Yes 🗌 No Electrical Outlet Nearby: 🗌 Yes 🗌 No
17. What Is the Color of Your Water?:  Clear  Cloudy  Rusty
Describe:
18. Any Staining On Your Fixtures?:  Brown Black Blue/Green Describe:
19. Any Odor?: None Metallic Musty Rotten Egg
20. Does Your Water Seem Hard?:
21. Do You Buy Bottled Water for Drinking?:  Yes  No
22. Are You Currently Using a Water System?:  Yes No
Type of Equipment Present How Satisfied Are You
☐ Refrigerator Filter: ☐ Very ☐ OK ☐ Not Satisfied
Dedicated Filter:
RO System:     Very OK Not Satisfied
Describe Condition, Problems, and Make, Model, and Size Below
□ Water Softener: □ Very □ OK □ Not Satisfied
Describe Condition, Problems, and Make, Model, and Size Below
□ Other: OK □ Not Satisfied
Describe Condition, Problems, and Make, Model, and Size Below

Other:	Very OK Not Satisfied
Describe Condition, Problems, and Make, Model, a	and Size Below
☐ Other:	☐ Very ☐ OK ☐ Not Satisfied
Describe Condition, Problems, and Make, Model, a	and Size Below
<ul> <li>23. Carbon cartridges typically used in faucet-mount of treatment systems including RO systems are an id Cartridges without bacteriostatic protection (KDF® mold as soon as they are placed in service and sh manufacturer's recommendations or at least every careful about changing carbon cartridges at least</li> <li>Yes No</li> </ul>	or refrigerator filters as well as most water deal breeding ground for bacteria and mold. ∂ or Silver) begin breeding bacteria and hould be replaced according to the y 6 months in any application. Are you every 6 months?
FOR WELL	OWNERS
<ul> <li>24. Type of Well: □ Deep □ Shallow Age Well Depth:ft. Static Water Level:ft.</li> <li>25. Well Casing Size: □ 4" □ 5" □ 6"</li> <li>26. Has Your Well Ever Run Out of Water? □ Your Describe:</li> </ul>	e of Well:yrs ft. Material: ☐ PVC ☐ Steel ☐ Cement Yes ☐ No
27. Type of Pump:  Jet  Submersible  Stro	oke
28. Flow Rate in gallons per minute: 0 Pressure: Pressure Range: Kick-in:	30 PSI: 40 PSI: Kick-out:
29. Pressure Tank Size: gallons Age:	yrs 🔄 Bladder 🗌 Non-bladder
30. Storage Tank #1: Size: gallons	Storage Tank #2: Size: gallons
Material: Steel Plastic Concrete	] Other:
31. Booster Pump:  Yes  No HP:	Gallons per minute:
Brand: Condition:	

32: What else do you think we ought to know in designing a system for you? (Describe Below)



### **TERMS OF SERVICE**

**LIVINGWATERS**<sup>™</sup> Water Engineering and Design Services are provided to the Dealers and Customers of **LIVINGWATERS**<sup>™</sup> Water Treatment Solutions according to the following Terms of Service.

Our Water Engineering and System Design Service is a 3 step system:

- 1. **Customer Information and Water and Installation Parameters.** The customer/installer submits a form outlining the parameters involved in the job.
- 2. Water Test Recommendations. Proper system design requires reliable water testing information. The more demanding the need, the more extensive the water testing must be and the more expensive it becomes. This dynamic makes it tempting to take "short-cuts" that can lead to expensive mistakes. On the other hand unnecessary testing can waste money better used on equipment.

At this stage, our job is to outline the kind of water testing information we need to insure proper system design and steer the customer to reliable, professional tests performed by independent, certified laboratories in order to get appropriate information at the most reasonable prices.

3. **Test Results, Water Analysis, and Engineering Report.** Once we receive water test results we will place the order in our queue for analysis and engineering. Expect a turnaround time of 7 – 10 business days. Should circumstances require a delay, we will notify you as to when you can expect your results.

Our report will outline areas that call for treatment and our rationale for the type of equipment that is most likely to work best in your situation. Our goal is to design a system that will be as affordable to purchase, install, and maintain as possible, without compromising performance or reliability. All recommended components will incorporate proven technologies, and will be manufactured to the highest quality standards by industry leaders.

Sometimes there are several ways to handle a water treatment problem. One method may be more expensive to install but offer high effectiveness and reliability over a wide range of water quality variables, Another may be less expensive to install in the short run but may be less reliable, more sensitive to water conditions, or much more expensive to maintain in the long run.

Our opinions are based on years of experience with a wide variety of equipment installed at locations around the country. We won't suggest any treatment that we don't feel is appropriate and we'll carefully explain why we think our approach is a reasonable way to handle the problem. If there are alternatives that seem to make sense, we will explain them. We will do our best to be clear, but we can't take the time in each report to fully outline the pros and cons of every possible alternative to a particular water problem.

We require a customer phone number so we can call if your information is unclear to us, or if we have any questions we need answered before completing your design. We need a working email address (preferred) and/or physical address so we can send you your completed report. Be aware that we do not rent or sell our customer's contact information nor do we provide it to any person who is not directly involved in the performance of this service. Your installer should be able to install your equipment in a workman like way in compliance with all local plumbing codes, and be willing to provide you a warranty regarding the workmanship involved with the installation of your equipment. Be sure you understand what the terms of that warranty are. Please understand that we do not provide any warranty on installation. Equipment warranties are provided solely by the manufacturer when the equipment is installed and used in accordance with its design parameters. No warranty or guarantees are extended to cover piping systems, appliances, or other water using fixtures, or for damage thereto, or for flooding or damage caused by the failure or any component used in this design. Catalog sheets for each piece of equipment that outline its warranty terms are provided with this report. If any sheet is missing, or if you have any questions, please feel free to ask for any information you might need. While we commit to use industry best practices to engineer a water treatment system suitable for your needs, because system design suggestions are based on limited information provided by the customer, we can offer no warranties or implied warranties of fitness of this design for your particular use. For this reason, neither LivingWaters™ Engineered Water Treatment Solutions nor its parent company Conscious Living Systems, Inc., nor its dealers, nor any of their employees, successors, or assigns, accepts or assumes any liability associated with this water treatment system design. If unforeseen problems become evident in the operation of this design, we will work with you to correct the problem, but the solution may require additional testing, equipment, or changes in the way the equipment is installed. If so, you will be responsible for any additional costs involved in solving the problem. Only the customer and/or their installer can be responsible for determining the suitability of our recommendations under site-specific circumstances, environmental conditions, installation location, and water quality and/or use profile. The customer and their installer are also responsible for ensuring compliance with all applicable laws and regulations. Ongoing service and/or sampling according to a monitoring protocol may be required to determine actual performance, the appropriate frequency of service, and proper operation of the system. In most cases we can train you to do this work yourself. In some cases, this sampling may need to be done by your dealer, installer, or other qualified mechanical contractor/plumber or water conditioning professional.

By engaging in this process I agree to hold harmless LivingWaters™ Engineered Water Treatment Systems, Conscious Living Systems, Inc., its authorized dealers, as well as their employees, successors and assigns, for any inaccurate or incomplete information provided by either myself, my installer, or any water test, and I hereby take full responsibility for selecting, installing, maintaining and using any water treatment equipment suggested by this report.

If you agree with these terms of service, please check the box in front of "I agree." If you are submitting this form electronically, click in the "Customer Signature" space to affix a secure digital signature. If you do not have a digital signature stored on your computer, when the dialog box comes up select "Create a Self-signed Digital ID For Use With Acrobat" and click "Next" and follow the on-screen instructions to register your digital ID. Once your digital ID is affixed to this form, fill in the date and click "Submit."

If you are returning this form by fax or mail and agree with these terms of service, simply sign where indicated and return to your dealer or to our mailing address on the first page of this form.

I agree

Customer Signature

Date

By returning this form, the customer whose name appears above acknowledges that they agree to the "Terms of Service" as outlined above.

### Informational Water Quality Report

### Watercheck

Client:		
Ordered By	:	
Conscious L	iving Systems, Inc.	
P O Box 726	61	
Woodland P	ark, CO 80863	
ATTN: Lonn	ie Ho'ala	



6571 Wilson Mills Rd Cleveland, Ohio 44143 1-800-458-3330

### Sample Number:

803848

Location:

Type of Water: Collection Date and Time: Received Date and Time: Date Completed:

Well Water 1/5/2009 14:00 1/6/2009 11:30 1/12/2009

#### Definition and Legend

This informational water quality report compares the actual test result to national standards as defined in the EPA's Primary and Secondary Drinking Water Regulations.								
<i>Primary Standards:</i> Are expressed as the maximum contaminant level (MCL) which is the highest level of contains allowed in drinking water. MCLs are enforceable standards.								
Secondary standards:	Are non-enforceable guidelines regulating contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor,or color) in drinking water. Individual states may choose to adopt them as enforceable standards.							
Action levels:	re defined in treatment techniques which are required processes intended to reduce the level of a ontaminant in drinking water.							
mg/L (ppm):	Unless otherwise indicated, results and standards are expressed as an amount in milligrams per liter or parts per million.							
Minimum Detection Level (MDL):	The lowest level that the laboratory can detect a contaminant.							
ND:	The contaminant was not detected above the minimum detection level.							
NA:	The contaminant was not analyzed.							
The contamina	ant was not detected in the sample above the minimum detection level.							
The contamina	The contaminant was detected at or above the minimum detection level, but below the standard.							
The contamina	ant was detected above the standard, which is not an EPA enforceable MCL.							
The contamina	The contaminant was detected above the EPA enforceable MCL.							

Status	Contaminant	Results	Units	National Standa	rds I	Vin. Detection Level			
			Microbiologicals						
$\checkmark$	Total Coliform by P/A Total Coliform bacteria was ABSENT in this sample.								
	Inorganic Analytes - Metals								
$\checkmark$	Aluminum	ND	mg/L	0.2	EPA Secondary	0.1			
	Arsenic	0.006	mg/L	0.01	EPA Primary	0.005			
$\checkmark$	Barium	ND	mg/L	2	EPA Primary	0.30			
$\checkmark$	Cadmium	ND	mg/L	0.005	EPA Primary	0.002			
	Calcium	253.0	mg/L			2.0			
$\checkmark$	Chromium	ND	mg/L	0.1	EPA Primary	0.010			
	Copper	0.028	mg/L	1.3	EPA Action Leve	0.004			
$\bigwedge$	Iron	0.920	mg/L	0.3	EPA Secondary	0.020			
	Lead	0.005	mg/L	0.015	EPA Action Leve	0.002			
	Magnesium	78.00	mg/L			0.10			
$\bigwedge$	Manganese	2.700	mg/L	0.05	EPA Secondary	0.004			
$\checkmark$	Mercury	ND	mg/L	0.002	EPA Primary	0.001			
$\checkmark$	Nickel	ND	mg/L			0.02			
$\checkmark$	Selenium	ND	mg/L	0.05	EPA Primary	0.020			
$\checkmark$	Silver	ND	mg/L	0.1	EPA Secondary	0.002			
	Sodium	63	mg/L			1			
	Zinc	0.068	mg/L	5	EPA Secondary	0.004			
			Physica	I Factors					
	Alkalinity (Total)	98	mg/L			20			
$\bigwedge$	Hardness	950	mg/L	100	NTL Internal	10			
$\bigwedge$	рН	5.7	pH Units	6.5 to 8.5	EPA Secondary				
$\bigwedge$	Total Dissolved Solids	1300	mg/L	500	EPA Secondary	20			
$\bigwedge$	Turbidity	9.2	NTU	1	EPA Action Leve	el 0.1			
			Inorganic Ar	alytes - Other					
	Chloride	820.0	mg/L	250	EPA Secondary	5.0			

Status	Contaminant	Results	Units	National Standa	rds	Min. Detection Level
	Fluoride	1.4	mg/L	4	EPA Secondary	0.5
$\checkmark$	Nitrate as N	ND	mg/L	10	EPA Primary	0.5
$\checkmark$	Nitrite as N	ND	mg/L	1	EPA Primary	0.5
	Sulfate	24.0	mg/L	250	EPA Secondary	/ 5.0
		Orç	ganic Analytes	s - Trihalometha	nes	
$\checkmark$	Bromodichloromethane	ND	mg/L			0.002
$\checkmark$	Bromoform	ND	mg/L			0.004
$\checkmark$	Chloroform	ND	mg/L			0.002
$\checkmark$	Dibromochloromethane	ND	mg/L			0.004
$\checkmark$	Total THMs	ND	mg/L	0.08	EPA Primary	0.002
			Organic Anal	ytes - Volatiles		
$\checkmark$	1,1,1,2-Tetrachloroethane	ND	mg/L			0.002
$\checkmark$	1,1,1-Trichloroethane	ND	mg/L	0.2	EPA Primary	0.001
$\checkmark$	1,1,2,2-Tetrachloroethane	ND	mg/L			0.002
$\checkmark$	1,1,2-Trichloroethane	ND	mg/L	0.005	EPA Primary	0.002
$\checkmark$	1,1-Dichloroethane	ND	mg/L			0.002
$\checkmark$	1,1-Dichloroethene	ND	mg/L	0.007	EPA Primary	0.001
$\checkmark$	1,1-Dichloropropene	ND	mg/L			0.002
$\checkmark$	1,2,3-Trichlorobenzene	ND	mg/L			0.002
$\checkmark$	1,2,3-Trichloropropane	ND	mg/L			0.002
$\checkmark$	1,2,4-Trichlorobenzene	ND	mg/L	0.07	EPA Primary	0.002
$\checkmark$	1,2-Dichlorobenzene	ND	mg/L	0.6	EPA Primary	0.001
$\checkmark$	1,2-Dichloroethane	ND	mg/L	0.005	EPA Primary	0.001
$\checkmark$	1,2-Dichloropropane	ND	mg/L	0.005	EPA Primary	0.002
$\checkmark$	1,3-Dichlorobenzene	ND	mg/L			0.001
$\checkmark$	1,3-Dichloropropane	ND	mg/L			0.002
$\checkmark$	1,4-Dichlorobenzene	ND	mg/L	0.075	EPA Primary	0.001
$\checkmark$	2,2-Dichloropropane	ND	mg/L			0.002

Status	Contaminant	Results	Units	National Star	ndards	Min. Detection Level
$\checkmark$	2-Chlorotoluene	ND	mg/L			0.001
$\checkmark$	4-Chlorotoluene	ND	mg/L			0.001
$\checkmark$	Benzene	ND	mg/L	0.005	EPA Primary	0.001
$\checkmark$	Bromobenzene	ND	mg/L			0.002
$\checkmark$	Bromomethane	ND	mg/L			0.002
$\checkmark$	Carbon Tetrachloride	ND	mg/L	0.005	EPA Primary	0.001
$\checkmark$	Chlorobenzene	ND	mg/L	0.1	EPA Primary	0.001
$\checkmark$	Chloroethane	ND	mg/L			0.002
$\checkmark$	Chloromethane	ND	mg/L			0.002
$\checkmark$	cis-1,2-Dichloroethene	ND	mg/L	0.07	EPA Primary	0.002
$\checkmark$	cis-1,3-Dichloropropene	ND	mg/L			0.002
$\checkmark$	DBCP	ND	mg/L			0.001
$\checkmark$	Dibromomethane	ND	mg/L			0.002
$\checkmark$	Dichlorodifluoromethane	ND	mg/L			0.002
$\checkmark$	Dichloromethane	ND	mg/L	0.005	EPA Primary	0.002
$\checkmark$	EDB	ND	mg/L			0.001
$\checkmark$	Ethylbenzene	ND	mg/L	0.7	EPA Primary	0.001
$\checkmark$	Methyl Tert Butyl Ether	ND	mg/L			0.004
$\checkmark$	Styrene	ND	mg/L	0.1	EPA Primary	0.001
$\checkmark$	Tetrachloroethene	ND	mg/L	0.005	EPA Primary	0.002
$\checkmark$	Toluene	ND	mg/L	1	EPA Primary	0.001
$\checkmark$	trans-1,2-Dichloroethene	ND	mg/L	0.1	EPA Primary	0.002
$\checkmark$	trans-1,3-Dichloropropene	ND	mg/L			0.002
$\checkmark$	Trichloroethene	ND	mg/L	0.005	EPA Primary	0.001
$\checkmark$	Trichlorofluoromethane	ND	mg/L			0.002
$\checkmark$	Vinyl Chloride	ND	mg/L	0.002	EPA Primary	0.001
$\checkmark$	Xylenes (Total)	ND	mg/L	10	EPA Primary	0.001

Status	Contaminant	Results	Units	National Standards	Min. Detection Level

We certify that the analyses performed for this report are accurate, and that the laboratory test were conducted by methods approved by the U.S. Environmental Protection Agency or variations of these EPA methods.

These test results are intended to be used for informational purposes only and may not be used for regulatory compliance.

### National Testing Laboratories, Ltd.

NATIONAL TESTING LABORATORIES, LTD



Water Tests & Analysis, Systems Design, Equipment & Supplies P. O. Box 7261, Woodland Park, CO 80863 Office: 719-687-2928 or 888-524-8627 • www.livingwatersway.com

### WATER QUALITY ASSESSMENT & ENGINEERING REPORT - PART 3

### **TEST RESULTS, WATER ANALYSIS & ENGINEERING REPORT**

Customer Name:

Dealer:

Date:

### WATER TEST BOTTOM LINE

- THE CONSUMPTION OF THIS WATER IS LIKELY TO BE SAFE
- THE CONSUMPTION OF THIS WATER IS NOT RECOMMENDED OVER EXTENDED PERIODS OF TIME FOR THE FOLLOWING REASONS:
- THIS WATER IS NOT SAFE! CONSUMPTION OF THIS WATER BEFORE PROPER TREATMENT IS NOT RECOMMENDED!

Contaminant	Units	Result	<b>EPA Limit</b>	Goal		
Microbiologicals						
Total Coliform:	5 tube sample		≤5% pos	ABS		
E. Coli	5 tube sample		0	ABS		
Free Chlorine:	mg/L (Parts Per Million)		0.5	0		
Total Chlorine:	mg/L (Parts Per Million)		2.0	0		
	Physical Facto	rs				
Alkalinity (Total):	mg/L (Parts Per Million)		-	>30 - <300		
Carbonate Alk (as CaCO <sub>3</sub> ):	mg/L (Parts Per Million)		120	-		
Bicarbonate Alk (as CaCO <sub>3</sub> ):	mg/L (Parts Per Million)		-	-		
Hardness:	GPG(Grains Per Gallon)		-	≤5		
pH:	Standard Units		6.5 - 8.5	7.0 - 8.0		
Total Dissolved Solids:	mg/L (Parts Per Million)		500*	250		
Turbidity:	NTU		1	<.5		
Ino	rganic Analytes -	Metals		-		
Aluminum:	mg/L (Parts Per Million)		0.05-0.2*	0		
Arsenic:	µg/L (Parts Per Billion)		10	0		
Barium:	mg/L (Parts Per Million)		-	0		
Cadmium:	mg/L (Parts Per Million)		2	0		
Calcium:	mg/L (Parts Per Million)		-	-		
Chloride:	mg/L (Parts Per Million)		250	<50		
Chromium:	mg/L (Parts Per Million)		0.1	0		
Copper:	mg/L (Parts Per Million)		1.3	≤0.5		
Fluoride:	mg/L (Parts Per Million)		2.0-4.0	≤0.5		
Ferrous Iron:	mg/L (Parts Per Million)		0.3*	0		
Total Iron:	mg/L (Parts Per Million)		0.3*	0		
Hydrogen Sulfide	mg/L (Parts Per Million)		-	0		
lodine:	mg/L (Parts Per Million)		-	0		
Lead:	mg/L (Parts Per Million)		-	0		
Magnesium:	mg/L (Parts Per Million)		-	-		
Manganese:	mg/L (Parts Per Million)		0.05*	0		
Nitrate/Nitrite Nitrogen:	mg/L (Parts Per Million)		10	0		
Potassium:	mg/L (Parts Per Million)		-	-		
Silica:	mg/L (Parts Per Million)			<15		
Sodium:	mg/L (Parts Per Million)		-	<20		
Strontium:	mg/L (Parts Per Million		-	0		
Sulfate:	mg/L (Parts Per Million)		250*	0		
Tannins & Lignin's:	mg/L (Parts Per Million)		-	0		
Uranium:	µg/L (Parts Per Billion)			<20		
Zinc:	mg/L (Parts Per Million)		5	<2		

#### Mineral Analysis

Mineral	ppm	CaCO3 Equiv	gpg	Equiv. Wt.	$CaCO_3$ Equiv
CATIONS				0.004	0
Aluminum				18 0386	0
Calcium	253	632 5	14 7953216	20.02	36 9476982
Hydrogen	200	052.5	0	1.00797	00.0470002
Iron	0.92		0.05380117	27.924	0.0964217
Magnesium	78	321.36	4.56140351	12.156	18.7788284
Potassium			0	39.102	0
Sodium	63	136.71	3.68421053	22.9898	8.01991822
MEASURED CATIONS	394.92				63.8428665
ANIONS					
Hydroxide			0	17.007	0
Carbonate			0	30.005	0
Bicarbonate	2.4		0	61.017	0
Sulfate	24		1.403508//	48.031	1.46235965
	820		47.9532164	35.453	67.6901451
Niliale Phosphato			0	02.005	0
Fluoride	14		0 08187135	18 998	0 21566752
Sulfide	1.4		0.0010/135	16.032	0.21300732
MEASURED ANIONS	845.4		J. J	101032	69.3681722
COMPOUNDS					
Aluminum Sulfate			0	57.025	0
Calcium Carbonate			0	50.045	0
Calcium Bicarbonate		0	0	81.057	0
Calcium Sulfate		0	0	68.071	0
Calcium Chloride		0	0	55.493	0
Calcium Hydroxide		0	0	37.047	0
Magnesium Carbonate		0	0	42.161	0
Magnesium Bicarbonate		0	0	/3.1/3	0
Magnesium Sulfate		0	0	47.009	0
Sodium Bicarbonate		0	0	84 007	0
Sodium Carbonate		0	0	52,995	0
Sodium Chloride		0	0	58,443	0
Sodium Sulfate		0	0	71.021	0
Alkalinity	98	80.36			
Hardness	950		55.5555556		
TOTAL CATIONS			63.8428665		
MEASURED ANIONS			69.3681722		
Bicarbonate $HCO_3$ )	-4.53		-5.52530571	TDS	Conductivity
TOTAL ANIONS			63.8428665	1300	1940
Hardness	950		55.5555556		
Ca+Mg	331		55.7265266		

### **CORROSIVITY INDEX**

### (Calculated result based on the Langelier Saturation Index, and the Ryznar Stability Index from information obtained by testing water quality parameters)

The cost of corrosion can be expensive. Corrosion can impact you and your family's health, the way your water looks and tastes, wastes money, and damages your household piping and fixtures.

Corrosive water costs you in a number of ways:

- 1. It decreases the efficiency of hot water heaters and may cause premature failure to the heater;
- 2. It can damage and cause the premature failure of household plumbing and plumbing fixtures;
- 3. It imparts a bitter taste to your water because of elevated levels of metals, thus causing you to purchase expensive bottled water;
- 4. It results in the formation of red water or greenish blue stains on pipes and drains; and
- 5. Consumption of water with elevated levels of toxic metals, such as: lead and copper, have been shown to cause both acute and chronic health problems.

Besides aesthetic concerns, the corrosion process can result in the presence of toxic metals in your drinking water. These metals include: chromium, copper, lead, and zinc. In most states there are no regulations that require private water supplies to be tested or treated for corrosivity or even toxic metal, pathogenic organisms, or organic chemicals. That is why we calculate the corrosive potential of your water if the appropriate information has been supplied.

### LANGELIER SATURATION INDEX (LSI)

The Langelier Saturation Index is a means of evaluating water quality data to determine if the water has a tendency to be either corrosive, balanced, or form hardness scale. In order to calculate this index, the following laboratory analysis is needed: pH, conductivity, total dissolved solids, alkalinity, and total hardness. Because many other factors can contribute to these issues, this index should be seen as a guide, not a rule.

The Saturation Index is typically either negative or positive and rarely a perfect "0." A Saturation Index of zero indicates that the water is "perfectly balanced" and is less likely not to cause scale formation. A negative SI suggest that the water is would be under saturated with respect to carbonate equilibrium and the water may be more likely to have a greater corrosive potential.

For LSI > 0, water is super saturated and the higher the value, the more the water tends to precipitate hardness scale.

For LSI = 0, water is in equilibrium) with CaCO3 . A scale layer of CaCO3 is neither precipitated nor dissolved

For LSI < 0, water is under saturated and tends to dissolve solid CaCO3 and be corrosive.

In practice, water with an LSI between -0.5 and +0.5 will not display enhanced mineral dissolving or scale forming properties. Water with an LSI below -0.5 tends to exhibit noticeably increased corrosivity while water with an LSI above +0.5 tends to exhibit noticeably increased scale forming properties. It is also worth noting that the LSI becomes more positive as the water temperature increases. This has particular implications in situations where well water is used. The temperature of the water when it first exits the well is often significantly lower than the temperature it reaches inside the building served by the well or at the laboratory where the LSI measurement is made. This means that as the water warms, it tends to be less corrosive and form more hardness scale.

### **RYZNAR STABILITY INDEX (RSI)**

The Ryznar stability index (RSI) attempts to correlate an empirical database of scale thickness observed in municipal water systems to the measured water chemistry of the sample. Like the LSI, the RSI has its basis in the concept of saturation level. For 6.5 < RSI < 7 water is considered to be approximately at saturation equilibrium with calcium carbonate

For RSI > 8 water is under saturated and, therefore, would tend to dissolve any existing solid CaCO3

For RSI < 6.5 water tends to be scale forming.

Index	Result	Goal	Description	Recommendation
Langelier Saturation Index:		> -0.5 LSI < +0.5		
Ryznar Stability Index:		6.5 > RSI < 8		

### **NOTES ABOUT THIS TEST**

- The presence of coliform/e.coli bacteria in this water test indicates the possibility of contamination from pathogenic microorganisms. Consumption of this water without proper filtration and conditioning may be very dangerous to health
- The system's close proximity to surface water and/or waste disposal facilities indicates a high possibility of contamination from chlorine resistant giardia lamblia or other cyst forming protozoa, cryptosporidium oocyst forming bacteria, viruses, or other forms of infections pathogens. Consumption of this water without proper filtration and conditioning may be very dangerous to health.
- Lead is present in this water supply. Its presence may be due either to lead used in brass plumbing parts, lead solder used in the building's plumbing, or a submersible pump made with lead alloys. These pumps leach dangerous amounts of lead into well water. The EPA has installed a toll-free hotline, which well users can call for additional information. The number is 1-800-426-4791. Consumption of even small amounts of lead can lead to irreversible brain damage, intellectual and development problems, and other nervous system impairments. Fetuses or young children are particularly at risk. Consumption of this water without proper filtration and conditioning may be very dangerous to health.
- Arsenic is present in this water supply. It is a naturally occurring contaminant that is widespread. It can also enter the water supply due to industrial contamination from electroplating operations and/or herbicides leaching into groundwater supplies. Consumption of even small amounts of arsenic can lead to dry skin, changes in skin pigmentation (keratosis), irreversible nervous system damage, ganglion cysts, tingling in hands and feet, cancer, liver and heart problems. Over time, chronic arsenosis can cause death. Consumption of this water without proper filtration and conditioning may be very dangerous to health.
- High levels of water hardness should be treated. The presence of high levels of hardness ions (dissolved calcium carbonate and magnesium) will cause plumbing and appliance damage due to scale. Energy consumption to heat water can be expected to be at least 30% more initially, rising as scale accumulates. Scale damages the interior of hot water heaters shortening service life by 50% or more. It is also likely that the service life of other appliances and equipment like washers, dishwashers, hot water boilers, toilet, sink and tub valves will be reduced by 50% or more. If automatic dryers are used to dry laundry, clothing will wear out up to 50% faster. Soap and detergent consumption may be expected to be 3 to 10 times greater than required for soft water conditions.

	High levels of mercury, cadmium, and/or other heavy metals are present in this water supply. This is usually due to the system's proximity to industrial areas, or areas where herbicide use is common. Consumption of very small amounts of heavy metals over time can lead to irreversible brain damage, intellectual and development problems, and other nervous system impairments, cancer, liver and heart problems. Consumption of this water without proper filtration and conditioning may be very dangerous to health.
_	

- Nitrates are present in this water supply. Nitrates are usually due to the system's close proximity to agricultural areas and/or waste treatment facilities. Nitrate levels may fluctuate, and high levels (over 10 ppm) may be present at certain times of the year. When water contains high levels of nitrates, the blood cannot absorb oxygen properly. This is extremely hazardous for children under 2 years of age and elderly and/or infirmed people. Consumption of this water without proper conditioning may be dangerous to health at times when nitrate levels are high.
- The pH of this water is beyond a range considered normal. Treatment to moderate pH may be necessary to avoid unnecessary damage to plumbing and/or appliances. In addition, low pH may dissolve copper from plumbing and high levels of copper in drinking water may cause pancreatitis and other serious digestive difficulties.

### **OTHER NOTES**

### **TREATMENT SYSTEM RECOMMENDATIONS**

### **POINT-OF-ENTRY (WHOLE HOUSE RECOMMENDATIONS)**

### SEDIMENT PRE-FILTRATION:

Sediment Spin-dow	n Filter	
🗌 1 micron 🗌 5 mi	cron 🗌 25 micron	
Nanoceram® for Co	olloidal Turbidity	
Deep bed mixed med	edia backwashing systen	n
Other:		
<b>BASIC SYSTEM:</b>		
Chemical Reduction	System	
Carbon	Catalytic Activated	Carbon
Light Load	Medium Load	🗌 Heavy Load
Acid Neutralizing Sy	vstem	
Light Load	Medium Load	🗌 Heavy Load
Scale Prevention Sy	vstem	
Light Load	Medium Load	🗌 Heavy Load
Ion-Exchange Softe	ner (Sodium or Potassiu	m Based)
Light Load	Medium Load	Heavy Load
Mixed Bed Deioniza	tion System	
Light Load	Medium Load	Heavy Load
Tannin Removal Sys	stem	
Light Load	Medium Load	🗌 Heavy Load
Uranium Removal S	System	
Light Load	Medium Load	Heavy Load
Iron/Manganese Filt	ration	
Light Load	Medium Load	Heavy Load
Oxidizing Media Bad	ckwashing System	_
Light Load	Medium Load	Heavy Load
Whole House Ultrafi	Itration System	<b>—</b>
		Heavy Load
		<b>—</b>
		☐ Heavy Load
		☐ Heavy Load

Chemical Feed System
Light Load Medium Load Heavy Load
Description:
<ul> <li>Well Chlorination System (Requires 6" well-casing to bottom of well)</li> <li>Open-Air Chlorination System with Re-pressurization Pump and Multi-media Backwashing Filter</li> <li>10 GPM</li> <li>18 GPM</li> <li>25 GPM</li> <li>Air Stripping for Radon and Extreme Hydrogen Sulfide</li> <li>Methane Removal</li> </ul>
Other:
<u>FOSI-IREAIMENIS:</u>
☐ 1 micron ☐ 5 micron ☐ Nanoceram for Cysts
Coconut Shell Carbon Polishing Filter for Taste/Odors
KDF®55/Coconut shell carbon for taste, odors, and bacteriostatic effects
Carbon Block Polishing Filter
Carbon Block Polishing Filter with Lead-Adsorbent Resin
Ultraviolet Light
HydroSafe® System with UV Light
Other:
<b>R</b> ECOMMENDED TREATMENT SYSTEMS FOR DRINKING WATER ONLY
Basic System:
Cartridge-based Countertop or Undercounter System
TFC Reverse-Osmosis w/KDF® Countertop or Undercounter System
Booster Pump Re-mineralization UV Light
Chloramines/PPCPs Arsenic/Fluoride Nitrate UV Ligh
RECOMMENDED TREATMENT SYSTEMS FOR BATHING WATER ONLY
ShowerSprite <sup>™</sup> Shower Filter (for chlorinated water.)

Whole-House Standard Carbon (for chlorinated water.)

Whole-House Catalytic Activated Carbon (for PPCPs or chloraminated water.)

### **DESIGN SUMMARY**

### **DESIGN SUMMARY** (Continued)

### **Customer Quote**

P. O. Box 7261, Woodland Park, CO 80863

Date of Quote

CLS2491

Quote Number

	Purchased by		Shi	pping Address	S	
CLS Customer ID	CON5877					
EMail EMail	Home Cell Work	Carrier		Priority		
information is	incorrect or out-of-date. Thank you.	Tracking	g Number			
Product ID	Qty Description			Price	Stock?	Ext. Price
LWN10B	1 AquaRinse, Calcite, 10 gpm, Ba	ackwashing Neutra	lizing Conditioner	985.00	$\boxtimes$	985.00
SIC110	1 Chlorinator, 110v Sentry 1, Use	s 1 gram chlorine	pellets	1,100.00		1,100.00
C21005	1 Chlorine Pellets, 5# Jar, 1 gram	ı pellets		53.50		53.50
LWMMF10	1 AquaRinse, Multimedia, 10 gpn	n, High Capacity Ba	ackwashing Filter	1,550.00		1,550.00
LWSN20	1 AquaRinse, Filtersorb, 6.5 liter, Conditioning System	10 gpm, 60 grain,	Salt-Free	2,275.00		2,275.00
LWMRO	1 System RO, LivingWaters™ Ma	anifold with "Euro" I	Faucet	549.00		549.00
NOTE: Prices do	not include freight or installation		Items	s Subtotal		\$6,512.50
Comments	Discount Type		Rate			
				Subtotal		\$6,512.50
			Tax Rate	Тах		
			Shipping & Har	ndlingCost		
	8160	\$6 512 50	То	tal Credits		
Payment Method	Number Payment Amount E	BALANCE DUE	То	tal Invoice		\$6,512.50
	Thank You fo	or Your Busi	ness!			

### LIVINGWATERS<sup>™</sup> PRODUCT CATALOG

Date: 1/31/2009

### AquaRinse, Calcite, 10 gpm, Backwashing Neutralizing Conditioner

### **Specifications and Dimensions**

Connections	3/4" or 1" (specify)			
Dimensions	10" x 54"			
Op. Pressure	30 - 125 psi			
Op. Temperature	40° to 110° F (4° to 45°C)			
Tank	Enpress			
Distributor	Vortech			
Valve	Clack			
Service Flow	10 gpm			
Backwash Rate	10 gpm			
Shipping Weight (pounds)				

### **Average Capacity**

Refill when pH drops below 6.8

#### Installation

Handyman



### Warranty information

10 year limited warranty on valves and tank

#### Purpose

Water pH below 6.5 can often be suitable for drinking, but it can dissolve copper causing digestive difficulties, and destroy plumbing and fixtures. It can also interfere with the operation of other equipment designed to handle other problem contaminants. This LivingWaters<sup>™</sup> Backwashing Neutralizing Conditioner is ideal for people who want to avoid chemical feeds to solve corrosion problems caused by acid water while preventing the build-up of iron and manganese on the media.

#### Details

This LivingWaters<sup>™</sup> neutralizing filter utilizes an downflow, backwashing design to dissolve a mixture of calcite (calcium carbonate) and corosex (magnesium oxide) to moderate water with low (acidic) pH content. These are totally natural media that will release the healthy nutrients of calcium and magnesium into the water just the way nature intended. No unnatural chemicals are necessary. This backwashing system is designed for waters with high levels of iron and manganese that can precipitate out on the media and compromise its performance if not removed. A dome hole in the tank makes refilling with media a simple task because the system does not have to be removed from the plumbing for the purposes of refilling.

### **Features and Benefits**

- Compared to chemical feeders, system is inexpensive to install and maintain!
- No chemicals!
- Healthy natural forms of calcium and magnesium are added to the water.
- Premium Clack backwashing valve is reliable and effective.
- Replacement media is inexpensive and long lasting.
- Refill port in dome of tank makes refilling easy.
- Integrated bypass valve makes installation simple.

### What's Included

Almond 10 x 54, Enpress<sup>™</sup> tank with refill port, Vortech® distributor system, premium Clack backwashing valve, integrated bypass valve, and 1" PVC installation kit. 1" Brass or 1" Sharkbite installation kits are also available (please specify when ordering.) Media includes 3 bags of calcite, 1/2 bag of corosex. Simply fill the tank with the media using the funnel provided, screw on the valve, install the system and enjoy fresh, clean, water at every tap in your home.

### **Water Requirements**

This system will handle water down to 4.5 pH with alkalinity of 250 ppm or less.

**Technical Information** 

### LIVINGWATERS<sup>™</sup> PRODUCT CATALOG

Date: 11/12/2008

### Chlorinator, 110v Sentry 1, Uses 1 gram chlorine pellets

### **Specifications and Dimensions**

Connections Dimensions 15" x 15" x 25" Op. Pressure Op. Temperature Tank Distributor Valve Service Flow Backwash Rate Shipping Weight (pounds) 23



5 year limited warranty on the plastics and hardware, and 2 year limited warranty on the

**SIC110** 

Model #:

Warranty information

electrical components.

### Average Capacity

### Installation

Professional

#### Purpose

Sentry I Dry-Pellet chlorinator fits on the well head to treat water at its source for iron, manganese, hydrogen sulfide, and to help control problem bacteria.

### Details

Problem water situations such as iron, algae, rotten egg smell, and bacteria originate in the well - not in the home. By adding chlorine directly to your well in measured amounts, you can solve these problems where they originate. The Sentry 1 Dry Pellet Chlorinator works like a gum ball machine, and drops a precise amount of chlorine down into a well or cistern where it gets into the water supply and oxidizes problem contaminants, protecting not only your well, but your pump and all underground piping as well.

The Sentry 1 system is a great solution that treats iron, manganese, rotten egg smell, methane gas, radon, tannins, algae, mold, bacteria and more. Best of all, the amount of chlorine residual can be precisely controlled so that it is LESS than commonly found in many city water supplies. This patented system is highly reliable. There are only three moving parts so maintenance is negligible. All you need to do is add inexpensive chlorine tablets to the feeder as required.

### The Sentry 1 Dry pellet chlorinator works on 110v

### **Features and Benefits**

• Increased water quality means reduced operating costs for all plumbing and appliances that use water.

- Increased water quality means healthier families and healthier livestock.
- Insures that water is safe from microbiological pathogens.
- Effectively removes both trivalent and pentavalent arsenic as long as sufficient iron is present in water supply.
- Simple installation and maintenance.
- Inexpensive operation.

### What's Included

Well head chlorination unit and 5# dry-chlorine tablets.

### Water Requirements

Well casing of 6" to provide clearance for tablets to fall past submersible pumps.

**Technical Information** 



Water Tests & Analysis, Systems Design, Equipment & Supplies Office: 719-687-2928 or 888-524-8627 • www.livingwatersway.com



# **SENTRY I**

### Dry Pellet Chlorinator Protecting Your Water 24 Hours a Day Every Day of the Year

# FACT: Everyone WANTS to believe that their water is great.

Unfortunately, ground water problems can be a nightmare because water is the universal solvent. Water can dissolve much of what it comes in contact with.

# FACT: If you have a private well, YOU are the President of your own utility company.

If you are the President, who do you think is responsible for providing quality water to your home, farm, or business?

# FACT: Problem water situations such as iron, manganese, algae, rotten egg smell, and bacteria exist in the well.

Sentryl solves these problems where they originate ... in the well. Furthermore, it does so without the need to introduce salt or other dangerous chemicals back into the environment.

## **SENTRY I**

Reliable, Affordable, Effective



Water Tests & Analysis, Systems Design, Equipment & Supplies Office: 719-687-2928 or 888-524-8627 • www.livingwatersway.com

### Sentry I Dry-Pellet Chlorinator Cistern Mount



- 2) Drop tube (3/4" CPVC) must be below the Low Water Level.
- 3) Chlorinator should be wired to the well pump OR the fill float if the tank is electrically filled (i.e. when the tanks receive water the chlorinator should be running.)

The Sentry I can be mounted to the wall or tank.

The drop tube can have a ° angle in it, but it is best if it is a straight drop.



or years we have been attempting to treat water problems at the wrong place. We should be treating them where they exist - at the well.

LIVINGWATERS<sup>™</sup> SYSTEMS understands this and introduces the SENTRY I Dry Pellet Chlorinator.

Now, private well owners can enjoy the many benefits that the SENTRY I Dry Pellet Chlorinator offers.

The SENTRY I simply works like a "gum ball machine or corn planter" and drops the precise amount of chlorine down the well and into the water supply. The amount of chlorine residual may be regulated to be LESS than that found in some city supplies. There are only 3 moving parts in the SENTRY I and the entire process is patented! Furthermore, the SENTRY I is set EXACTLY for your particular water problem.

Homeowners and business owners enjoy the SENTRY I because of the inexpensive operation and simple maintenance.

In addition, with SENTRY I you can rest assured that your water problems are being solved and your pump, as well as all underground piping, are protected.



The SENTRY I system is a great oxidizer that treats iron, manganese, rotten egg smell and helps control iron bacteria problems. If coliform bacteria exists in your well please contact your state agency for regulating private wells or water supplies for further instructions.

If you live on a farm you'll enjoy even more added benefits. Many SENTRY I Customers insist that the SENTRY I kills algae in cow tanks and reduces stress and medication costs with farm animals.

Maintenance costs decrease on water systems and nipples. It all adds up to more savings and benefits.

It doesn't make any difference if your well is providing water for your home...farm...or business.

The SENTRY I stands guard protecting your water 24 hours a day - EVERY day of the year!



### LIVINGWATERS<sup>™</sup> PRODUCT CATALOG

Date: 11/12/2008

### AquaRinse, Multimedia, 10 gpm, High Capacity Backwashing Filter

### **Specifications and Dimensions**

Connections	3/4" or 1" (specify)		
Dimensions	13" x 54"		
Op. Pressure	30 - 125 psi		
Op. Temperature	40° to 110° F (4° to 45°C)		
Tank	Enpress		
Distributor	Vortech		
Valve	Clack		
Service Flow	10 gpm		
Backwash Rate	10 gpm		
Shipping Weight (pounds) 325			

### **Average Capacity**

#### Installation

Handyman

#### Purpose

This AquaRinse, 10 gpm, High Capacity Multimedia Backwashing Filter is specially designed to work with the LivingWaters<sup>™</sup> AquaClean Problem Water Solver to remove heavy loads of oxidized particulates from chlorine treated water.

#### Details

This AquaRinse Multimedia Backwashing Filter contains 5 different kinds of oxidizing and sediment reduction media. It is effective for particles down to 5 microns and will remove chlorine and the disinfection by-products of chlorine rendering the product water sparkling clean and odor free! Unlike most similar backwashing filters, this unit requires less than half the backwash water making it ideal for low-producing wells.



Model #:

### Warranty information

10 year limited warranty on valves and tank

#### LWMMF10

### **Features and Benefits**

- Highly effective on sediment, dirt, and oxidized iron, arsenic and manganese.
- Removes chlorine and the disinfection by-products of chlorine.
- Effective on particles down to 5 micron in size
- High dirt-holding capacity and less pressure drop means less backwash water required.
- No chemical feeds or on-going maintenance required.

### What's Included

This unit features an black 13 x 54 Enpress Tank fitted with a Vortech distributor system; a Clack CK10 Timeclock Valve with integrated bypass valve & 1" Plastic tailpieces. 1" Brass or 1" Sharkbite installation kits are also available (please specify when ordering.) Media includes 16# 1/4" and 16# 1/8" Gravel Underbedding, .5 CF Greensand, 2 CF 20 x 50 GAC, and 1/3 CF Micro-Z®. Simply fill the tank with the media using the funnel provided, screw on the valve, install the system and enjoy fresh, clean, water at every tap in your home.

### **Water Requirements**

**Technical Information** 

# **AQUARINSE™ Multi-Media Backwashing Filter** For consumers who demand the very best!



### Enjoy the many benefits an **A**QUA**R**INSE<sup>™</sup> **Multi-Media Backwashing Filter Provides**

- Innovative 5-Stage Design for total all-in-one whole house water treatment.
- No need for the expense of several tanks.
- Dramatically reduce backwash requirements.
- Multi-stage design maximizes media life and effectiveness.
- Removes sediment and other fine particulates.
- Eliminates chlorine, tastes, and odors.

WAT **ENGINEERED WATER TREATMENT SOLUTIONS** 

### **AQUARINSE™ Multi-Media Backwashing Filter** For consumers who demand the very best!



#### Metered valve for greater efficiency

Our control valve is metered for greater efficiency and reduced backwash requirements because regeneration is based on water consumption. Digital LCD display provides information on usage and gallons remaining before the next regeneration cycle.

### Features & Benefits

- Designed for whole house water treatment with minimum pressure drop.
- Far lower backwash requirements means less water storage and shorter recovery times for low producing wells.
- Highly effective particulate removal down to five microns means clear water and clean laundry.
- Large carbon bed effectively removes chlorine, tastes and odors!



### **Specifications**

Pre-Filter

removes small particles

far less backwashing.

Activated Carbon

**High Efficiency** 

Post Oxidation

treatment to remove remaining particulates and any unoxidized contaminants.

Media

	Model	Tank Size	Capacity (gal/minute)	Integrated By-Pass	Removes Chlorine	Removes Particulate	Removes Taste & Odor	Removes Iron
	LWMMF10	10 x 54	5 gpm					
ľ	LWMMF13	13 x 65	10 gpm					

### LIVINGWATERS<sup>™</sup> PRODUCT CATALOG

Date: 1/31/2009

# AquaRinse, Filtersorb, 6.5 liter, 10 gpm, 60 grain, Salt-Free Conditioning System

### **Specifications and Dimensions**

Connections	3/4" or 1" (specify)			
Dimensions	10" x 54"			
Op. Pressure	30 - 90 psi			
Op. Temperature	40° to 140° F (4° to 60° C)			
Tank	Enpress			
Distributor	Upflow			
Valve	Clack			
Service Flow	10 gpm			
Backwash Rate	None			
Shipping Weight (pounds)				

### **Average Capacity**

Up to Up to 60 gpg (1000 mg/L) of hardness

### Installation

Handyman

### Purpose

This AquaRinse Water Conditioner with Filtersorb® is designed to provide efficient removal of up to 60 gpg (1000 mg/L) of hardness from water on a flow of up to 10 gpm without the need for chemicals, salt, or maintenance of any kind.

### Details

AquaRinse Water Conditioners with Filtersorb® offer a new, patented filter media based on the science of nanotechnology to prevent hardness scale from forming. The process is so efficient it will also remove existing scale from pipes and heat exchangers. It is a proven technology that provides conditioned water without the slippery feel because no salt is added to the water. Conditioned water retains all the traditional benefits of softeners including 50% less soap required for laundry and dishes, and no difficult to remove scale build-up on fixtures and tub/shower enclosures. Besides conditioning water without the need for salt, this technology will also replace scale with a 10 micron "glasslike" coating on wetted plumbing surfaces thereby providing corrosion protection without the need for chemicals.



Warranty information

10 year limited warranty on valves and tank; 5 year limited warranty on media.

#### Model #: LWSN20

### **Features and Benefits**

- Easy Installation and Set-Up, No Drain or Power Required, No Maintenance
- No Salt Bags, Easier on the Environment, No Restrictions Because of Softener Bans
- No Scale Build-up on Fixtures and Appliances. Removes Existing Scale in Piping
- Provides corrosion protection by creating a "glass-like" coating on wetted surfaces of pipes and plumbing
- Appliances Last Longer and Operate More Efficiently
- Up to 50% Less Soap or Detergents Required
- Clothes Are Noticeably Softer, Cleaner and Brighter, and Last Longer
- Conditioned Water Will Feel Noticeably Smoother Without Slippery Feel
- WQA Gold Seal Certified to NSF/ANSI-61 Drinking Water System Components Health Effects

### What's Included

System includes an almond 9" x 35" Enpress™ tank fitted with an upflow distribution system, integrated bypass valve, and 1" PVC installation kit. 1" Brass or 1" Sharkbite installation kits are also available (please specify when ordering.) Media includes 5.5 liters of special Filtersorb ScaleNet. All you will need is what it takes to bring the water to where you want the system installed.

### **Water Requirements**

No Iron, Manganese, Hydrogen Sulfide, Oil, or Polyphosphates Present in Raw Water Chlorine <3 ppm

**Technical Information** 

# LIVINGWATERS<sup>™</sup> SCALE PREVENTION SYSTEM

For consumers who demand great value!

The NO SALT approach to Water Conditioning



- No Chemicals!
- No Power!
- No Drain!
- Saves Water!
- No Maintenance!

CONDITIONED WATER WITHOUT THE SLIPPERY FEEL!

- ✓ 50% LESS SOAP AND DETERGENTS REQUIRED!
- **WHITER WHITES!**
- ✓ NO LIMESCALE BUILD-UP ON FIXTURES AND APPLIANCES!

JGV

**ENGINEERED WATER TREATMENT SOLUTIONS** 

NEW TECHNOLOGY

# LIVINGWATERS<sup>™</sup> SCALE PREVENT SYSTEM

For consumers who demand great value!



### The problem

Calcium creates scale in pipes, on appliances and other plumbing surfaces. This leads to higher heating and energy costs and expensive repairs to appliances, such as ice machines, coffee makers, dishwashers and cooling towers in commercial buildings.

Scale can also be a source for bacteria to grow, which can be a health concern in drinking water applications. Calcium, on the other hand, is important to human health, and supplements are recommended if Calcium is reduced or totally void in one's diet.

### The solution

LIVINGWATERS<sup>™</sup> scale prevention systems transform Calcium *ions* into Calcium *crystals*, which are stable and cannot attach to pipes, surfaces, hardware or heat exchanger components. The crystals are so small they are easily rinsed away by the water flow.

#### Your Authorized Dealer