



# VAN ISLE WATER

The Water System Experts

Since 1972

CELEBRATING

50

YEARS

1972-2022

2022


WATER TREATMENT

[VANISLEWATER.COM](http://VANISLEWATER.COM)

# Terms And Conditions

**Terms of Payment:** All product shipped from VAN ISLE WATER will be C.O.D. unless prior credit approval is obtained. C.O.D. shipments will be VISA, MC, or Certified Cheque prior to shipping. Qualified accounts have net 30 days from time of order.

**Prices & Taxes:** Catalogue is "List" pricing in Canadian dollars. "List" pricing is only suggested retail pricing and not actual. Actual retail pricing varies by product and region. All prices are as of date of printing and are subject to change without notice. Van Isle Water is not responsible for printing errors. Buyer shall pay all applicable taxes.

**Freight Policy:** Freight is prepaid on \$1000 net pre tax value for net 30 account customers. Items requiring special handling such as dangerous goods and oversize products are designated by a "  " symbol and are exclusive of prepaid freight. Van Isle Water will use the carrier of its choice.

**Freight Claims:** Van Isle Water does not assume responsibility for freight damage. All freight damage and shipping discrepancies must be claimed within 48 hours of receipt of goods. Customer must inspect shipments for damage and make claim with carrier.

**Short Shipment:** Van Isle Water must be notified of any short shipments within 48 hours of receipt of goods with copy of carrier waybill and customer count.

**Return Goods:** Return goods must be authorized by Van Isle Water. A copy of original invoice must accompany all returns. All returns must be shipped prepaid freight and are subject to a restocking fee up to 25%. Product damaged in freight return will not be accepted. Credit will be issued to account for future purchases. No returns after 30 days. Special order items are not returnable.

**Warranty:** All defective items within the manufactures warranty period must be authorized first and returned to Van Isle Water with a RGA#. Customer is responsible for return of item(s) and all freight costs. Item(s) will either be replaced or repaired at Van Isle Water's discretion. Item(s) sent back must be accompanied with customer proof of purchase and retail customer receipt. Shipment of replaced or repaired item will be responsibility of customer. Replacement or repaired items may be added to a prepaid shipping order.

## Contact

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Saturday: Closed  
Sunday: Closed

**UV Dynamics** is a Canadian company that designs and manufactures Ultraviolet (UV) water disinfection systems. UV Dynamics continues to invest in production automation equipment enabling them to produce quality products in North America, at competitive prices.

All UV Dynamics power sources incorporate both visual and audible lamp failure alarms, an annual lamp change reminder timer, and a proprietary True Lamp Current detection feature. This feature ensures that the lamp alarm will always work properly regardless of the AC line voltage level. Products without true lamp current detection are prone to giving false indications that the lamp is on when in actuality it is not.

## MINI RACK WHOLE HOME UV DISINFECTION SYSTEMS

A customizable, whole home water treatment system. Combines one or two filter sump housings and a UV disinfection system into one simple, clean, integrated product line.

- Connection 3/4" FIPT inlet x 3/4" MIPT outlet.
- Comes fully assembled.
- **Filter/s not included.**

c/w Big Blue 4 1/2" Filter Housings			
GPM	Filters	Item #	List
6	1 x 10"	<a href="#">UVD-MR180TP1100</a>	
8	1 x 10'	<a href="#">UVD-MR245TP1100</a>	
10	1 x 10"	<a href="#">UVD-MR320ETP1100</a>	
10	2 x 10"	<a href="#">UVD-MR320ETP2110</a>	
10	1 x 20"	<a href="#">UVD-MR320ETP1200</a>	
10	2 x 20"	<a href="#">UVD-MR320ETP2220</a>	
13	2 x 20"	<a href="#">UVD-MR400ETP2220</a>	



c/w Standard 2 1/2" Filter Housings			
GPM	Filters	Item #	List
8	1 x 20"	<a href="#">UVD-MR245TP1S200</a>	
8	2 x 20"	<a href="#">UVD-MR245TP2S220</a>	

## STANDARD SERIES

- Annual lamp life change timer.
- Lamp life remaining feature.
- No tools required for regular servicing.

GPM	Connection	Length	Item #	List
6	3/4" MIPT	14.5"	<a href="#">UVD-180</a>	
8	3/4" MIPT	18"	<a href="#">UVD-245</a>	
10	3/4" MIPT	18"	<a href="#">UVD-320E</a>	
13	3/4" MIPT	22"	<a href="#">UVD-400E</a>	
20	1" MIPT	37"	<a href="#">UVD-600</a>	
40	1" MIPT	50.5"	<a href="#">UVD-1200</a>	
50	1" MIPT	50.5"	<a href="#">UVD-1500</a>	



## 1" SOLENOID VALVE KIT UV DYNAMICS

Solenoid valve kit includes a valve, remote solenoid interface and power cord.

- Remote solenoid interface provides stable power supply to solenoid as well as an override option during alarm conditions.
- 1" solenoid shut off valve will close during power outages, lamp outages, and low UV level conditions.
- Must be used together (does not work separately).



	Item #	List
Solenoid Valve & Remote Interface Kit	1" <a href="#">UVD-P400455</a>	

**We recommend using a surge protector (UVD-P400467) on all U.V. installations to protect the life of the ballast.**

## LAMPS



• Includes O-Rings.

Length	Models	Item #	List
13.0	180, 245	<a href="#">UVD-RL400434</a>	
16.25	240, 320, 320E	<a href="#">UVD-RL400152</a>	
20.0	400, 400E	<a href="#">UVD-RL400128</a>	
22.25	485, NSF 8.40C	<a href="#">UVD-RL400269</a>	
28.0	NSF 11.40C	<a href="#">UVD-RL400270</a>	
35.0	600, 800, 1000, NSF 14.40C	<a href="#">UVD-RL400158</a>	
46.0	1200, 1500, NSF 20.40C	<a href="#">UVD-RL400271</a>	

## POWER SUPPLY 120V

The MF series UV power sources are used with all single lamp UV Dynamics water disinfection products. The MF series is one of the most advanced UV power sources available anywhere.



Microprocessor control with programmed lamp start insures adequate lamp pre-heating and predictable ignition voltages resulting in maximum lamp life and reliable lamp ignition at all ambient temperatures. Lamp current is constantly controlled regardless of the AC line voltage variations.

Models		Item #	List
<b>Standard Series</b>			
240	MF-SLC120	<a href="#">UVD-P400201</a>	
180, 245, 320E	MF-SLE120	<a href="#">UVD-P400235</a>	
320	MF-SL120	<a href="#">UVD-P400203</a>	
400E	MF-LLE120	<a href="#">UVD-P400255</a>	
400, 600	MF-LL120	<a href="#">UVD-P400156</a>	
800, 1000, 1200, 1500	MF-LLG120	<a href="#">UVD-P400233</a>	
800/S, 1000/S, 1200/S, 1500/S	MF-LLG120/S-NC	<a href="#">UVD-P400357</a>	
<b>Certified Series</b>			
8.40C, 11.40C	MF-LL120/S	<a href="#">UVD-P400206</a>	
20.40C	MF-LLG120/S	<a href="#">UVD-P400250</a>	

**We recommend using a surge protector on all U.V. installations to protect the life of the ballast.**

## MISC PARTS



		Item #	List
Gland Nut	All Standard Models	<a href="#">UVD-P400103</a>	
Lamp Spring	All Standard Models	<a href="#">UVD-P400111</a>	
Metal Bracket Mounting Set	All Standard & Certified Models	<a href="#">UVD-P400163</a>	
UV Sensor Probe		<a href="#">UVD-P400195</a>	

## QUARTZ SLEEVES



• Includes O-Rings.

Length	Models	Item #	List
13.75	180, 245	<a href="#">UVD-QS400435</a>	
17.0	240, 320, 320E	<a href="#">UVD-QS400151</a>	
21.0	400, 400E	<a href="#">UVD-QS400129</a>	
23.0	485, NSF 8.40C	<a href="#">UVD-QS400273</a>	
31.25	NSF 11.40C	<a href="#">UVD-QS400274</a>	
38.5	NSF 14.40C	<a href="#">UVD-QS400323</a>	
35.0	600, 800, 1000	<a href="#">UVD-QS400157</a>	
49.0	1200, 1500, NSF 20.40C	<a href="#">UVD-QS400275</a>	

## 1" SOLENOID VALVE KIT UV DYNAMICS

Solenoid valve kit includes a valve, remote solenoid interface and power cord.



- Remote solenoid interface provides stable power supply to solenoid as well as an override option during alarm conditions.
- 1" solenoid shut off valve will close during power outages, lamp outages, and low UV level conditions.
- Must be used together (does not work separately).

	Item #	List
Solenoid Valve & Remote Interface Kit	1" <a href="#">UVD-P400455</a>	
Solenoid Valve Only	1" <a href="#">UVD-P400454</a>	
Remote Interface Only	1" <a href="#">UVD-P400429</a>	

## MINI RACK FILTER HOUSINGS

10" x 2 1/2" x 3/4" FIPT w/ PR Button.

Item #	List
<a href="#">UVD-FH10</a>	
Mini Rack Filter Housing Big Blue	
10" x 4 1/2" x 3/4" FIPT w/ PR Button.	
<a href="#">UVD-FHBB10</a>	
Mini Rack Filter Housing Big Blue	
20" x 4 1/2" x 3/4" FIPT w/PR Button.	
<a href="#">UVD-FHBB20</a>	



**All UV Systems should be pre-filtered down to 5 Micron.**

## MINI RACK BRACKETS

UVD TP1 Filter Housing Mini Rack Bracket (Single Big Blue Filter).

Item #	List
<a href="#">UVD-P400620</a>	
UVD TP2 Filter Housing Mini Rack Bracket (Double Big Blue Filter).	
<a href="#">UVD-P400621</a>	



# LIGHTWAVE UV DISINFECTION



## RUGGED & DURABLE UV DISINFECTION SYSTEMS

UV technology is proven to control microbiological (bacteria & virus) issues in water including E.coli, Cryptosporidium and Giardia lamblia.

Intended for easy, do-it-yourself installation, a LTW-4 system can be installed on the home's main water line at the point-of-entry, treating all the water coming into the home.

Designed to effectively treat flow rates from 8-15 gpm, the axial flow and rack systems offer the quality, flexibility, and convenience that you require for all of your residential and light commercial applications.

### Features:

- 10 and 15 gpm axial flow system, 8 and 15 gpm rack system with single 10" and 20" sump.
- 304 SS LPHO-based system (LPSO on LTW-C4R1).
- Integral lamp life monitor, with audible and visual indication of lamp life.
- Reliable, industry proven, proprietary low pressure coated UV lamps with ceramic bases for durability and long life (10,000 hours on HO systems, 9,000 hours on SO systems).
- Constant current electronic controller in a splash proof case, fully potted ballast virtually eliminates common water damage issue.
- 110-230V/50-60Hz.

GPM	Connection	Filters	Axial Flow System	Item #	List
10	1" MNPT	No	10 gpm LP-HO system, audible/visual lamp-out, 10,000 hr lamp life - 420 days	<a href="#">LTW-C4101</a>	
15	1" MNPT	No	15 gpm LP-HO system, audible/visual lamp-out, 10,000 hr lamp life - 420 days	<a href="#">LTW-C4151</a>	
Contractor Series Rack System					
8	1" MNPT	1 x 10"	8 gpm 1-sump LP system, single 10" sediment, audible/visual lamp-out, 9,000 hr lamp life - 375 days	<a href="#">LTW-C4R1NC</a>	
15	1" MNPT	1 x 20"	8 gpm 1-sump LP-HO system, single 20" sediment, audible/visual lamp-out, 10,000 hr lamp life - 420 days	<a href="#">LTW-C4R2NC</a>	

## CONVENIENT ALL-IN-ONE UV/FILTER SYSTEMS

Rack-mount UV/filtration systems offer the convenience of an all-in-one package making installation a simple "in & out" connection. The plug and play platform has the most advanced residential controller on the market with a colour screen user interface giving a multitude of screens displaying diagnostics, status, warnings and even QR codes for a link back to the website.

Designed to effectively treat flow rates of 8 & 15 gpm, rack-mount UV's provide the required 5 micron pretreatment with the option of a full-flow, carbon filter to treat taste and odour. Installation of a UV system has never been easier with an innovative design that allows for feedwater to enter the filters from either the right or left side of the unit.

Combine this with the capability to fully customize the colour screens with your own dealer information, or different language, and you can easily see how this integrated UV/filter system shines above all others.

### Sample screens:



Systems feature one-piece, 2-sump filter heads for a leak-free design. (On 2-sump units only)

Rack Mount UV Systems					
GPM	Filters	Description	Item #	List	
8	1 x 10"	LP-based system, colour screen, lamp countdown, audible, 1"	<a href="#">LTW-LB5Z1NC</a>		
8	1 x 20"		<a href="#">LTW-LB5Z2NC</a>		
8	1 x 10" & 1 x 20"		<a href="#">LTW-LB5Z12NC</a>		
15	1 x 20"	MNPT ports, 110V, 50-60Hz	<a href="#">LTW-LBH5Z2NC</a>		
15	1 x 10" & 1 x 20"		<a href="#">LTW-LBH5Z12NC</a>		
15	2 x 20"		<a href="#">LTW-LBH5Z22NC</a>		

# LIGHTWAVE

## UV DISINFECTION

### CONDITIONS FOR USE

Your system will provide years of use provided the system is maintained on a regular basis as per the specifications outlined in the Owner's Manual. For the system to perform as tested, the following water quality parameters must be met.

Parameter	Level
Hardness	< 120 mg/L (7 gpg)
Iron (Fe)	< 0.3 mg/L (ppm)
Manganese (Mn)	< 0.05 mg/L (ppm)
Tannins	< 0.1 mg/L (ppm)
Turbidity	< 1 NTU
Transmittance	> 75% UVT

For levels outside those specified in the table above, please contact the factory for further technical assistance.

### Manufacturer's Warranty

- Reactors** - 10 year Limited Warranty
- Electronics** - 3 year Limited Warranty
- UV Lamps** - 1 year Limited Warranty
- Quartz Sleeves** - 1 year Limited Warranty



### Guaranteed OEM Lamp Replacement with Lightlock technology

Tired of losing that lucrative replacement lamp sale to a cut-rate online marketer or to an inferior offshore manufacturer? Protect your replacement lamp revenue stream with Lightwave's truly proprietary UV lamps with Lightlock technology. Maintain your lamp sales and more importantly your lamp margin all while protecting the integrity of the product and its performance.



### OPTIONAL EXPANSION MODULES



**UV Concierge**  
Available for WEB, iOS, and Android platforms providing live, dynamic feedback on all features and functions of your UV system.



**Water Quality Monitor**  
Allows for remote monitoring of all major and minor alarms that take place on the main UV system. Three LED's visually display system functionality from up to 150' away.



**Custom Dealer Programmer**  
Customize your UV controller with your company name, logo, website, QR code and contact info. Capture the lucrative replacement lamp market by creating a direct link back to your own website!



### LIGHTWAVE REPLACEMENT LAMPS

Length	Models	Item #	List
12.0" (305 mm)	For LB4-031, LB5-031, LB6-031 series	LTW-RL290	
	For all rack-mount standard-output systems	LTW-RL420	
19.1" (486 mm)	For LB4-061, LB5-061, LB6-061 series	LTW-RL470	
32.9" (836 mm)	For LB4-101, LB5-101, LB6-101 series	LTW-RL820	
34.1" (836 mm)	For LB4-201, LB5-201, LB6-201 series	LTW-RL850	
	For LBH4-151, LBH5-151, LBH6-151 series	LTW-RL420HO	
41.3" (1050 mm)	For LB4-401-HW/2, LB5-401-HW/2, LB6-401-HW/2	LTW-RL950HW	

### LIGHTWAVE QUARTZ SLEEVES (SOLD IN SINGLES - INDIVIDUALLY PACKAGED)

Models	Item #	List
For LB4-031/2, LB5-031/2 (20 x 22.5 x 336 mm, domed)	LTW-RQ290	
For LBH4-151, LBH5-151, LBH6-151 (20 x 22.5 x 466 mm, domed)	LTW-RQ420	
For LB4-061/2, LB5-061/2, LB6-061/02 (20 x 22.5 x 516 mm, domed)	LTW-RQ470	
For LB4-101/2, LB5-101/2, LB6-101/2 (20 x 22.5 x 866 mm, domed)	LTW-RQ820	
For LB4-201, LB5-201, LB6-201 (20 x 22.5 x 900 mm, domed)	LTW-RQ850	
For LBH4-401, LBH5-401, LBH6-401 (20 x 22.5 x 996 mm, domed)	LTW-RQ950	
For all Lightwave 6.1 residential products w/ 2.5" diameter chamber (LB6-02, LB6-03, LB6-06, LB6-10, LB6-15 series) Fits 5.1 chambers	LTW-RSB25	

# LIGHTWAVE

## UV DISINFECTION

### UV LED WATER TREATMENT SYSTEMS

Incorporate integrated, real-time I/O monitoring for:

#### Temperature

- Prevents overheating of LED's
- Alarm alerts of over temperature conditions

#### LED Status

- Always know when UVC LED is on or off
- Alarm is signaled in event that the UVC LED fails

#### UV Output - coming soon

- Allows user to know UV output the system is delivering
- Alarms for low UV "dose"

This fully integrated LED based UV disinfection system is available with either the simple multi-state status indicator (GUV4S), or the full colour screen interface (GUV5S & includes IEP port for expansion modules).

Packaged with a 12 volt power supply with no need for a lamp change, as in traditional UV systems. The system only turns "on" when needed based on an integral flow switch, and last for 5,000 hours of "on" mode operation.

Model	Item #	List
GUV-5S w/ multi-state status LED	<a href="#">LTW-GUV4S</a>	
GUV-5S w/ full colour screen interface	<a href="#">LTW-GUV5S</a>	



### FLOWMETER MODULE

- Uses the latest in ultrasonic technology to measure water flow.
- Sensors communicate using ultra-sonic sound that travels through the Flowmeter pipe.
- Accurately and reliably measures flow without any mechanical wear or fatigue.
- Allows the UV system to enter Energy Saver Mode by dimming the UV lamp when no water is being used after a period of time.
- Reduces energy costs associated with running the UV system, and prevent over heating of standing water in the UV chamber.



Model	Item #	List
Module w/ 1" MNPT connections	<a href="#">LTW-LFM10</a>	
Module w/ 1.5" MNPT connections	<a href="#">LTW-LFM15</a>	

### SOLENOID CONNECTION MODULE

- Allows for a solenoid connection on Lightwave (5.1 and 6.1 only) products (will work on lamp failure only on Lightwave 5.1 systems).
- Customer simply needs to purchase a *normally closed* line voltage solenoid valve and affix the module's supplied bare lead cord to the solenoid valve.
- Connect power cable to electrical outlet and the other lead to the "future-proof" expandability port on the controller.



Item #	List
<a href="#">LTW-SOL1</a>	

### 4-20MA CONNECTION MODULE

- Allows for a 4-20A connection on Lightwave (5.1 and 6.1 only) products.
- This device will allow for a 4-20A signal transfer of the UV output to a remote device such as a data logger or computer.
- Simply plug the supplied into the IEP expandability port on the UV sensor module (or daisy chain to any other module used in the system).
- No wire is supplied with this system, however 16-22 AWG is required.



Item #	List
MOD-420	

### REMOTE ALARM MODULE

- Allows for a remote connection on Lightwave (5.1 and 6.1 only) products.
- Allows remote installation of alarms, lights, PLC input, data logger, flow control, etc.
- Simply plug the supplied into the IEP expandability port on the UV sensor module (or daisy chain to any other module used in the system).
- Supplied with three screw terminals (NO, NC & common) to connect to the receiving end of the dry contacts.
- As the distance required is unknown, no wire is supplied with the system, however 16-22 AWG is required



Item #	List
<a href="#">LTW-MODRAM</a>	

# ULTRAVIOLET PARTS

## LAMPS



**TROJAN UV**

Length	Models	Item #	List
9.50"	MAX B, B4	<a href="#">TRO-602804</a>	
15.75"	MAX C/D, C4-D4	<a href="#">TRO-602805</a>	
25.25"	MAX E, E4, PRO7	<a href="#">TRO-602806</a>	
39.75"	MAX F, F4, PRO15	<a href="#">TRO-602807</a>	



Length	Models	Item #	List
	MAX G PLUS, PRO 10	<a href="#">TRO-602854</a>	
	MAX H PLUS, PRO 20	<a href="#">TRO-602855</a>	
37.0"	MAX J PLUS, PRO 30	<a href="#">TRO-602856</a>	

## QUARTZ SLEEVES



### Domed One End

Models	Item #	List
B, B4	<a href="#">TRO-602731</a>	
C, C+, C4, C4+, D, D+, D4, D4+	<a href="#">TRO-602732</a>	
E, E+, E4, E4+	<a href="#">TRO-602733</a>	
F, F+, F4, F4+	<a href="#">TRO-602734</a>	

### Open Both Ends

H, H+, Pro20	<a href="#">TRO-602975</a>	
J, J+, Pro30	<a href="#">TRO-602976</a>	

## POWER SUPPLY 120V



Models	Item #	List
<b>Current Systems</b>		
UV MAX D4	<a href="#">TRO-650713007</a>	
<b>For use in Systems (from 1994 to 2008)</b>		
UV MAX C	TRO-650716006	

## MISC. PARTS

Models	Item #	List
Sleeve Bolt ALL UV MAX	TRO-602665	

## POWER SUPPLY 120V



Models	Item #	List
Ice (260022)	S 2-12 Q	STE-BAICE3F
Controller (Replaces ICE 1F & 2F)	SQ & QPA	<a href="#">STE-BAICES</a>
Controller (Cobalt Basic)	SC200 - 740	<a href="#">STE-BAICEC</a>
Controller (Cobalt Plus)	SCM200 - 740	<a href="#">STE-BAICECM</a>
Power Cord	ICE Ballast	<a href="#">STE-260010</a>

## LAMP BASE (4 PIN, STEPPED)



Lamp Length	Models	Item #	List
9"	SQ, SC1	<a href="#">STE-S212RL</a>	
11.89"	S1Q-PA, SC-2.5	<a href="#">STE-S287RL</a>	
13.5"	S2Q-PA, SC4	<a href="#">STE-S330RL</a>	
18.86"	S5Q-PA	<a href="#">STE-S463RL</a>	
32.52"	S8Q-PA	<a href="#">STE-S810RL</a>	
33.74"	S12Q, S24Q S40Q (+ gold)	<a href="#">STE-S36RL</a>	



Lamp Length	Models	Item #	List
11.81"	SPV-3, SP200-HO, SC-200, SCM-2000	<a href="#">STE-S200RLHO</a>	
16.54"	SPV-6, SP320-HO, SC-230, SCM-320	<a href="#">STE-S320RLHO</a>	
20.08"	SPV-8, SP410-HO	<a href="#">STE-S410RLHO</a>	
27.56"	SPV-12, SP600-HO, SC-600, SCM-600	<a href="#">STE-S600RLHO</a>	
33.07"	SPV-15, SP740-HO, SC-740, SCM-740	<a href="#">STE-S740RLHO</a>	
41.34"	SPV-20, SP950-HO	<a href="#">STE-S950RLHO</a>	

## QUARTZ SLEEVES



### Open Both Ends

Length	Models	Item #	List
10"	SQ-PA, VT1	<a href="#">STE-QS212</a>	
14.8"	S2Q-PA, VT4, SSM-17	<a href="#">STE-QS330</a>	
20"	S5Q-PA, SSM-24	<a href="#">STE-QS463</a>	
33.3"	SQ8-PA, SSM-37	<a href="#">STE-QS810</a>	
35"	S12Q, S24Q, S40Q, SSM-39, SUV & SHF-140	<a href="#">STE-QS012</a>	

### Closed (Domed) at one end

13.1"	SPV-200, SP200-HO, SPV-3.5, SC-200, SCM-200	<a href="#">STE-QS200</a>	
17.8"	SC-320, SCM-320, SP320-HO	<a href="#">STE-QS320</a>	
21.3"	SC-410, SCM-410, SPV-410, SP410-HO, SPV-8	<a href="#">STE-QS410</a>	
28.8"	SC-600, SCM-600, SPV-600, SP600-HO, SPV-12	<a href="#">STE-QS600</a>	
34.3"	SC-740, SCM-740, SPV-740, SP740-HO, SPV-15	<a href="#">STE-QS740</a>	
42.6"	SPV-950, SP950-HO, SPV-20	<a href="#">STE-QS950</a>	



## WATER SOFTENERS

Water softening systems are designed to remove calcium and magnesium ions from incoming water and replace them with soft sodium ions.

Our complete system series are made by industry leaders Clack and are designed for simple operation and efficient regeneration.

### Features and Benefits:

- Fully automatic regeneration.
- Includes brine safety valve which provides extra overflow protection.
- Plastic salt grid prevents salt bridging.
- 10 Year Warranty on NSF Certified fiberglass tanks; 1 year on valve.



### CLACK WS1 VALVE METERED SOFTENERS

Resin	Capacity 10lbs	Capacity 6lbs	Backwash	Mineral Tank	Item #	List
1 cu/ft	24,000	20,000	2.2	10 x 47	<a href="#">CLK-KWS1M</a>	
1.5 cu/ft	36,000	30,000	2.0	10 x 54	<a href="#">CLK-KWS15M</a>	
2 cu/ft	48,000	40,000	3.2	12 x 52	<a href="#">CLK-KWS2M</a>	

**Clack Bypass Assembly & 1" PVC Male Elbow Tubing Kit Included**



## ECO MIX FILTERS



ECO MIX is a mixture of five specially prepared components that separate into five separate layers. ECO MIX media is designed specifically for the treatment of high levels of hardness, iron, manganese and tannins/organics. Eco Mix can treat much higher levels of iron and manganese than traditional ion-exchange media used for water softening without the risk of fouling while at the same time removing organics that interfere with disinfection (UV) and discolor the water.

### Features and Benefits:

- More cost effective than individual treatment options for each contaminant.
- WQA validated to ANSI-NSF Standards 44, 61, and 372.
- Lightweight, easy to backwash at low flow rates.
- See our website for more technical info.
- Uses less salt than a Water Softener.



### CLACK WS1 VALVE

Media	Service	Flow Rate		Backwash	Mineral Tank	Item #	List
		Peak					
1 Bag	4	4		2.6	10" x 47"	<a href="#">CLK-ECOMIX1</a>	
1.5 Bags	5.7	5.7		2.7	10" x 54"	<a href="#">CLK-ECOMIX15</a>	
2 Bags	8	8		4.2	12" x 52"	<a href="#">CLK-ECOMIX2</a>	
3 Bags	11	11		6.5	14" x 65"	<a href="#">CLK-ECOMIX3</a>	



**See Page 41 for valve descriptions and specifications.**

## CARBON FILTERS

Automatic backwashing Carbon Filters will provide cleaner, better tasting water with less chlorine, taste, odor and contaminants that are found in many water supplies.

### Features and Benefits:

- Fully automatic backwash control valve.
- Saves cost of cartridge replacements.
- Uses high quality carbon to remove chlorine.
- Additional sizes and options available.

CLACK WS1 VALVE						
Media	Service	Flow Rate		Mineral Tank	Item #	List
		Peak	Backwash			
1 cu/ft	3	6	5.3	10 x 47	<a href="#">CLK-KCF1</a>	
1.5 cu/ft	4	7	5.3	10 x 54	<a href="#">CLK-KCF15</a>	
2 cu/ft	5	8	7.5	12 X 52	<a href="#">CLK-KCF2</a>	
<b>Clack Bypass Assembly &amp; 1" PVC Male Elbow Tubing Kit Included</b>						

## CATALYTIC CARBON FILTERS

Catalytic Carbon is specifically designed for the removal of **Hydrogen Sulfide** in water. Hydrogen sulfide gives off the characteristic "rotten egg" sulfurous odor. A backwashing schedule is programmed into the fully automatic valve. No chemicals are needed for regeneration.

### Features and Benefits:

- Fully automatic backwash control valve.
- Uses high quality Centaur Carbon.
- Chemical free operation.

CLACK WS1 VALVE						
Media	Service	Flow Rate		Mineral Tank	Item #	List
		Peak	Backwash			
1 cu/ft	3	6	5.3	10 x 54	<a href="#">CLK-KCC1</a>	
1.5 cu/ft	4	8	7.5	12 x 52	<a href="#">CLK-KCC15</a>	
<b>All H2S Units Remove 5 ppm</b>						
<b>Clack Bypass Assembly &amp; 1" PVC Male Elbow Tubing Kit Included</b>						

## NEXTSAND TURBIDITY/SEDIMENT FILTERS

For silt and sediment removal to 3 to 5 microns. Nextsand is a rare natural mineral that is highly processed and graded. Its unique properties make it a perfect media for virtually every sediment filtration application in the water treatment industry.

### Features and Benefits:

- Fully automatic backwash control valve.
- Additional sizes and options available.
- Saves cost of cartridge replacements.

CLACK WS1 VALVE						
Media	Service	Flow Rate		Mineral Tank	Item #	List
		Peak	Backwash			
1 cu/ft	4	6	7.5	10 x 47	<a href="#">CLK-KS1</a>	
1.5 cu/ft	5	8	7.5	10 X 54	<a href="#">CLK-KS15</a>	
2 cu/ft	7	10	10	12 X 52	<a href="#">CLK-KS2</a>	
<b>Clack Bypass Assembly &amp; 1" PVC Male Elbow Tubing Kit Included</b>						

See Page 41 for valve descriptions and specifications



## NEUTRALIZING FILTERS

Neutralizing filters raise the pH of acidic water to neutralize corrosiveness, protecting fixtures, pipes and appliances.

### Features and Benefits:

- Fully automatic backwash control valve.
- Will not over correct pH.
- Uses Calcite (crushed) marble.
- Additional sizes and options available.

We recommend AC-5 test strips to monitor pH after install.

CLACK WS1 VALVE						
Media	Service	Flow Rate		Mineral Tank	Item #	List
		Peak	Backwash			
1 cu/ft	3	6	5.3	10 x 47	<a href="#">CLK-KN1</a>	
1.5 cu/ft	4	10	5.3	10 X 54	<a href="#">CLK-KN15</a>	
Clack Bypass Assembly & 1" PVC Male Elbow Tubing Kit Included						



## TANNIN REMOVAL FILTER

Tannins (humic acid) are found in waters which have passed through large quantities of decaying vegetation. Tannins can cause yellow water and yellow staining on fabrics and fixtures. If your well water has multiple problems such as a combination of tannins, hard water, iron, manganese, and sulfur odor, please contact us for technical assistance.

### Features and Benefits:

- Fully automatic backwash control valve.
- Additional sizes available.

CLACK WS1 VALVE						
Media	Service	Flow Rate		Mineral Tank	Item #	List
		Peak	Backwash			
1.5 cu/ft	3-5	6	2.2	10 x 54	<a href="#">CLK-KTR15</a>	
2 cu/ft	6-8	9	3.2	12 X 52	<a href="#">CLK-KTR2</a>	
Clack Bypass Assembly & 1" PVC Male Elbow Tubing Kit Included						



**Note: Tannin removal filters are available with a mixed bed option.**



## KATALOX LIGHT FILTER MEDIA W/ CLACK METERED CONTROL VALVE

Katalox Light is a new brand of revolutionary advanced filtration media. It's composition makes it outstanding against the contemporary filter media available in water treatment industries, like sand, BIRM, Greensand Plus, Manganese Greensand etc. Engineered with unique MnO2 coating technique on ZEOSORB®, providing it light weight, higher filtration surface, more service life and more reliable performance (filtration down to 3 µm).

Can be used in numerous system for residential, commercial, industrial and municipal applications worldwide, for High level filtration, color and odor removal, Iron, Manganese, Hydrogen sulfide removal, efficient reduction of Arsenic, Zinc, Copper, Lead, Radium, Uranium and other radionuclides and heavy metals.

### Features and Benefits:

- High content MnO2 coating (10%).
- Very High Surface Area.
- Contains NO Crystalline Silica.
- Higher Filtration rates.
- Media replacement every 7 - 10 years.
- No disinfection by-product.
- No mandatory KMnO4, chlorine or chlorine dioxide dosing.
- Low operational costs.
- Unique product, unmatched by our competitors.
- Light Weight - providing significant savings on backwash water.
- Filtration of sand, sediment and suspended solids, down to 3 micron.
- High efficiency removal capacity of Iron, Manganese and Hydrogen sulfide.
- Very High Surface Area.
- Effective reduction of Arsenic, Zinc, Copper, Lead, Radium, Uranium, radionuclides and other heavy metals.



CLACK WS1 VALVE						
Media	Service	Flow Rate		Mineral Tank	Item #	List
		Peak	Backwash			
1 cu/ft	3	4	7.5	10 x 54	<a href="#">CLK-KATALOX1</a>	
1.5 cu/ft	4	5	8.5	12 X 52	<a href="#">CLK-KATALOX15</a>	
2 cu/ft	4.5	5.28	10.5	13 X 54	<a href="#">CLK-KATALOX2</a>	



## TIMER ACCESSORIES

### CLACK WS-1 METERED CONTROL VALVE

- 8 hr. battery back-up.
- Microswitches available.
- Front panel display with totalizer.
- Double backwash feature.
- Adjustable 6-cycle controls (time clock or meter control).
- Four modes of operation: meter immediate, meter delayed, time clock, or pressure differential.
- Treated water regenerant refill.
- Twin alternating option.



**\*For Softener, Greensand Filter,  
& Catalytic Carbon Units**

Item # List

[CLK-V1EADME](#)

### CLACK WS-1 TIMER CONTROL VALVE FOR FILTERS (BACKWASH ONLY)

- 8 hr. battery back-up.
  - Microswitches available.
  - Front panel display with totalizer.
  - Double backwash feature.
  - Solar powered option.
  - Backwash valve only.
- Carbon / Media Filters



Item # List

[CLK-V1TCBTZ](#)

### IN & OUT HEAD W/ MANUAL BACKWASH

Manual Filter Valve offers a simple to use manually controlled adjustable 3 cycle control for ease of operation.

- 2 1/2" base.
- 1" inlet, outlet & drain.
- Upper basket included.
- Tank Diameters: 6" – 12".



Item # List

[HYD-AQTMFV1](#)

### BRINE & SOLUTION TANKS

Solution Tanks	Item #	List
35 gal 18" x 33"	<a href="#">CLK-G21832P</a>	
<b>Brine Tank c/w Safety Float</b>		
30 gal 15" x 32"	<a href="#">FL-BTFLOAT</a>	
42 gal 21" x 38"	<a href="#">FL-BTFLOAT42</a>	
<b>Safety Shut Off Float (Brine Tank)</b>		
	<a href="#">FL-13622</a>	



### MOTORIZED ALTERNATING VALVE

Clack motorized alternating valve is designed to allow two meter controlled valves (volumetric) to work together in an alternating mode configuration.



Connections Item # List

1" FIPT x FIPT [CLK-V3069FF](#)

### BYPASS ASSEMBLY

Designed to connect to Clack Water Conditioners. Also connects to fittings from many other manufacturers.



Item # List

[CLK-V3006](#)

### SHARK BITE KIT

With Sharkbite connectors, you simply push-in-and-lock a 3/4" Copper, PEX or CPVC pipe. No sweating, glue or solvents.

Item # List

[CLK-V300712](#)

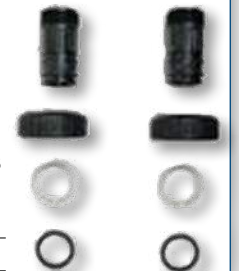


### 1" PVC MALE TUBING KIT

Plastic Male NPT Assembly is designed to connect to either the Valve or the By-Pass for Clack Water Conditioners. Also connects to fittings from many other manufacturers.

Item # List

[CLK-V300704](#)



### FIBERGLASS TANK & BASE

	Item #	List
Tank & Base	10" x 47"	<a href="#">FL-1047</a>
	10" x 54"	<a href="#">FL-1054</a>
	12" x 52"	<a href="#">FL-1252</a>
	13" X 54"	<a href="#">FL-1354</a>
Distributor Tube	1" X 54"	<a href="#">FL-19477</a>



### CLACK FEEDER & PARTS

	Item #	List
Clack Permanganate Feeder	5 gal <a href="#">FL-33017</a>	
Felt Pad	<a href="#">FL-33047</a>	



## RES CARE FEEDER STARTER KIT

If you own a water softener, you should be using Res-Care. Here's the bottom line: Drip feeding Res-Care into your brine tank will pay for itself very quickly. Your softener resin will last longer, your softener will run more efficiently, and you will save money. Res-Care will maintain your resin safely and effectively, and the auto drip feeder makes it easy to consistently dose the right amount.



**Includes:** Auto Drip Feeder & 2 It Res Care Liquid.

Item #	List
<a href="#">FL-RESFEED</a>	

## RES CARE LIQUID RESIN CLEANER

Resin cleaner maintains performance of softener resin. Pro Res Care is a specially formulated liquid resin cleaner designed to clean resin pores of iron, manganese, silt, metal particles and organic compounds that cause softener inefficiencies. Regular use of Res Care resin cleaner will restore the softener beads and control valve parts back to peak efficiency and maintain the life of the unit. For best results, use a Res Care Automatic Feeder or manually add during regeneration to prevent mineral build up. Pro Res Care is NSF Certified to meet NSF/ANSI Standard 60 for drinking water additives.



Size	Item #	List
1 Gallon	<a href="#">CH-RESCARE</a>	

## SUPER IRON OUT SOFTENER RESIN CLEANER

Super Iron Out chemically changes rust and iron into a clear, soluble state that easily rinses away without scrubbing.



Item #	List
28 oz <a href="#">CH-IRON28</a>	
5 lb <a href="#">CH-IRON5</a>	

## POTASSIUM PERMANGANATE

Ideal carbon for general taste and odor removal as well as chlorine, chloramine and hydrogen sulfide reduction.



Item #	List
5 lb <a href="#">CH-POT2</a>	
<b>Bulk Price For 6 (Save 10%)</b> CH-POT2	

**DANGEROUS GOODS SHIPPING REGULATIONS APPLY (SHOULD BE PICKED UP IN PERSON)**

## PRO BAN-T (ALKALINE WATER NEUTRALIZER)

Pro Ban-T is a water softener iron removal cleaner that is specially formulated to effectively lower pH and remove iron and other contaminants from fouled water softeners. Ban-T is an environmentally friendly water softener iron removal cleaning agent that removes hard water deposits, lime scale and moderate iron staining from household fixtures.



Item #	List
4 lb Container <a href="#">CH-PROBAN</a>	

## PRO NEUTRA SUL

Formulated to neutralize the rotten egg smell and pollutants from any water supply through oxidation. Neutra Sul should be used in place of Hydrogen Peroxide 7% solution to prevent the formation of colors, tastes, corrosion and scaling by pollution degradation.



Item #	List
CH-HP4IN	



**CHECK OUR WEB SITE**

- Up To Date Pricing
- Technical Information

**vanislewater.com**

## WATER SOFTENER RESIN

Premium high capacity gel polystyrene strong acid cation exchange resin supplied regenerated in the sodium form. Suitable for use as either residential or commercial water softening equipment.



Item #	List	
1 cft <a href="#">MED-21501</a>		<b>Buy 6 or more and save 20%</b>

## WATER SOFTENER SALT

Contains up to 99.6% pure salt. Evaporated naturally by the sun and wind, these solar crystals have a white, opaque appearance and a low insoluble content. Formulated to resist mushing and bridging, minimizing the accumulation of brine tank residue.



Item #	List
18 kg (40 lbs) <a href="#">CH-SALT18</a>	
<b>Bulk Price (63 Bags)</b> CH-SALT18	

## FILTER MEDIA MULTI-USE ION EXCHANGE (ECOMIX A)

Efficient removal of five major pollutants, regardless of pH, chlorine and hydrogen sulfide content in the source water. Removes: Hardness, Iron, Manganese, Ammonium and Total organic carbon.



	Item #	List
1 bag	<a href="#">MED-EM25L</a>	
1/2 bag	<a href="#">MED-EM25L12CF</a>	

## MANGANESE GREENSAND PLUS

Common media used for the removal of iron, manganese, and hydrogen sulfide.



	Item #	List
1/2 cft	<a href="#">MED-52000</a>	

## CALCIUM CARBONATE CALCITE

Industry-leading media to raise pH.



	Item #	List
.6 cft	<a href="#">MED-3237605</a>	

## ACTIVATED CARBON (12/40 MESH)

Carbon absorbs organic compounds which produce taste, odor, color or toxicity and reduces free chlorine.



	Item #	List
1 cft	<a href="#">MED-C1</a>	

**Buy 6 or more and save 20%**

## CENTAUR CARBON (FOR CATALYTIC UNITS)

Ideal carbon for general taste and odor removal as well as chlorine, chloramine and hydrogen sulfide reduction.



	Item #	List
1 cft	<a href="#">MED-22018</a>	

## RESINTECH MIXED BED

High purity grade H/OH form. Designed to produce very high water quality and to separate easily for regeneration. Intended for use in all mixed bed deionization applications that require high resistivity and high capacity.



	Item #	List
1 cft (55 lbs)	<a href="#">MED-MBD15</a>	

## NEXTSAND (PROCESSED FILTER AG)

Advanced turbidity and sediment reduction media capable of filtration down to the 3 to 5 microns with higher flow rates, less pressure drop and lower backwash rates than multi-media filters.



	Item #	List
1 cft (55 lbs)	<a href="#">MED-NEXTSAND</a>	

## RESINTECH SBACR-MP

A chloride form acrylic macroporous strong base anion resin. Allows organic ions to move in and out of the resin easily. Intended as an organic trap when the highest possible removal of naturally occurring organics is needed.



	Item #	List
	<a href="#">MED-SBACRMP</a>	

## WATER SOFTENER RESIN

Premium high capacity gel polystyrene strong acid cation exchange resin supplied regenerated in the sodium form. Suitable for use as either residential or commercial water softening equipment.



	Item #	List	
1 cft	<a href="#">MED-21501</a>		<b>Buy 6 or more and save 20%</b>

## KATALOX LIGHT

Advanced catalytic filtration media for iron, manganese and hydrogen sulfide removal.



	Item #	List
1 cft (66 lbs)	<a href="#">MED-KATALOX</a>	

## METSORB

A highly effective granular adsorbent that removes arsenic III & V, and a wide variety of heavy metals including Lead, Cadmium, Copper, Chromium+6, Selenium, and Zinc from aqueous sources. Its adsorbent technology utilizes a patented Titanium compound to adsorb both forms of arsenic as well as a wide range of contaminants in water. The increased surface area afforded by Titanium coupled with advanced pore volume provides excellent kinetics of adsorption.



	Item #	List
1 cft	<a href="#">MED-METSORB1CU</a>	

# Water Softener Trouble-Shooting Guide

PROBLEM	CAUSE	CORRECTION
<b>1</b> Softener fails to regenerate	<ul style="list-style-type: none"> <li>A) Electrical service to unit has been interrupted.</li> <li>B) Timer is defective.</li> <li>C) Power failure occurred.</li> </ul>	<ul style="list-style-type: none"> <li>A) Assure permanent electrical service (check fuse, plug, pull chain or switch)</li> <li>B) Replace timer motor.</li> <li>C) Reset time of day</li> </ul>
<b>2</b> Softener delivers hard water	<ul style="list-style-type: none"> <li>A) By-pass valve is open.</li> <li>B) No salt in brine tank.</li> <li>C) Injectors or screen plugged.</li> <li>D) Insufficient water flowing into brine tank.</li> <li>E) Hot water tank hardness.</li> <li>F) Leak at distributor tube.</li> <li>G) Internal valve leak.</li> <li>H) Reserve capacity has been exceeded.</li> <li>I) Program wheel is not rotating with meter output.</li> <li>J) Meter is not measuring flow.</li> </ul>	<ul style="list-style-type: none"> <li>A) Close by-pass valve.</li> <li>B) Add salt to brine tank and maintain salt level above water level.</li> <li>C) Replace injectors and screen.</li> <li>D) Check brine tank fill time and clean brine line flow control if plugged.</li> <li>E) Repeated flushings of the hot water tank is required.</li> <li>F) Make sure distributor tube is not cracked. Check O-ring and tube pilot.</li> <li>G) Replace seals and spacers and/or piston.</li> <li>H) Check salt dosage requirements and reset program wheel to provide additional reserve</li> <li>I) Pull cable out of meter cover and rotate manually. Program wheel must move without binding and clutch must give positive "clicks" when program wheel strikes regeneration stop. If it does not, replace timer valve head.</li> <li>J) Check output by observing rotation of small gear on front of timer with water running in house (Note: program wheel must NOT be against regeneration stop (0) for this check.) Each tooth to tooth is approximately 30 gals. If not performing properly, replace meter cover (dome).</li> </ul>
<b>3</b> Unit uses too much salt	<ul style="list-style-type: none"> <li>A) Improper salt setting.</li> <li>B) Excess water in brine tank.</li> </ul>	<ul style="list-style-type: none"> <li>A) Check salt usage and salt setting.</li> <li>B) See problem #7</li> </ul>
<b>4</b> Loss of Water Pressure	<ul style="list-style-type: none"> <li>A) Iron buildup in line to water conditioner</li> <li>B) Iron buildup in water conditioner</li> <li>C) Inlet of control plugged due to foreign material broken loose from pipes by recent work done on plumbing system.</li> </ul>	<ul style="list-style-type: none"> <li>A) Clean line to water conditioner</li> <li>B) Clean control and add resin cleaner to resin bed. Increase frequency of regeneration.</li> <li>C) Remove piston and clean control.</li> </ul>
<b>5</b> Loss of resin through drain line	<ul style="list-style-type: none"> <li>A) Air in water system.</li> </ul>	<ul style="list-style-type: none"> <li>A) Assure that well system has proper air eliminator control. Check for dry well condition.</li> </ul>
<b>6</b> Iron in conditioned water	<ul style="list-style-type: none"> <li>A) Fouled resin bed.</li> </ul>	<ul style="list-style-type: none"> <li>A) Check backwash, brine draw and brine tank fill. Increase frequency of regeneration. Increase backwash time.</li> </ul>

PROBLEM	CAUSE	CORRECTION
<b>7a</b> Excessive water in brine tank	A) Plugged drain line flow control.	A) Clean flow control.
<b>7b</b> Salt water in service line	A) Plugged injector system. B) Timer not cycling. C) Foreign material in brine valve. D) Foreign material in brine line flow control.	A) Clean injector and replace screen. B) Replace timer. C) Clean or replace brine valve. D) Clean brine line flow control.
<b>8</b> Softener fails to draw brine	A) Drain line flow control is plugged. B) Injector is plugged. C) Injector screen plugged. D) Line pressure is too low. E) Internal control leak.	A) Clean drain line flow control. B) Clean or replace injectors. C) Replace screen. D) Increase line pressure (Pressure must be at least 20 PSI at all times). E) Change seals, spacers and/or piston assembly.
<b>9</b> Control cycles continuously	A) Faulty timer mechanism.	A) Replace timer.
<b>10</b> Drain flows continuously	A) Foreign material in control. B) Internal control leak. C) Control valve jammed in brine or backwash position. D) Timer motor stopped or jammed.	A) Remove piston assembly and inspect bore. Remove foreign material and check control in various regeneration positions. B) Replace seals and/or piston assembly C) Replace seals and/or piston assembly D) Replace timer.
<b>11</b> Piston Stuck in Control Valve	A) It is very common for the main and brine pistons to need replacement after 5-10 years of use. The valve will get stuck trying to complete a regeneration cycle. Very often this occurs at the beginning of the "brine rinse" cycle. The timer motor may stop at this point also. The motors are made to stop instead of forcing the valve (which results in gear damage).	A) Replace the main piston and the brine piston assembly. If the valve is on a chlorinated water source or over 10 years old, it's a good idea to replace the main piston seals at the same time.  On rare occasions the timer motor may also need to be replaced. Try the pistons replacement first, this usually does the trick.
<b>12</b> Gears inside the metered dome cover fail	A) To test if gears need replacement, remove the meter dome, turn the cable by hand and observe the small white gears inside. You should be able to make them turn with normal finger pressure. They should also continue to spin for a moment after you stop applying pressure. If you cannot turn the white gear, you need to replace the "meter cover".  Most residential models use the standard range (0-21, i.e. 2,100 gallons) black plastic meter cover and matching program wheel on the control. There is an extended range (0-55, i.e. 5,500 gallons) that is also available. Fleck also makes a brass 1" meter. This would only be found on large commercial applications.	



## INLINE FILTER W/ SS SCREEN

Premium line of rugged and easy to clean filter when visual inspection of accumulated debris is important.

- Accommodate smaller applications at a very affordable price.
- Handle high pressure associated with secondary water.
- The industry recognizes this filter as the standard for function and dependability.
- 100% stainless steel screen.
- Heavy duty construction.
- 200 PSI max. Working pressure.
- Simple center flush - makes cleaning easy.
- Easy access to element without the use of tools for manual cleaning.
- Max temp 73° F.



Size	Element	Flow GPM	L x W	PSI Loss	Item #	List
1" Slip	50 mesh	0 - 40	9" x 5"	3.3 @ 20 GPM	<a href="#">AFI-150</a>	
	100 mesh				<a href="#">AFI-1100</a>	
1 1/2" Slip	50 mesh	0 - 60	12" x 5 5/8"	2.4 @ 35 GPM	<a href="#">AFI-1550</a>	
	100 mesh				<a href="#">AFI-15100</a>	
	150 mesh				<a href="#">AFI-15150</a>	
	200 mesh				<a href="#">AFI-15200</a>	
2" Slip	32 mesh	0 - 90	13 3/4" x 6 1/4"	3.7 @ 60 GPM	<a href="#">AFI-232</a>	
	50 mesh				<a href="#">AFI-250</a>	
	100 mesh				<a href="#">AFI-2100</a>	
	150 mesh				<a href="#">AFI-2150</a>	

**High Flow 3" Filters are Available. Contact us for more info.**

Size	Rep. Elements	Item #	List
1"	8 mesh	<a href="#">AFI-S18</a>	
	32 mesh	<a href="#">AFI-S132</a>	
	50 mesh	<a href="#">AFI-S150</a>	
	100 mesh	<a href="#">AFI-S1100</a>	
	150 mesh	<a href="#">AFI-S1150</a>	
	200 mesh	<a href="#">AFI-S1200</a>	
1 1/2"	32 mesh	<a href="#">AFI-S1532</a>	
	50 mesh	<a href="#">AFI-S1550</a>	
	100 mesh	<a href="#">AFI-S15100</a>	
2"	150 mesh	<a href="#">AFI-S15150</a>	
	200 mesh	<a href="#">AFI-S15200</a>	
	8 mesh	<a href="#">AFI-S28</a>	
	32 mesh	<a href="#">AFI-S232</a>	
2"	50 mesh	<a href="#">AFI-S250</a>	
	100 mesh	<a href="#">AFI-S2100</a>	
	150 mesh	<a href="#">AFI-S2150</a>	
2"	200 mesh	<a href="#">AFI-S2200</a>	
	Sumps	<a href="#">AFI-CC20</a>	



Mesh vs Micron		
Mesh	=	Micron
8	=	2,380
32	=	500
50	=	297
100	=	149
150	=	106
200	=	75

1"		<a href="#">AFI-OR10</a>
1 1/2"	Sump O-Ring Kit	<a href="#">AFI-OR15</a>
2"		<a href="#">AFI-OR20</a>

## Y STRAINER FILTERS

Remove debris from the water source, reducing clogged emitters and sprinkler nozzles.



	Item #	List
Wye Filter, 3/4" MIPT, 155 mesh	<a href="#">MI-75YF</a>	
Wye Filter, 3/4" GHT, 155 mesh	<a href="#">MI-75YFGH</a>	
Wye Filter Repl. Screen, 155 mesh	<a href="#">MI-75YSRS</a>	

## IN-LINE FILTERS



	Item #	List
1/2" Poly Inline Filter w/80 Mesh Screen	<a href="#">MI-50LF</a>	
Garden Hose Inline Filter, 3/4" GHT, 120 mesh	<a href="#">MI-75LF</a>	
Inline Repl. Screen, 120 mesh	<a href="#">MI-75LFScreen</a>	

### FILTER HOUSINGS

Width	Length	Case	Size	Item #	List
2.5"	10"	12	3/8"	<a href="#">HYD-HF210BLBK38</a>	
2.5"	10"	12	1/2"	<a href="#">HYD-HF210WHWH12</a>	

### FILTER HOUSINGS C/W AIR RELEASE BUTTON

Width	Length	Case	Size	Item #	List
2.5"	5"		3/8"	<a href="#">HYD-HF25WHWH38</a>	
2.5"	10"	12	3/4"	<a href="#">HYD-HF510BLBK34PR</a>	
2.5"	20"	8	3/4"	<a href="#">HYD-HF520BLBK34PR</a>	
4.5"	10"	6	1"	<a href="#">HYD-HF4510BLBK10PR</a>	
4.5"	20"	4	1"	<a href="#">HYD-HF4520BLBK10PR</a>	
4.5"	20"	4	1 1/2"	<a href="#">HYD-HF4520BLBK15PR</a>	

Made to house 2.5" diameter cartridges. Ideal for typical applications as pre and post-filtration for RO systems, under sink filters, countertop systems, ice machines, food service and other applications.

- Maximum - 75 PSI
- Temperature 40-125 deg F

High durability commercial filter housings for 10" and 20" length cartridges. Housing have excellent chemical resistance and are ideal for many residential, commercial and light industrial applications.

- Maximum FH10 & 20 - 100 PSI  
BB10 & 20 - 90 PSI
- Temperature FH10 & 20 - 40-125 deg F  
BB10 & 20 - 90 deg F



**Note: Hand Tighten Only. Silicone Lube Recommended.**

### FILTER HOUSINGS HIGH FLOW, THREE PIECE

Cartridge	Length	Size	Item #	List
4.5"	10"	1"	<a href="#">STE-AWP40B</a>	
4.5"	20"	1"	<a href="#">STE-AWP42B</a>	

- Three piece design for easy disassembly.
- Maximum pressure 100 PSI.
- Pressure release button and drain plug.
- Mounting bracket/wrench are included in price.
- Threaded port for pressure gauge installation.



### HYDRONIX 4.5" STAINLESS STEEL SINGLE ELEMENT FILTER HOUSINGS

Description	Ports	Drains	Item #	List
Accepts 4.5" x 10" Filter Cartridge	1"	1/4"	HYD-T130434	
Accepts 4.5" x 20" Filter Cartridge	1"	1/4"	HYD-T130434	

Ideal for commercial and industrial filter application. Made with Heavy duty 304 or 316 stainless steel construction for maximum durability, Uses 4 1/2" diameter (Big Blue style) Double Open-End (DOE) cartridges. Designed for operation up to 250°F (120°C) and high-pressure applications, the housings ring nut closure provides quick cartridge change outs.



### STAINLESS STEEL FILTER HOUSINGS HOT & COLD WATER

Length	Size	Item #	List
2.5"	10"	<a href="#">F-FHSS10</a>	
2.5"	20"	<a href="#">F-FHSS20</a>	

- Maximum - 250 PSI.
- Temperature 200°C (425°F).
- 304 Stainless Steel Sump & Head.



**See Page 50 for Mounting Brackets, Wrenches and Replacement O-Rings**

### ECOSOFT 3 STAGE UNDER SINK WATER FILTRATION SYSTEM

- Three stage filtration.
- Cartridges included.
- John Guest fittings used.
- Spring water quality.
- Full set of accessories, filters and fittings in the box.

Item #	List
<a href="#">ECO-FMV3ECOEXP</a>	



### REPLACEMENT FILTER PACKAGE



- Use with 3 stage RO and under the sink units.

Item #	List
<a href="#">ECO-CMV3ECOEXP</a>	



## HYDRONIX RESIDENTIAL REVERSE OSMOSIS SYSTEM (NSF CERTIFIED)

5 stage	Item #	List
50 gallon per day	<a href="#">HYD-RO550Q1</a>	

With the quality of our drinking water increasingly coming under question, people are now looking for alternative sources of quality water. Reverse Osmosis Drinking Water Systems provide the most convenient and economical solution. Neatly stored under the counter, the RO system provides you with clean and delicious water right from its own dedicated tap.

**Kit includes:** TFC membrane, tubing, quick connects, storage tank & sink faucet.

### LIQ-R50-NSF Replacement Filters:

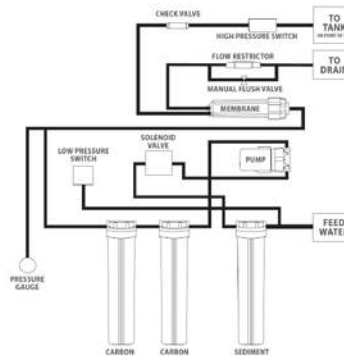
- LIQ-510, (2) LIQ-CB1010, LIQ-M50, LIQ-ICE.



## HYDRONIX 300 GALLONS PER DAY REVERSE OSMOSIS SYSTEM

Item #	List
<a href="#">HYD-RO300G</a>	

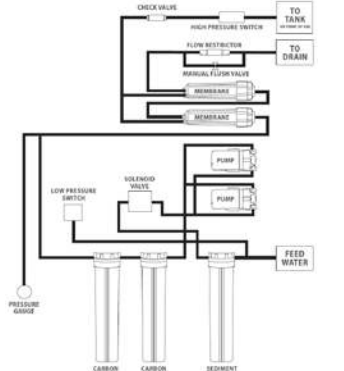
**Recovery Rate:** 1:4 Product Waste  
**Nominal Salt Rejection:** 98%  
**Operating Pressure:** 120 PSI  
**Water Hardness:** < 120 PPM (7 GPG)  
**Ph Range:** 3 - 11  
**TDS:** < 1500 PPM



## HYDRONIX 600 GALLONS PER DAY REVERSE OSMOSIS SYSTEM

Item #	List
<a href="#">HYD-RO600G</a>	

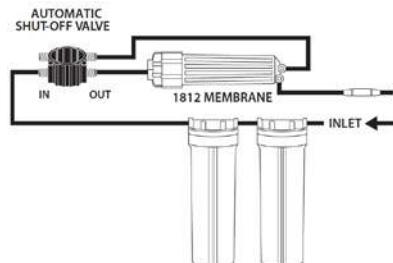
**Recovery Rate:** 1:4 Product Waste  
**Nominal Salt Rejection:** 98%  
**Operating Pressure:** 120 PSI  
**Water Hardness:** < 120 PPM (7 GPG)  
**Ph Range:** 3 - 11  
**TDS:** < 1500 PPM



## HYDRONIX 3 STAGE 100 GPD REVERSE OSMOSIS SYSTEM

Item #	List
<a href="#">HYD-RO3100Q</a>	

**Recovery Rate:** 1:4 Product Waste  
**Nominal Salt Rejection:** 98%  
**Operating Pressure:** 40 - 80 PSI  
**Water Hardness:** < 120 PPM (7 GPG)  
**Ph Range:** 3 - 11  
**TDS:** < 1000 PPM



## REPLACEMENT R.O. MEMBRANE

	Item #	List
50 GPD TFC	<a href="#">HYD-TW181250</a>	
75 GPD TFC	<a href="#">HYD-TW181275D</a>	
100 GPD TFC	<a href="#">HYD-TW2012100</a>	

Reverse osmosis filter cartridge removes dissolved solids, chemicals, micro-organisms and contaminants from water.

- Replacement RO Membrane for Aquaflo, Puretec, Vectapure, & other generic models.



## REPLACEMENT 3.2 GALLON R.O. STORAGE TANK

Max. PSI	Item #	List
100	<a href="#">HYD-RO132W14</a>	

- Stainless steel connector, side mounting for air valve.
- Maximum working pressure: 100 PSI.
- Tank stand included.



## MOUNTING R.O. CLIPS

	Item #	List
2" x 2 1/2" RO Mount Clip (Pkg 2)	<a href="#">HYD-CLP2520W</a>	

Fits RO System Membranes requiring 2-1/2" Clips to connect to a 2" In-Line Filter (or In-Line UV)



## HYDRONIX SHOK BLOK FILTER PROTECTION VALVE

	Item #	List
1/4" Quick Connects	<a href="#">HYD-SBFVB70</a>	

Your best choice for limiting water pressure to your water filtration device. Designed for high pressure installations to protect reverse osmosis systems, water filters, ice makers, coffee machines, chillers, hot tanks and water coolers to name a few.



## HYDRONIX FLOW RESTRICTOR

	Item #	List
36 GPD	<a href="#">HYD-IFR420QC</a>	
55 GPD	<a href="#">HYD-IFR550QC</a>	
100 GPD	<a href="#">HYD-IFR1000</a>	

Hydronix Flow Restrictors are used to control the amount of water your RO can produce per day. Ideally the RO membrane GPD is matched with the same restrictor.



## LEAD FREE FAUCETS

Finish	Item #	List
Antique Wine	<a href="#">HYD-LFEC25AW1</a>	
Satin Nickel	<a href="#">HYD-LFEC25BN1</a>	
Chrome Plated	<a href="#">HYD-LFEC25CP1</a>	

For use in drinking water or reverse osmosis systems. Available in most of the popular finishes including: Antique Wine, Satin Nickel, Brushed Nickel and Chrome Plated.



## ELEGANT CERAMIC FAUCET

Finish	Item #	List
Chrome Plated	<a href="#">HYD-LFEC32CP1</a>	
Brushed Nickle	<a href="#">HYD-LFEC32BN1</a>	

The LF-EC32 faucet serves as a dedicated dispenser for reverse osmosis (RO) water. Its stylish look complements any kitchen. Enjoy the convenience of ultra-purified RO water for cooking and drinking straight from this faucet.



## FAUCETS CHROME PLATED BRASS FAUCET

	Item #	List
3", Long Reach, 3/8" UNS	<a href="#">HYD-LFBLR</a>	

Hydronix LF Series Lead Free Faucets are NSF certified.

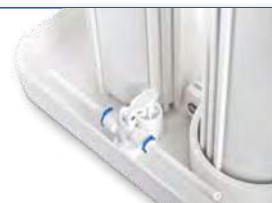
- Made of high quality material.
- Professional workmanship.



## FLOWLOK LEAK DETECTOR

	Item #	List
1/4" Valve	<a href="#">HYD-FLK14</a>	
1/4" Valve & Tray	<a href="#">HYD-FLKKIT</a>	
Replacement Pad	<a href="#">HYD-FLKPAD</a>	

**The Flowlok Safety Kit** combines the Flowlok leak detector and a safety tray in one box. It comes with installation instructions and two safety discs. An absolute **MUST HAVE** on all below sink water filtration systems!



## MOUNTING BRACKETS

Item #	List
#10, #20	<a href="#">HYD-FM20W</a>
BB #10, #20	<a href="#">HYD-FM25W</a>
Double #10, #20	<a href="#">HYD-FM40W</a>

- Fits Hydronix & Pentek Housings.
- Made from white powder coated, cold rolled steel.



## WRENCHES

Hydronix Housing	Item #	List	Pentek Housing	Item #	List
FH1003, FH1005	<a href="#">HYD-FW1</a>		F-158002	<a href="#">F-SW1</a>	
FH10, FH20	<a href="#">HYD-FW2</a>		FH10, FH20, Pentek	<a href="#">F-SW2</a>	
FHBB10, FHBB20	<a href="#">HYD-FW3</a>		FHBB10 (old), Pentek	<a href="#">F-SW3</a>	
			FHBB20 (old), Pentek	<a href="#">F-SW4</a>	



## O-RINGS

Hydronix Housing	Item #	List	Pentek Housing	Item #	List
FH1003, FH1005	<a href="#">HYD-HF23ORING</a>		F-158002 Pentek	<a href="#">OR-237</a>	
FH10, FH20	<a href="#">HYD-HF5ORING</a>		FH10, FH20, Pentek	<a href="#">OR-241</a>	
FHBB10, FHBB20	<a href="#">HYD-HF45ORING</a>		6g Silicon O-Ring Lubricant	<a href="#">PA-LPST111</a>	

When Replacing O-Rings it is Recommended to use Silicone Lubricant.



## AQUALUX SHOWER FILTER FOR DECHLORINATING AND PH BALANCING

Item #	List
Chrome Finnish	<a href="#">HYD-HDGSFCH</a>

Reduces the harmful effects of chlorine and other contaminants. The 4 stage filtration process utilizes Coconut Shell Carbon, KDF Chlorine Scavenging media, BioCeramic pH Balancing spheres and Sediment filtration. Maximum flow: 1.3 - 2.6 GPM.



## HYDRONIX EMPTY CARTRIDGES

	Size	Item #	List
Clear	10" x 2 1/2"	<a href="#">HYD-EC2510C</a>	
White	10" x 4 1/2"	<a href="#">HYD-EC4510W</a>	
	20" x 4 1/2"	<a href="#">HYD-EC4520W</a>	

Can be used with carbon, resin, KDF or any other media. Made from High Impact Polystyrene to withstand continuous usage and media changes.



## FAUCET WATER SUPPLY HOSE

Length	Item #	List
20"	<a href="#">F-FT20</a>	
36"	<a href="#">F-FT36</a>	
Compression x MIPT Brass Connector		
3/8" x 1/2"	<a href="#">F-FTCON</a>	
3/8" x 1/4"	<a href="#">F-686B</a>	
3/8" x 3/8"	<a href="#">F-686C</a>	

- 1/2" FIP x 3/8" Compression.
- Water supply hose for faucet, mixer, toilet or closetool.
- Ok for hot/cold water.
- Durable 304 high grade stainless steel wire braided hose.



## DIGITAL TDS METER

Item #	List
<a href="#">MUR-TDSMETER</a>	

- TDS Meter 3 - Measurement range:
- 0-9990 ppm with built-in digital thermometer.



## COMMERCIAL IN-LINE DUAL TDS MONITOR

Item #	List
<a href="#">HM-DM2</a>	

- Highly efficient and accurate due to its advanced microprocessor technology.
- Displays TDS levels of the Feed Water and Product Water with in & out electrode probes.
- Auto-Off function conserves battery power.



## QUICK CHECK TDS & CONDUCTIVITY MONITOR

Item #	List
<a href="#">HM-QC1</a>	

- Eight programmable set points (by dip switch).
- Bright LED lights.
- Simple to use - Quick Easy Installation
- Factory Calibrated to 100 ppm NaCl. Re-calibration is unnecessary.



## SPUN POLYPROPYLENE SEDIMENT CARTRIDGES - 2.5" DIAMETER



Micron	Length	Case	Item #	List
5 Micron	5"		<a href="#">F-15503043</a>	
1 Micron	10"	40	<a href="#">HYD-SDC251001</a>	
5 Micron	10"	40	<a href="#">HYD-SDC251005</a>	
10 Micron	10"	40	<a href="#">HYD-SDC251010</a>	
20 Micron	10"	40	<a href="#">HYD-SDC251020</a>	
50 Micron	10"	40	<a href="#">HYD-SDC251050</a>	
1 Micron	20"	20	<a href="#">HYD-SDC252001</a>	
5 Micron	20"	20	<a href="#">HYD-SDC252005</a>	
20 Micron	20"	20	<a href="#">HYD-SDC252020</a>	
50 Micron	20"	20	<a href="#">HYD-SDC252050</a>	

The Hydronix Series 2.5" diameter SDC cartridge's coreless design is an economical solution to pre-filtration for many applications. They are also used in applications such as ice machines, film processing, beverage, coffee, analytical, wineries, and many others.

- Temperature Rating 40-145° F.

**Label reads - SDC (Sediment) -  
25 (Diameter) - 1005 (Length and Micron)**

**2 1/2" Size Case Quantity - EXTRA 40 % OFF**

## SPUN POLYPROPYLENE - BIG BLUE SIZE 4.5" DIAMETER



Micron	Length	Case	Item #	List
1 Micron	10"	12	<a href="#">HYD-SDC451001</a>	
5 Micron	10"	12	<a href="#">HYD-SDC451005</a>	
20 Micron	10"	12	<a href="#">HYD-SDC451020</a>	
1 Micron	20"	6	<a href="#">HYD-SDC452001</a>	
5 Micron	20"	6	<a href="#">HYD-SDC452005</a>	
20 Micron	20"	6	<a href="#">HYD-SDC452020</a>	
50 Micron	20"	6	<a href="#">HYD-SDC452050</a>	

Our 4.5" diameter SDC Series Cartridges have true multi-stage depth filtration integrated into their design. Trapping various sized particles layer-by-layer, they provide a much higher dirt holding capacity than standard spun Polypropylene and string wound cartridges.

- Manufactured from 100% pure Polypropylene.
- Graded density for higher dirt holding capacity.
- Temperature Rating 40-140° F.

**Big Blue Size Case Quantity - EXTRA 10 % OFF**

## CARBON BLOCK FILTERS

### STANDARD 2.5" DIAMETER



Micron	Length	Case	Item #	List
10 Micron	10"	20	<a href="#">HYD-CB251010</a>	
10 Micron	20"	20	<a href="#">HYD-CB252010</a>	
5 Micron	10"	20	<a href="#">HYD-CB251005</a>	
0.5 Micron	10"	20	<a href="#">HYD-SMCB2510</a>	

### BIG BLUE SIZE 4.5" DIAMETER

10 Micron	10"	9	<a href="#">HYD-CB451010</a>	
10 Micron	20"	6	<a href="#">HYD-CB452010</a>	

**Label reads - CB (Carbon Block) -  
25 (Diameter) - 1005 (Length and Micron)**

These cartridges are manufactured with high purity coconut, high chlorine reduction, great dirt-holding capacity, and greatly reduced carbon fines. The CB Series carbon blocks are great for displacing traditional GAC (Granular Activated Carbon) and PAC (Powder Activated Carbon) filters in applications where high chlorine reduction is needed. These filters are ideal for point-of-use (POU) and reverse osmosis systems and can be used in a wide range of applications such as residential, food service, commercial, and industrial.

- High Purity Coconut Shell Carbon.
- Temperature Rating 40-180° F.

**Carbon Blocks Case Quantity - EXTRA 10 % OFF**

## FRIDGE FILTER

Use - 1/4" MPT x 1/4" OD Tube Adapters  
MUR-MA2

Inline Carbon Filter	Case	Item #	List
	50	<a href="#">HYD-ICF10</a>	



Designed to remove unpleasant taste and odor and reduce sediment to produce cleaner, clearer, better tasting water. Easily installed on the water line to an automatic ice maker, Reverse Osmosis System or water dispensing system.

- Sediment and coconut shell carbon.

## RADIAL CARBON BIG BLUE SIZE 4.5" DIAMETER

Micron	Length	Case	Item #	List
5 Micron	10"	12	<a href="#">HYD-SDP4510</a>	
25 Micron	20"	6	<a href="#">HYD-SDP4520</a>	

Ideal for point of entry and applications where a higher flow rate is required. The radial flow design offers the benefit of granular activated carbon (GAC) filtration combined with outer and inner spun polypropylene filtration for reduced sediment and reduced carbon fines.

- Temperature Rating 40-125° F.



## PLEATED

Micron	Length	Case	Item #	List
<b>(Standard) 2.5" Diameter</b>				
5 Micron	10in	40	<a href="#">HYD-SPC251005</a>	
30 Micron	10in	40	<a href="#">HYD-SPC251030</a>	
30 Micron	20in	20	<a href="#">HYD-SPC252030</a>	
<b>(Big Blue Size) 4.5" Diameter</b>				
5 Micron	10in	12	<a href="#">HYD-SPC451005</a>	
30 Micron	10in	12	<a href="#">HYD-SPC451030</a>	
50 Micron	10in	12	<a href="#">HYD-SPC451050</a>	
1 Micron	20in	6	<a href="#">HYD-SPC452001</a>	
5 Micron	20in	6	<a href="#">HYD-SPC452005</a>	
30 Micron	20in	6	<a href="#">HYD-SPC452030</a>	
50 Micron	20in	6	<a href="#">HYD-SPC452050</a>	

- Manufactured from durable polyester to provide you with a superior pleated cartridge that is durable, washable, and reusable.
- Bacteria and chemical resistant and provide great dirt holding capacity to extend the time between cartridge changes outs.
- Can be used in residential, commercial and industrial applications.
- Withstands temperatures up to 125° F.

**Label reads - SPC (Sediment Pleated) - 25 (Diameter) - 1005 (Length and Micron)**



## STRINGWOUND

Micron	Length	Item #	List
5 Micron	10in	<a href="#">F-A05DP978</a>	
25 Micron	10in	<a href="#">F-A25DP978</a>	
<b>(Big Blue Size) 4.5" Diameter</b>			
10 Micron	20in	<a href="#">HYD-SWC452010</a>	

Manufactured from a durable polypropylene cord that is wound around a rigid polypropylene core. They are an economical solution to reduce fine sediment including sand, silt, rust and scale particles.

- Withstands temperatures up to 165° F.



## HOT WATER CARTRIDGES

Micron	Length	Item #	List
1	10"	F-HOT2501	
10	10"	<a href="#">F-HOT1010</a>	
25	10"	<a href="#">F-HOT2510</a>	
5	20"	<a href="#">F-HOT520</a>	

The Hot Water String Wound Filter Cartridge is designed to meet the most demanding filtration duties in Hot or Cold water. They offer an economic, compact, easily installed and maintained filtration system for the removal of particulate from liquid.

- Stainless Steel Core.
- Maximum 300° F.



## PENTEK FILTER BAGS (BIG BLUE)

Micron	Length	Item #	List
5 Micron	10in	<a href="#">F-15538503</a>	
1 Micron	20in	<a href="#">F-15538403</a>	
5 Micron	20in	<a href="#">F-15538603</a>	
25 Micron	20in	<a href="#">F-15539003</a>	
100 Micron	20in	<a href="#">F-15539403</a>	

Polypropylene bags are compatible with a broad range of corrosive fluids including organic solvents, oils, acids, alkalis and micro-organisms.

- Thermally welded unique design results in consistent filtration efficiencies.
- Semi-rigid cylindrical design is easily crushed and incinerated Higher productivity - faster bag "change-outs".



## HARMSCO PREMIUM HURRICANE POLYESTER CARTRIDGES (NSF-61)

- **High flow capability** - Pleated Polyester-Plus™ filter media provides higher flow rates and lower initial pressure drop.
- **Lower overall operating cost** - Fewer cartridges for fewer change-outs and lower maintenance cost.
- Pleated surface area provides higher loading capacity for longer filter life and increased particle removal.
- End cap, center tube and media are thermally bonded as one integral component for added strength.
- Reduced waste disposal.
- Operator friendly.

Micron	Length (Inches)	Flow Rate (GPM)	Max Flow Rate (GPM)	Item #	List
<b>Premium Polyester Cartridges</b>					
5 Micron	19 1/2	70	100	HUR-HC905	
.35 Micron	30 3/4	105	150	HUR-HC17035	
1 Micron	30 3/4	105	150	HUR-HC1701	
5 Micron	30 3/4	105	150	HUR-HC1705	
10 Micron	30 3/4	105	150	HUR-HC17010	
20 Micron	30 3/4	105	150	HUR-HC17020	
<b>Premium Activated Carbon Cartridge</b>					
5 Micron	30 3/4	15	-	HUR-HC170AC5	

## PREMIUM ACTIVATED CARBON CARTRIDGES

- Featuring 5 micron nominal pre-filtration. The industry's largest carbon block cartridge.
- High performance extruded activated carbon block technology.
- Low initial pressure drop compared to granular activated carbon (no channeling).
- Patented Dual Durometer end caps to ensure better sealing.
- Reduced maintenance down time and cost.
- Increased contaminant removal - taste, odors, DBPs.



## RIM GASKET



Description	Item #	List
550-E, HIF Rim Gasket, EPDM	HUR-550E	
550-B, HIF Rim Gasket, Buna-N	HUR-550B	

## HARMSCO POLY-PLEAT ABSOLUTE RATED CARTRIDGES

- Absolute rated one micron filter media removes cyst-sized particles for safe, cyst-free drinking water.
- Pleated polypropylene filter media provides more surface area for longer filter life and increased particle removal.
- End caps, center tubes and media are thermally bonded as one integral component for added strength and to provide superior end sealing.
- FDA listed materials for use in potable water and liquid food applications.

*Substantially removes Cryptosporidium, Giardia Cysts, harmful organisms, sediment, silt, turbidity and more!*

Micron	Length (Inches)	Max Flow Rate	Item #	List
<b>Big Blue Cartridge</b>				
1 Absolute	20	10 gpm	F-PPBB201	
1 Absolute	10	4 gpm	<a href="#">F-PPBB101</a>	
<b>Hurricane Cartridge</b>				
1 Absolute	30 3/4	50 gpm	HUR-PPHC1701	



## PREMIUM ULTRA FILTRATION SYSTEMS

VZN systems ensure the highest quality ingredient water at the lowest cost of ownership for premium water filtration. Each system combines innovative technologies to deliver better tasting, ultrafiltered water. Our complete line of water filtration products ensure we have the system to meet your specific needs.

- .015 micron ultrafilter removes particles 33 times finer than .5 micron filtration, assuring consistent high quality water.
- Self-cleaning particle reduction assures low maintenance costs.
- Separation of mechanical filtration from taste and odor reduction assures long time between cartridge changes.
- Maintains good water minerals that provide benefits to customers' health while also creating high-quality drinks.

### Specifications:

- Max Operating Pressure: 100 psig.
- Max Operating Temp: 104°F (40°C).
- pH Range: 6.5 to 8.5
- Volts: 100 to 240.
- Watts: 10.
- Amps: .08.

Description	Max Flow Rate	UF Length	Inlet / Outlet / Drain	Rinse	W x D x H	Item #
Vertical w/ 1 carbon cartridge	5.2 gpm	10"	3/4" FNPT	3/4" GHT	25" x 9" x 27"	UF-VZN511V
Horizontal w/out carbon cartridge	8 gpm	20"	3/4" FNPT	3/4" GHT	31" x 9" x 17"	UF-520H
Horizontal w/out carbon cartridge	15 gpm	40"	3/4" FNPT	3/4" GHT	50" x 9" x 17"	UF-VZN540H
Horizontal w/ 1 carbon cartridge	15 gpm	40"	3/4" FNPT	3/4" GHT	50" x 9" x 39"	UF-VZN541H
Vertical w/ 1 carbon & 1 TAC cartridge	15 gpm	40"	3/4" FNPT	3/4" GHT	36" x 9" x 50"	UF-VZN541VT5



**Call for Pricing**



## LEAD REDUCTION FILTER CARTRIDGE NSF 42

Micron	L x W	Capacity	Item #	List
0.5	9-3/4" x 2-3/4"	3,750 gallons @ 0.75 gpm	<a href="#">F-0625010MATRIKX</a>	
0.5	20" x 4-1/2"	25,500 gallons @ 5 gpm	<a href="#">F-0645020MATRIKX</a>	

100% coconut shell activated carbon block filters for chlorine, taste, odor, lead and cyst reduction - now with chloramine and VOC reduction.



## LEAD REDUCTION FILTER SYSTEM - NSF 53

Micron	L x W	Capacity	Item #	List
0.5	14.12" x 5.25"	1,500 gal @ 2.5 gpm	<a href="#">F-160406LR1500</a>	

### REPLACEMENT CARTRIDGE

Micron	L x W	Item #	List
0.5	9-3/4" x 2-3/4"	<a href="#">F-655208LR1500</a>	

- Professional grade lead reduction drinking water system.
- NSF/ANSI Standard 53 certified to reduce cysts such as Cryptosporidium and Giardia by mechanical means.
- Full flow technology means no separate faucet required.
- **Includes 10" standard housing, 10" filter cartridge wrench, installation kit and manual.**



## ARSENIC REDUCTION FILTER CARTRIDGE - NSF 42 / 61

Media	Housing	Capacity	Item #	List
Resintech ASM	2.5" x 10"	4,000 gallons @ 0.5 gpm	F-AF203695	
10-HP Hybrid	4.5" x 10"	4,500 gallons @ 5 gpm	F-AF103695BB	
Anion Resin	4.5" x 20"	9,000 gallons @ 1 gpm	F-AF203695BB	

This Arsenic selective media has unsurpassed capacity and is effective over the entire pH range of potable water.



## HIGH PURITY DEIONIZATION FILTER CARTRIDGE

Media	Housing	Capacity	Item #	List
High Purity	2.5" x 10"	900 gallons @ 0.2 gpm	F-AF104010	
Resintech	4.5" x 10"	1,050 gallons @ 0.5 gpm	F-AF104010BB	
MBD-10-SC	4.5" x 20"	2,350 gallons @ 0.5 gpm	F-AF204010BB	

Uses ResinTech mixed bed resins to ensure high-purity, demineralized water. These resins, combined with the cartridge manufacturing of Aries FilterWorks, provide consistent high-purity water quality.



## GRANULAR ACTIVATED COCONUT CARBON 2.5"

Micron	Length	Case	Item #	List
20	10"		F-GAC10CC	

Coconut carbon GAC media for premium water filtration. The up-flow design of this 10" water filter allows for higher water to carbon contact for increased efficiency and water purification.



## GRANULAR ACTIVATED CARBON 2.5"

Micron	Length	Case	Item #	List
	10"	24	<a href="#">F-GAC10</a>	
	20"	12	<a href="#">F-GAC20</a>	

GAC Series cartridges effectively reduce unwanted tastes and odors, including chlorine from your drinking water.



## SPUN CARBON TASTE / ODOR 2.5"

Micron	Length	Case	Item #	List
5	5"	48	<a href="#">F-C2</a>	
5	10"	24	<a href="#">F-C1</a>	

For general purpose water filtration needs. Constructed of a carbon-impregnated cellulose media, these dual-purpose cartridges filter out fine sediment particles and reduce unwanted taste, odor, including chlorine taste & odor from your tap water.



## HYDRONIX HDG-P117 GRANULAR ACTIVATED CARBON 2.5"

Micron	Length	Case	Item #	List
5	10"	20	HYD-HDGP117	

The Hydronix HDG-P117 functions as a replacement filter to the Aqua-Pure AP117 and the Whirlpool WHCF-GAC. It's rigid construction eliminates sediment unloading and yields a low pressure drop.



## METERING PUMPS



Max PSI	Max GPD	Tubing	Liquifram	Item #	List
<b>115v Stroke Adjustable Only</b>					
110	24	3/8"	.9	<a href="#">LMI-P051398SI</a>	
<b>115v Stroke &amp; Speed Adjustable</b>					
50	48	3/8"	1.8	LMI-P161368SI	
110	24	3/8"	.9	<a href="#">LMI-P151398SI</a>	
250	14	1/4"	.6	<a href="#">LMI-P141358SI</a>	
<b>230v Stroke &amp; Speed Adjustable</b>					
110	24	3/8"	.9	LMI-P152398SI	

SI = Fast Prime Pump Head with 4 Function Discharge Valve  
 HI = Auto Prime Valve and 4 function Discharge Valve  
 TI = 3 Function Discharge Valve



**Ask Us About Our LMI AD Series**

## EXTERNAL CONTROL MODELS

LMI A7 series pumps require an external input such as from a SeaMetrics flow meter.

Max PSI	Max GPD	Tubing	Item #	List
250	14	1/4"	<a href="#">LMI-P741358SI</a>	
110	24	3/8"	<a href="#">LMI-P751398SI</a>	

Please Note: P74/P75/P76 Models c/w SI Discharge Valve

## LMI 4 FUNCTION BLEED VALVE

**4 Function valve is required when operating at less than 15 PSI.**

	Item #	List
New style (gray PVC) 1/4"	<a href="#">LMI-36389</a>	
New style (gray PVC) 3/8"	LMI-38004	
Auto Prime Valve 3/8"	<a href="#">LMI-38790</a>	

## LMI REPAIR KITS

	Item #	List
352 & 358 Liquid End	<a href="#">LMI-RPM352358KIT</a>	
392 & 398 Liquid End	<a href="#">LMI-RPM392398KIT</a>	
362 & 368 Liquid End	LMI-RPM362368KIT	

## STENNER PUMPS

### SINGLE HEAD ADJUSTABLE METERING PUMP

Stenner's adjustable metering pump is built with three detachable components: the motor, feed rate control, and pump head. Outputs are dependent upon three factors: the rpm of the motor gears, the percentage setting on the feed rate control, and the size of the peristaltic pump tube. All Stenner metering pumps have a 3-point roller design in the pump head, which act as a check valve to prevent back flow, siphoning, overdosing and loss of prime. The motor shaft rotates at a fixed rpm which drives the adjustable feed rate control to intermittently engage the roller assembly within the pump head. The chemical solution in the pump tube is captured between the rollers as they rotate and compress the tube. As the rollers advance, the squeezed tube section regains its original form and generates a vacuum, creating the self-priming feature that delivers a constant flow unaffected by the outlet pressure.

#### Advantages:

- Self-priming up to 25 feet and does not lose prime. Pump head universal to all Stenner pumps.
- Subassemblies fit together without tools; easy service or conversion to another model.
- Pump tubes accept a variety of chemicals and can pump off-gassing solutions.
- Adjustable feed rate control from 5%-100% in 2.5% increments and reproducible outputs within 2%.
- Can run dry without damage and will not clog from dirt or debris.
- Solutions contained in tube, not exposed to pump components or air.

**Pump Control Module:** The Pump Control Module is a component of the proportional feed system, which delivers repeatable doses regardless of the system's flow rate. The system is used in applications requiring proportional chemical injection.

**Water Meter:** The water meter sends a pulse signal to the PCM which activates the pump to deliver the desired dose based on the water volume. The PCM turns on the pump for the set duration determined to inject the solution into the water line.

Max. PSI	Adj or Fixed	Volt.	Max. GPD	Item #	List
100	Adj.	115	3	<a href="#">STN-45MJH1A1S</a>	
100	Adj.	115	10	<a href="#">STN-45MJH2A1S</a>	

Max. PSI	Adj or Fixed	Volt.	Max. GPD	Item #	List
100	Adj.	230	3	<a href="#">STN-45MJH1B1S</a>	
100	Fixed	115	3	<a href="#">STN-45MFH1A1S</a>	



# PULSE DIVIDERS & PULSE METERS OPTIONS

## STENNER PUMP CONTROL MODULE

The PCM is a time adjustable controller for use in proportional dosing for constant pressure (variable speed) well pumps and applications with varying flow rates requiring proportional injection such as applications in Animal Health or Water Conditioning.



Operating Range	Item #	List
0.1 to 1.0 Second	<a href="#">STN-PCM1</a>	

## LMI REMOTE PROGRAMMABLE DIVIDER

Automatic flow proportioning with an LMI Remote Programmable Flowmeter-Pulsar and LMI dosing pump. The wall mount divider may be installed up to 100 feet from the flow meter for easy user access.



Item #	List
LMI-PD4	

## SEAMETRICS MJR PULSE METERS

Two-wire reed switch, provides a dry contact closure and does not require power.



	Item #	List
3/4" - 2" Models SEA-MJR_		
3/4"	SEA-MDE75	
Flow Range (GPM)		
	3/4"	1"
	1 1/2"	2"
Min Flow	.25	.50
Max Flow	20	50

## LMI 1" METER REMOTE PROGRAMMABLE

LMI's Remote Programmable Flowmeter Pulsar (RFP) provides a simple method to feed chemical in proportion to water flow. All that is required is the Flowmeter Pulsar and the appropriately sized LMI Pump.



Flow	Connection	Item #	List
.8 to 50 GPM	1" MIPT	LMI-RFP10	

## STENNER PLASTIC WATER METER

For each gallon of water that passes through the water meter a single pulse will be delivered to your controller or pump control module. By doing this you effectively create a proportional feed system that paces your pump with the increase in water flow. Each meter is shipped with unions and tail pieces.



Min.	Max.	Item #	List
		3/4", 4 Pulse/Gallon	
0.22 GPM	22 GPM	<a href="#">STN-JLP07504PPG</a>	
		1", 2 Pulse/Gallon	
0.44 GPM	52 GPM	<a href="#">STN-JLP10002PPG</a>	

## Chlorination & Dechlorination Chart

Amount of Sodium Hypo 10.3% to yield 1 PPM Free Chlorine

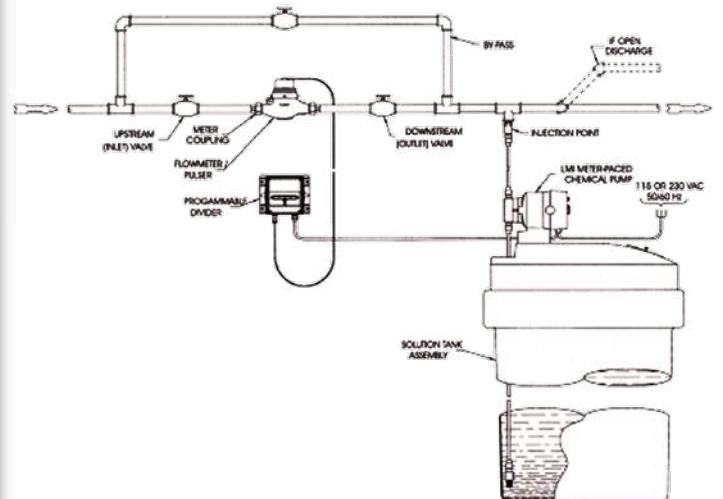
500 Gal	5,000 Gal	10,000 Gal	20,000 Gal
0.65 fl/oz	6.50 fl/oz	13 fl/oz	26 fl/oz
10 ml	100 ml	200 ml	400 ml

Amount of chemicals required to give various chlorine concentrations in 100,000 gallons of water.

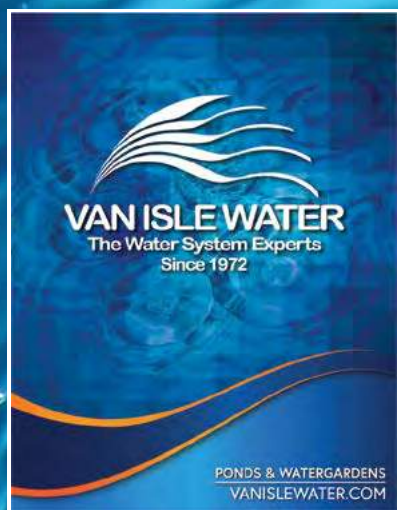
Chlorine Concentration in Water mg/L	70% HTH		
	5% House Hold Bleach	12% Sodium Hypochlorite	Calcium Hypochlorite
2 ppm	3.9 Gal	2.0 Gal	2.6 lb
10 ppm	19.4 Gal	9.9 Gal	12.8 lb
50 ppm	97.0 Gal	49.6 Gal	64 lb

Amount of chemicals required to neutralize various residual chlorine concentrations in 100,000 gallons of water.

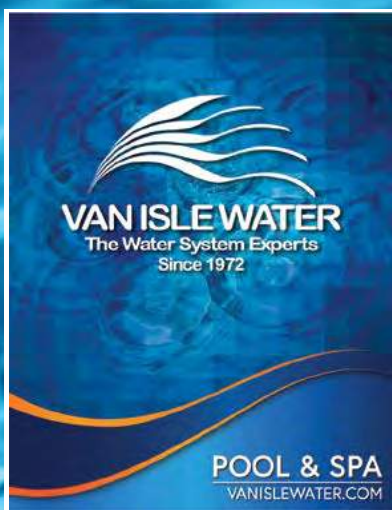
Residual Chlorine Concentration mg/L	Sodium Bisulfite (NaHSO <sub>3</sub> )		Sodium Thiosulfate (Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 5H <sub>2</sub> O)	
	X-IT	1.2 lb	Thio22	1.2 lb
1 ppm		1.2 lb		1.2 lb
2 ppm		2.5 lb		2.4 lb
10 ppm		12.5 lb		12.0 lb
50 ppm		62.6 lb		60.0 lb



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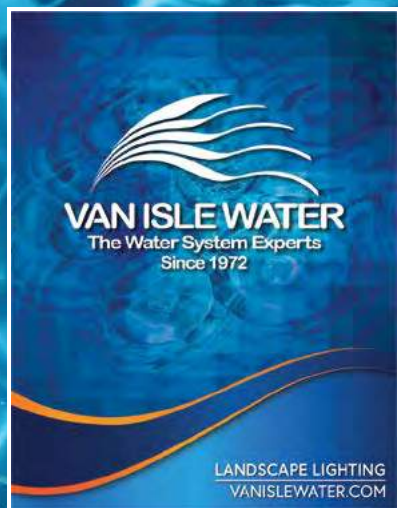
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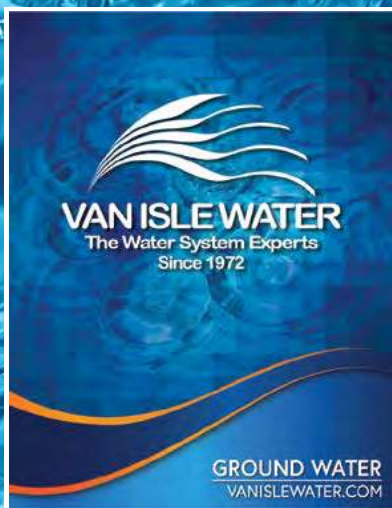
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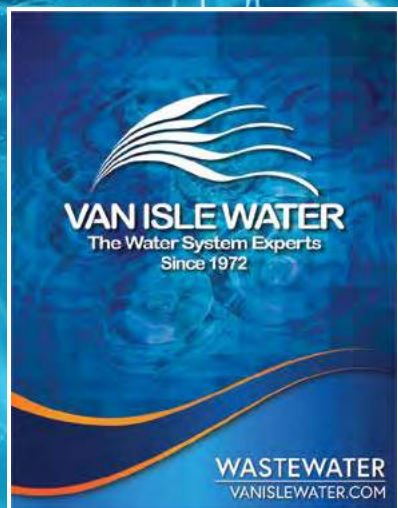
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