



CONSUMER'S FILTER MANUAL

STORM SERIES



This owner’s manual is designed to assist owners and installers with the operation, maintenance and installation of your new water filter. It is our sincere hope that this manual is clear, concise and helpful. Detailed instructions on general operating conditions, pre-installation and installation instructions, start-up, and meter programming are included. We have included a troubleshooting guide, service instructions and parts diagrams to assist future needs.

In the event that you need professional assistance for servicing your water filter, please contact the dealer who installed this system.

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Dealer Name _____ Phone _____

Address _____ Email _____

JOB SPECIFICATION SHEET

MODEL NO. _____

*WATER TEST AT TIME OF INSTALLATION

_____ Iron (ppm)	_____ Hydrogen Sulfide	_____ Manganese
_____ pH	_____ Chlorine	_____ Bromide
_____ TDS	_____ Tannins	_____ Other _____

Note: If continuous Chlorine or Ozone is added to the influent water before the filter system the influent water should be tested for the presence of Bromide. If detected, bromide must be removed prior to the addition of ozone or chlorine.

*SIZING INFORMATION

All Water is Filtered Except:

_____ Rear Hose Bib _____ Front Hose Bib _____ Kitchen Cold _____ Toilets _____ All Cold
_____ Other _____

*INSTALLATION DATE _____

*SERIAL NUMBER _____

NOTES _____

GENERAL SPECIFICATIONS

OPERATING PRESSURES

Minimum/Maximum Minimum 30 psi
Optimum Range 40-65 psi
Maximum 100 psi

OPERATING TEMPERATURES

Minimum/Maximum 40° - 110° F

METER

Accuracy ±5%
Flow Rate Range 0.25 - 27 GPM
Gallon Range 20 - 50,000

DIMENSIONS

Drain Line 3/4" or 1" NPT
Check Valve 3/8" Poly Tube

ELECTRICAL CURRENT DRAW AND VOLTAGE 2.0A/120V

NOTE: Operating outside of the optimum pressure range may affect system function. Contact your Hellenbrand support team for information.

PRE-INSTALLATION CHECK LIST

(All electrical & plumbing should be done in accordance to all local codes)

Storm is limited to indoor installations

Water Pressure: A minimum of 30 pounds of water pressure (psi) is required for regeneration. Maximum pressure 100 psi.

Water Quality: On rural water supplies there is often a problem with sand or sediment in the water. (This problem occasionally occurs in public water supplies.) Sand and sediment may plug the filter, restricting the flow through the media bed. **Note:** Well and/or pump problems affecting the operation of the filter and repairs are not covered under the warranty.

Electrical: A continuous 110 volt/60 cycle current supply is required. Make certain the current supply is uninterrupted and cannot be turned off with another switch. All electrical connections must be connected per local codes. **Surge protection is recommended with all electrical controls.**

Existing Plumbing: Condition of existing plumbing must be free from lime and iron build-up. Piping that is built-up heavily with lime and/or iron must be replaced. If piping is blocked with iron, additional equipment may be needed ahead of the filter to correct the problem.

Drain Lines: The pipe size for the drain line should be a minimum of 3/4". Backwash flow rates in excess of 7 gpm or length in excess of 20' require 1" drain line. Drain line must terminate with air gaps that conform to ASME A112.1.2 or ASME A112.1.3 to a code compliant receptor. Multiplex systems that operate independent of each other require individual drain lines. Under Wisconsin code drain line material must be approved water distribution piping per Wisconsin code 384.30-8.

Bypass Valves: Always provide for the installation of a bypass valve.

Caution: Water temperature is not to exceed 110°F; the filter cannot be subject to freezing conditions, or to a vacuum due to loss of pressure (such as a water main break).

FILTER SYSTEM DISINFECTION

The construction materials of your Filter System will not support bacterial growth nor will these materials contaminate a water supply. However, the normal conditions existing during shipping, storage, and installation indicate the advisability of disinfecting a system after installation, before the system is used to treat potable water. In addition, during normal use a system may become fouled with organic matter or in some cases, with bacteria from the water supply.

Therefore, every Filter System should be disinfected after installation, some will require periodic disinfection during their normal life. You have two choices for disinfection as follows:

A. SODIUM HYPOCHLORITE (household bleach, non-scented, EPA registered sanitizing agent) 5.25% SODIUM HYPOCHLORITE solutions are available under such trade names such as Clorox, Lin co, Bo Peep, White Sail and Eagle Brand Bleach. Any chemical introduced into a potable water supply must be NSF/ANSI/CAN 60 listed. If stronger solutions are used, such as those sold for commercial laundries, adjust the dosage accordingly. 1. Dosage: 2 ounces per cubic foot of filter media. 2. Add the required amount of hypochlorite to the inlet of the filter system. Press REGEN and allow the Filter System to go through a normal regeneration. Remember some filter medias should NOT be regenerated in the first 24 hours, program accordingly.

BYPASS VALVE OPERATION

Softening - Filtering

NORMAL OPERATION

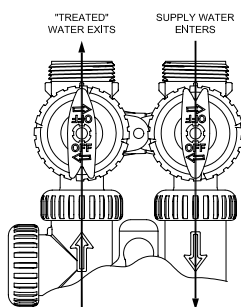


Figure 1

BYPASS OPERATION

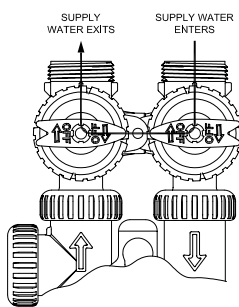


Figure 2

DIAGNOSTIC MODE

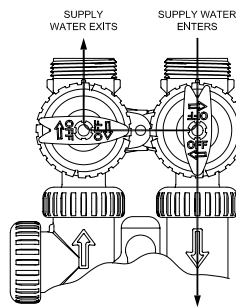


Figure 3

SHUT OFF MODE

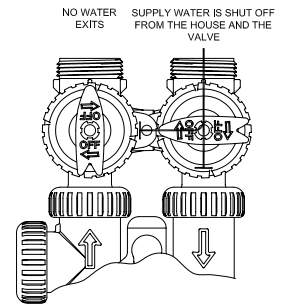


Figure 4

INSTALLATION INSTRUCTIONS

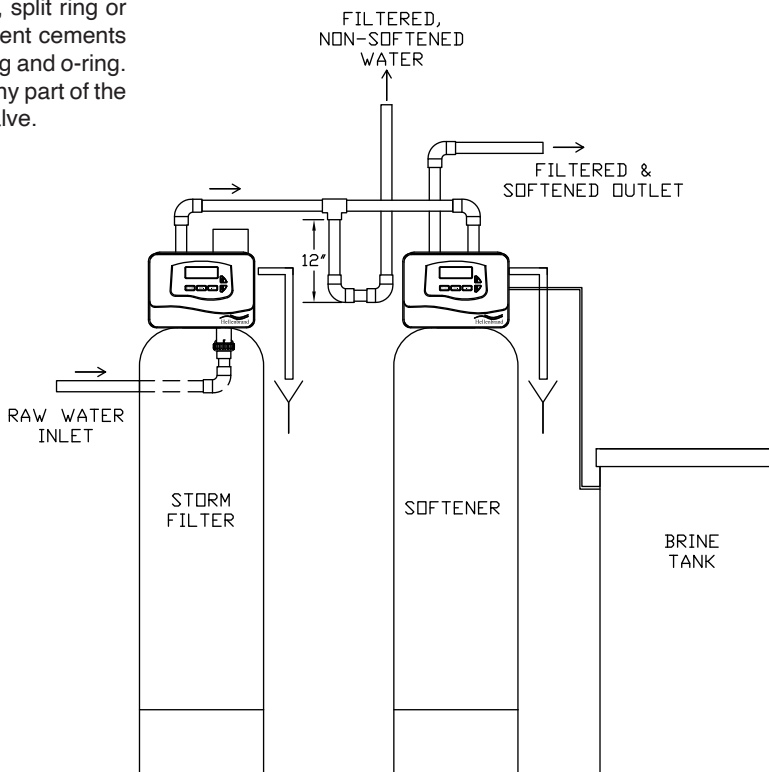
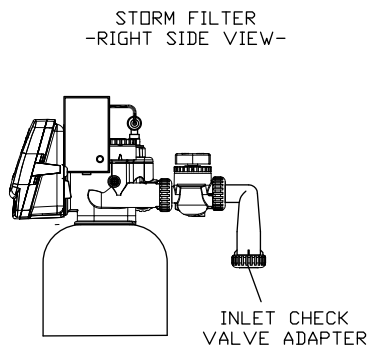
(All electrical & plumbing should be done in accordance to all local codes)

Your new Storm System allows for simple installation and start up. Installation diagrams are provided to assist you. Use of these diagrams and the following procedures will ensure that the system is properly installed.

Follow all state and local plumbing and electrical codes!

- Do not use vaseline, oils, other hydrocarbon lubricants anywhere. A silicon lubricant may be used on black o-rings but is not necessary.
- Do not use paste or other sealants on threads. Only teflon tape may be used on threads. Teflon tape is not necessary on the nut connection or caps because of radial o-ring seals.
- **The pipe size for the drain line should be a minimum of 3/4". Backwash flow rates 10 gpm or greater or length in excess of 20' require 1" drain line.**

1. Place the filter where you want to install it, making sure it is on a clean, level and firm base.
2. Do all necessary plumbing (Install check valve on inlet to filter, inlet to inlet, outlet to outlet and drain line to drain). The control valve, fittings and/or bypass are designed to accommodate minor plumbing misalignments but are not designed to support the weight of a system or the plumbing.
3. When assembling the installation fitting package (inlet and outlet), connect the fitting to the plumbing system first and then attach the nut, split ring and o-ring. Heat from soldering or solvent cements may damage the nut, split ring or o-ring. Solder joints should be cool and solvent cements should be set before installing the nut, split ring and o-ring. Avoid getting primer and solvent cement on any part of the o-rings, split rings, bypass valve or control valve.



4. **A jumper ground wire should be installed between the inlet and outlet pipe whenever the metallic continuity of a water distribution piping system is interrupted. Install grounding strap on metal pipes.**
5. The drain connection may be made using a 3/4" female adapter. If soldering, joints near the drain must be done prior to connecting the drain line flow control fitting. Leave at least 6" between the drain line control fitting and solder joints when soldering pipes that are connected on the drain line control fitting. Failure to do this could cause interior damage to the drain line flow control fitting.

This unit is not intended to aid in the mitigation of microorganisms and is not duly registered as a pesticidal device.

The Storm ozone filter must not be used on bacteriologically unsafe water supplies, such as those with positive Coliform or E Coli bacteria tests.

The Storm Filter does not sanitize piping upstream or downstream of the filter. It is recommended to sanitize piping and water supply prior to installation.

Fasten drain line securely as head of ozone is discharged under water pressure at beginning of regeneration.

When installing a Storm Filter system it is common to provide filtered only water to some fixtures such as the kitchen cold faucet. This is typically done as a matter of personal preference. On rare occasions, the customer may experience some air in the filtered water line the morning after regeneration. It has proven beneficial to plumb the line for the filtered only water fixture in a downward direction from the inlet of the softener (12 inches recommended), then make a reverse turn and go upward toward the fixture. Any accumulated air always rises to the highest point in a water system and cannot naturally flow downward.

Start Up Instructions

For optimal results, allow the filter media to soak for a minimum of 12 hours prior to install. This helps to maintain the manufacturer's specified filtration properties.

1. Complete all plumbing connections; inlet, outlet and drain line.
2. Place bypass valve in bypass position. Turn on main water supply and open a cold filtered faucet to flush piping of any air and/or foreign material. Run until water is clear.
3. Open inlet valve slowly on bypass until it is in fully open service position. Let water run to drain until clear. Plug unit into 120V outlet and remove cover and plug transformer connection into 4-prong connection on circuit board labeled power. Valve will return to service position once this connection is made.
4. Let media soak for 15 minutes before proceeding.

5. Initiate backwash by holding "REGEN" button down until piston movement is heard.
6. Let backwash continue until cycle is done. When "RINSE" is displayed, push the REGEN button again to move into the SERVICE position. Let the system settle for 5 minutes.
7. Repeat the backwash and settle steps (5&6) for a total of three times.

NOTE: It takes several backwash cycles before all the media fines are removed. Elimination of the 12 hour soak procedure may result in more backwash cycles required to remove the media fines.

Failure to follow proper start-up may result in equipment malfunction not covered by warranty.

Operating Conditions

pH — The pH level of the influent water must be 7.0 or higher for iron oxidation reaction to proceed per the engineering specifications.*

Iron — This system is rated for 6.0 ppm of ferrous (clear water) and/or ferric (red water) iron.*

Hydrogen Sulfide — Sometimes referred to as "rotten egg" odor. This system is rated for 5.0 ppm hydrogen sulfide. Hydrogen sulfide levels vary depending on barometric pressure.*

Manganese — Limit 1.0 ppm; amounts present over 1.0 ppm may gradually prevent iron removal. Note: For optimum manganese reduction, pH should be greater than 8.5.*

Organic Matter (Tannins) — The presence of organic matter such as tannins will prevent the oxidation process of converting the dissolved element, such as iron or manganese, to a nonsoluble precipitate or solid substance. In other words, organics can tie up the iron preventing filtration. **The presence of organics such as tannins above 0.5 ppm voids any claims for this system to perform as stated above. In some applications, tannin levels below 0.5 ppm or the presence of other organics may hinder the operation of this system.***

Total Dissolved Solids (TDS) — While TDS does not directly affect iron removal, it is a good indicator of potential interference. Most waters have TDS less than 500 and generally present no problems to iron reduction. If any ion becomes excessive, it may cause failure of iron removal. **A TDS more than 500 ppm voids any claims for this system to perform as stated above.***

***For application parameters outside the specified operation conditions or additional information regarding the listed items, contact your dealer.**

Do not install on chlorinated water supplies - harmful by-products may be formed with ozone.

This unit is not intended to aid in the mitigation of microorganisms and is not duly registered as a pesticidal device.

The Storm ozone filter must not be used on bacteriologically unsafe water supplies, such as those with with positive Coliform or E Coli bacteria tests.

Small amounts of hardness (0.5-2 gpg) may occur initially when filters installed on soft water.

Specifications

Iron Storm Models	Filter Tank Size	Media Cu. Ft	Inlet/Outlet	Max. Service Flow GPM	(1) Backwash Rate GPM
Iron Storm-10	10"x54"	1.0	1"	4	5.3
Iron Storm-12	12"x52"	1.6	1"	6	7.5
Iron Storm-13	13"x54"	1.9	1"	7	10

(1) Water temps above 60° F will require a higher backwash rate. Consult factory.

Backwash Frequency

Iron Applications

- 0.3 - 2.0 ppm Iron - Every 3rd Day
- 2.0 - 4.0 ppm Iron - Every Other Day
- 4.0 - 6.0 ppm Iron - Every Day

Ozone Recharge Frequency

Hydrogen Sulfide Applications

- 0.1 - 1.0 ppm Hydrogen Sulfide - 100 Gallon
- 1.0 - 5.0 ppm Hydrogen Sulfide - 50 Gallon

Programming

General Information

The control valve is the “brain” of your water filter. It consists of the valve body and powerhead with solid state microprocessor.

The display panel (see Figure 5) consists of the LCD display and five push buttons which are used in displaying and programming the water filter settings.

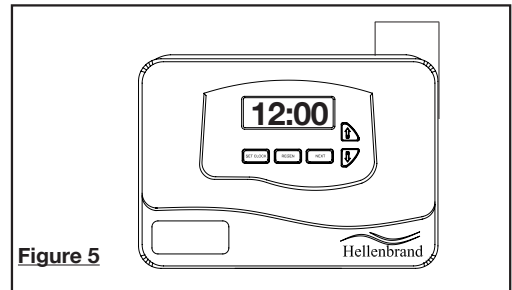


Figure 5

User Displays/Settings

General Operation

When the system is operating, one of three displays may be shown. Pressing NEXT will alternate between the displays. One of the displays is the current time of day. The second display is one of the following: days to a regen or gallons remaining. Days To A Regen is the number of days left before the system goes through a regeneration cycle. Capacity remaining is the number of gallons that will be treated before the system goes through a regeneration cycle. The third display is current flow in gal/min. The user can scroll between the displays as desired by pushing NEXT or display will scroll automatically.

When water is being treated (i.e. water is flowing through the system) the word "GPM" flashes on left side of display when other than flow rate is displayed.

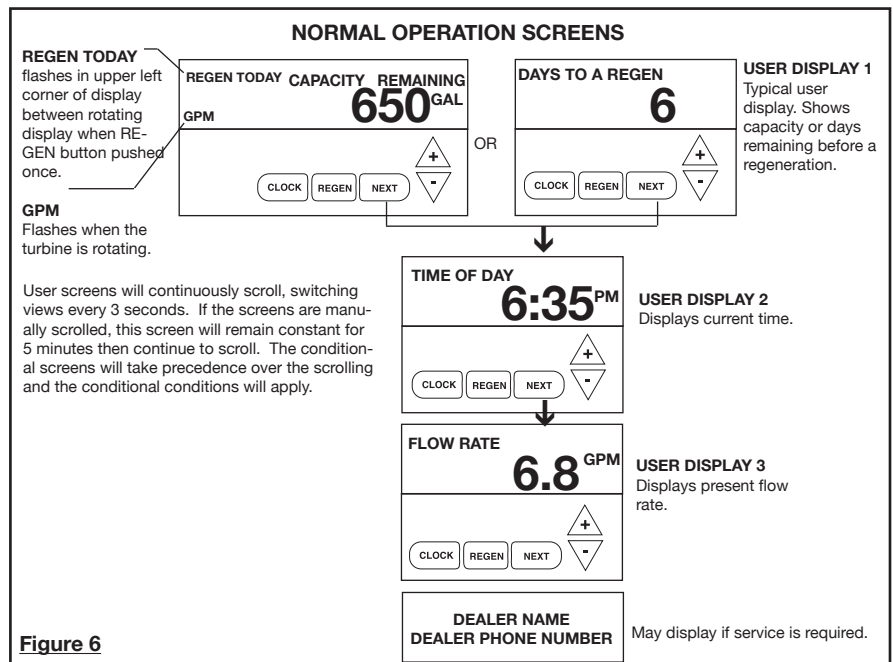


Figure 6

Regeneration Mode

Typically a system is set to regenerate at a time of low water usage. An example of a time with low water usage is when the household is asleep. If there is a demand for water when the system is regenerating, untreated water will be supplied. If water is being used when regeneration starts, there may be a momentary delay in flow as old head of air is being expelled from the system.

When the system begins to regenerate, the display will change to include information about the step of the regeneration process and the time remaining for that step to be completed. The system runs through the steps automatically and will reset itself to provide treated water when the regeneration has been completed.

Manual Regeneration

Sometimes there is a need to regenerate the system, sooner than when the system calls for it, usually referred to as manual regeneration. This is usually due to period of heavy water usage.

To initiate a manual regeneration at the preset delayed regeneration time, press and release "REGEN". The words "REGEN TODAY" will flash on the display to indicate that the system will regenerate at the preset delayed regeneration time. If you pressed the "REGEN" button in error, pressing the button again will cancel the request.

To initiate a manual regeneration immediately, press and hold the "REGEN" button for three seconds. The system will begin to regenerate immediately. The request cannot be cancelled. You must cycle all the way through the cycles to make it stop. PLEASE NOTE: This will reset the meter.

Regeneration Step #2
(shows time remaining in "Backwash" is 8:22)



Figure 11

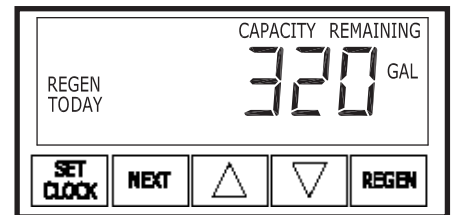
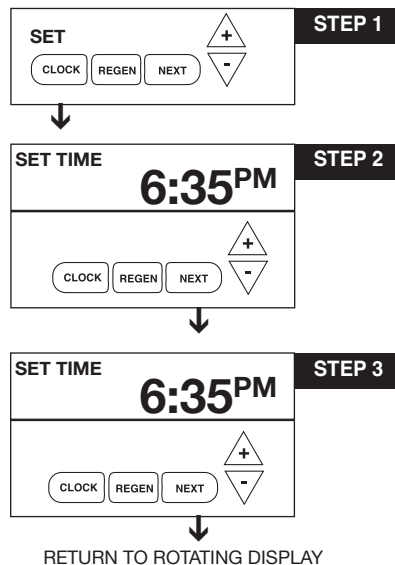


Figure 7

Set Time Of Day



▲ = ▲ Up Arrow ▼ = ▼ Down Arrow

Step 1 - Press SET CLOCK.

Step 2 - Current Time (**hour**): Set the hour of the day using ▲ or ▼ buttons. AM/PM toggles after 12. Press NEXT to go to step 3.

Step 3 - Current Time (**minutes**): Set the minutes of day using ▲ or ▼ buttons. Press NEXT to exit Set Clock. Press REGEN to return to previous step.

Power Loss - Lithium battery on circuit board provides up to 2 years of time clock backup during power outages. If the power is out when battery is depleted, only time of day needs to be reset, all other values are stored in non-volatile memory. When time of day is flashing, replace lithium coin type 2032 battery.

Battery back-up feature will be activated after 24 hours of power.

Do not forget to reset for daylight savings time.

Trouble Shooting

PROBLEM	CAUSE	CORRECTION
1. Control valve stalled in regeneration	<ul style="list-style-type: none"> A. Motor not operating B. No electric power at outlet C. Defective transformer D. Defective PC board E. Broken drive gear or drive cap assembly F. Broken piston retainer G. Broken main or regenerant piston 	<ul style="list-style-type: none"> A. Replace Motor B. Repair outlet or use working outlet C. Should provide 12 volts when plugged into outlet, if not, replace transformer D. Replace PC board E. Replace drive gear or drive cap assembly F. Replace drive cap assembly G. Replace main or regenerant piston
2. Blank or incomplete LCD display	<ul style="list-style-type: none"> A. Transformer unplugged B. No electric power at outlet C. Defective transformer D. Short in meter E. Check battery, should be greater than 3 volts F. Defective PC board 	<ul style="list-style-type: none"> A. Connect to power B. Repair outlet or use working outlet C. Should provide 12 volts when plugged into outlet, if not, replace transformer D. Unplug meter from PC board, if LED lights appropriately, replace meter assembly. E. Replace battery if less than 3 volts F. Replace PC board
3. Control does not display correct	<ul style="list-style-type: none"> A. Power outage > 2 years time of day B. Power outage < 2 years, time of day flashing, battery depleted 	<ul style="list-style-type: none"> A. Reset time of day, replace lithium coin type battery on circuit board B. Reset time of day, replace lithium coin type battery on circuit board
4. No "filtering" display when water is flowing	<ul style="list-style-type: none"> A. Bypass valve in bypass position B. Meter connection disconnected C. Restricted/stalled meter turbine D. Defective meter E. Defective PC board 	<ul style="list-style-type: none"> A. Put bypass valve in service position B. Connect meter to PC board C. Remove meter & check for rotation, clean foreign material D. Replace meter E. Replace PC board
5. Control valve regenerates at wrong time of day	<ul style="list-style-type: none"> A. Power outages B. Time of day not set correctly C. Time of regeneration incorrect D. Control valve set at "on 0" (immediate regeneration) E. Control valve set at NORMAL + on 0 	<ul style="list-style-type: none"> A. Reset control valve to correct time of day B. Reset to correct time of day C. Reset regeneration time D. Check control valve set-up procedure regeneration time option E. Check control valve set-up procedure regeneration time option
6. Odor bleedthrough	<ul style="list-style-type: none"> A. Test for Hydrogen Sulfide (H₂S) on site. 	<ul style="list-style-type: none"> A. Hydrogen Sulfide bleedthrough <ul style="list-style-type: none"> 1. Increase frequency of ozone recharge 2. Exceeding flow rate specification - see page 6 3. No ozone present - see Ozone Generator troubleshooting B. No Hydrogen Sulfide after unit <ul style="list-style-type: none"> Bacteria is source of odor rather than H₂S, chlorinate distribution plumbing and flush completely
7. Momentary reduction of water pressure at the start of regeneration	<ul style="list-style-type: none"> A. Head of air being expelled to drain 	<ul style="list-style-type: none"> A. Reprogram regeneration to a time when water is not being used

Ozone Generator Troubleshooting Guide

SYMPTOM	POSSIBLE CAUSE	CORRECTION
1. Ozone unit does not turn on	<ul style="list-style-type: none"> A. Unit not wired correctly to relay B. Unit not programmed correctly C. Blown fuse 	<ul style="list-style-type: none"> A. Consult with your dealer B. See program on page 11. Relay should be programmed on Time. Usually set to 19 minutes. Duration should be programmed for 2 minutes less than length of time to draw ozone to top of filter bed. C. Replace fuse with equally rated fuse
2. Unit keeps blowing fuses	<ul style="list-style-type: none"> A. Electrical short in unit B. Incorrect fuse value and type are being used C. Unit is connected to improper power source 	<ul style="list-style-type: none"> A. Visually inspect unit, and check for loose connections. Inspect printed circuit board for burn marks. Inspect high voltage wire from printed circuit board to ozone cell for disconnection or burn marks. Repair any and all problems prior to placing unit in service or contact factory for service information B. Replace with appropriate size/type fuse. C. Refer to ozone generator manual for correct voltage requirements
3. Unit turns on, but no ozone output	<ul style="list-style-type: none"> A. Cell is plugged with a build-up of nitrous byproducts and particulate matter. Usually caused by the lack of proper air preparation B. Water has been allowed to back up into cell C. Frequency driver high voltage lead(s) is not connected to ozone cell(s) D. Frequency driver is defective 	<ul style="list-style-type: none"> A. Rinse cells with warm water and dry completely before replacing B. Replace cell/check valve C. Connect lead(s) to Corona Discharge Cell(s) D. Replace circuit board driver

PROMATE 6 IC STORM WITH AIR REGEN SPECIFICATIONS

<i>MODEL</i>	PM6 IC Storm 10	PM6 IC Storm 12	PM6 IC Storm 13
FACTORY PRESET MINUTES			
Backwash # 1 : Seconds	0:10	0:10	0:10
Draw DN # 1 : Minutes	8	12	12
*Water Usage (Gallons) sequence # 1	6.5	9.8	10.2
BACKWASH # 2 : MINUTES	12	12	12
RINSE # 2 : MINUTES	6	6	6
DRAW DN # 2 : MINUTES	8	12	12
*Water Usage (Gallons) sequence # 2	100	142	187
Maximum Service Flow Rate	4.0	6.0	7.0
Media, Cubic Feet	1	1.6	1.9
Mineral Tank Dimension	10x54	12x52	13x54
Drain Line Flow Control- GPM	5.3	7.5	10
Injector	Dk. Green	Dk. Green	Dk. Green
Max. Iron Concentration	6.0	6.0	6.0
Max. Hydrogen Sulfide Concentration	5.0	5.0	5.0
Max. Manganese Concentration	1.0	1.0	1.0

* Based upon 50 psi water pressure

** **Do not use Storm filter on chlorinated water supplies.**

***For levels higher than the maximum concentrations listed, contact manufacturer. Local water conditions may require different application parameters.

Note: Manual regeneration follow sequence # 2

This unit is not intended to aid in the mitigation of microorganisms and is not duly registered as a pesticidal device.

The Storm ozone filter must not be used on bacteriologically unsafe water supplies, such as those with positive Coliform or E Coli bacteria tests.

FILTER WARRANTY

INCLUDES – Iron Curtain® 2.0, Iron Curtain® Jr. and Storm Filter Systems

Hellenbrand, warrants to the original consumer purchaser that the system and the parts listed below will be free from defects in material and/or workmanship from the date of the original installation for the following time periods:

For a Period of FIVE YEARS: The filter control valve electrical parts including the motor and board, control valve body, excluding internal parts.

For a Period of FIVE YEARS: The IC-2.0 Aeration Macromatic Timer.

For a Period of FIVE YEARS: The IC-2.0 aeration control body, excluding its internal parts, solenoid and air pump assemblies.

For a Period of TEN YEARS: The fiberglass aeration or mineral tanks, 6" Diameter - 13" Diameter.

For a Period of FIVE YEARS: The fiberglass aeration or mineral tanks, 14" Diameter - Up.

For a Period of ONE YEAR: The Ozone Generator.

For a Period of ONE YEAR: The entire unit system ("System").

Any parts used for replacement are warranted for the remainder of the original warranty period for the applicable part.

THIS WARRANTY IS EFFECTIVE TO THE ORIGINAL CONSUMER PURCHASER ONLY, AND ONLY FOR AS LONG AS THE SYSTEM REMAINS AT THE ORIGINAL INSTALLATION SITE. COVERAGE TERMINATES IF YOU SELL OR OTHERWISE TRANSFER THE SYSTEM OR IF THE SYSTEM IS MOVED FROM THE ORIGINAL INSTALLATION SITE.

No sales representative, distributor, agent, dealer, reseller, authorized seller or any other person or entity is authorized to make any other warranty, or modify or expand the warranty provided herein on behalf of Hellenbrand. Upon expiration of the applicable warranty period, Hellenbrand shall have no further liability related to the System/parts to which the warranty period applies, except with respect to valid warranty claims asserted during the appropriate warranty period.

If the System or any part described above becomes defective within the specified warranty period, you should notify your local authorized seller of Hellenbrand products, and arrange a time during normal business hours for the inspection of the System at the original installation site. You may also contact Hellenbrand and we will provide you with the contact information for your local authorized seller of Hellenbrand products. Hellenbrand, at its option, will repair or replace the System or any part found defective within the terms of this warranty. You are responsible for freight from our factory and any service fees charged by the local authorized seller of Hellenbrand products for installation, repair, removal, replacement, service, etc., of any System or parts. This warranty does not include any labor charges. This paragraph sets forth the exclusive remedy for any valid warranty claims against Hellenbrand.

THIS WARRANTY DOES NOT COVER defects caused by sand, sediment or bacteria fouling, accident, fire, flood, Act of God, misuse, misapplication, neglect, alteration, installation or operation contrary to Hellenbrand's printed instructions, or installation, repair or service by anyone other than Hellenbrand or an authorized seller of Hellenbrand products.

IN ADDITION, THIS WARRANTY DOES NOT COVER UNPROTECTED OUTDOOR INSTALLATIONS. This System, including all of the electrical components, must be protected against windblown dust, falling and windblown rain, freezing temperatures and the formation of ice, with an appropriate enclosure consisting of a floor, roof, walls, ventilation and heat.

As a manufacturer, we do not know the characteristics of your water supply or the purpose for which you are purchasing this system. You should be aware that the quality of water supplies may vary seasonally or over a period of time, and that your water usage rate may vary as well. Water characteristics may change considerably if this System is moved to a new location. For these reasons, Hellenbrand assumes no liability for the determination of the proper equipment necessary to meet your needs; and Hellenbrand does not authorize others to assume such obligations for Hellenbrand.

TO THE EXTENT PERMITTED BY APPLICABLE LAW, REMEDIES FOR DEFECTS OR FAILURES ARE LIMITED TO THE REMEDIES PROVIDED IN THIS WARRANTY. THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, NON-INFRINGEMENT, OR ANY WARRANTIES ARISING FROM COURSE OF PERFORMANCE, COURSE OF DEALING, OR FROM USAGES OF TRADE, ARE LIMITED IN DURATION TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.

UNDER NO CIRCUMSTANCES SHALL HELLENBRAND BE LIABLE TO THE ORIGINAL CONSUMER PURCHASER OR TO ANY OTHER PERSON FOR ANY INCIDENTAL, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES OR FOR ANY OTHER LOSS, DAMAGE, OR EXPENSE OF ANY KIND, INCLUDING LOSS OF PROFITS, WHETHER ARISING OUT OF BREACH OF WARRANTY, BREACH OF CONTRACT, IN TORT OR OTHERWISE, AND REGARDLESS OF WHETHER HELLENBRAND WAS AWARE OF THE POSSIBILITY OF SUCH LOSS. THESE LIMITATIONS WILL APPLY REGARDLESS OF ANY FAILURE OF ESSENTIAL PURPOSE OF ANY LIMITED REMEDY.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. Similarly, some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Hellenbrand products are not for sale or distribution into the State of California effective 8/31/18.