

Congratulations on your purchase of the Natural Home MG-30 filtration system. The MG-30 is designed to offer the best point-of-entry performance for large homes and businesses, effectively reducing a broad spectrum of contaminants for an average of 5 - 7 years between service.

Please review this guide carefully and give a copy to your licensed plumber before they arrive to install your system. You should keep this guide for reference as it will assist you with testing, programming, or troubleshooting your unit in the future if necessary. The latest version of the manual can be found at www.NaturallyFiltered.com

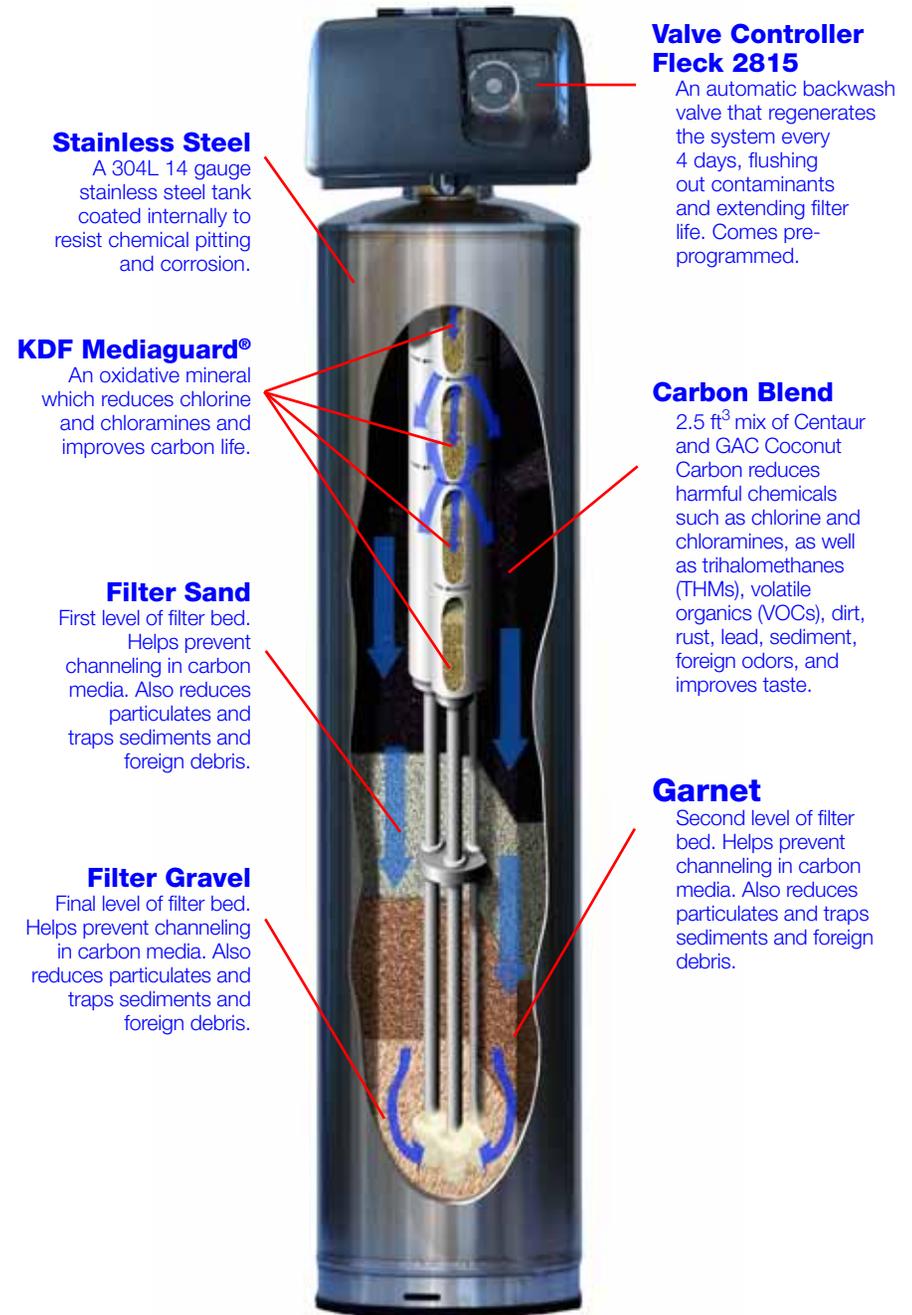
- ◆ Protects your family by reducing chlorine, chloramines, volatile organic compounds (VOCs), THMs, and heavy metals
- ◆ Pure, safe, natural-tasting water
- ◆ A spa experience in every bath or shower

Specifications

Media	Carbon: 2.5 Ft ³ GAC & Centaur mix KDF: 3x Mediaguard with parallel KDF85 stages Bed: Filter Sand, Mixed Garnet, and Filter Gravel
Flow Rate	30 gallons (114 liters) per minute @ 50 psi inlet
Water Pressure	40 - 100 psi (2.76 bar - 6.895 bar)
Dimensions	14" (35.6cm) diameter x 67.5" (171.5cm) high
Connections	Inlet/Outlet 1.5" (38.1mm) Female NPT Drain 1.5" (38.1mm) Female NPT
Weight	245 lbs. (111 kg)
Operating Temperature	40° – 150° F (4.4° – 66° C) Warning: Do not allow exposure to freezing temperatures
Construction	Polished 304L 14 Gauge Stainless Steel tank
Controller Valve	FLECK 2815 - AC 110v, 60 Hz (220v, 50Hz optional)
Rated Filter Life	5 - 7 Years
Product Warranty	3 Years Mechanical

System Requirements

Water Source	Engineered for use with potable, municipally treated water only. Water source must produce a minimum of 15 gpm at 35 psi for proper regeneration.
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Stainless Steel

A 304L 14 gauge stainless steel tank coated internally to resist chemical pitting and corrosion.

Valve Controller Fleck 2815

An automatic backwash valve that regenerates the system every 4 days, flushing out contaminants and extending filter life. Comes pre-programmed.

KDF Mediaguard®

An oxidative mineral which reduces chlorine and chloramines and improves carbon life.

Carbon Blend

2.5 ft³ mix of Centaur and GAC Coconut Carbon reduces harmful chemicals such as chlorine and chloramines, as well as trihalomethanes (THMs), volatile organics (VOCs), dirt, rust, lead, sediment, foreign odors, and improves taste.

Filter Sand

First level of filter bed. Helps prevent channeling in carbon media. Also reduces particulates and traps sediments and foreign debris.

Garnet

Second level of filter bed. Helps prevent channeling in carbon media. Also reduces particulates and traps sediments and foreign debris.

Filter Gravel

Final level of filter bed. Helps prevent channeling in carbon media. Also reduces particulates and traps sediments and foreign debris.

Blue arrows indicate water flow through MG-30.

Chlorine Testing

The MG-30 Home System should be tested once per year to ensure it is efficiently reducing Chlorine. This is a simple, cost effective way to ensure your system is performing properly.

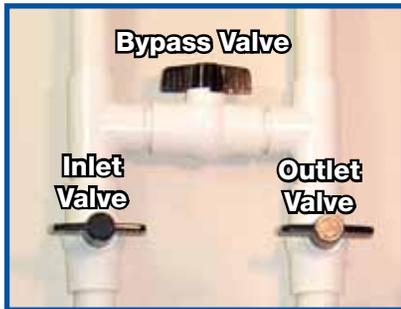
First check with your local water treatment company to determine if they are using Chlorine (Free Chlorine) or Chloramines (Total Chlorine). You can then purchase a compatible Free or Total Chlorine testing kit from your local hardware, plumbing, or pool store. Follow the test instructions and take a sample of your water from the kitchen tap (cold water) and a control sample from an outside, unfiltered spigot.

The MG-30 should be reducing at least 90% of your Chlorine. If it is effectively reducing Chlorine the filtration media has not been exhausted and other chemicals such as VOCs and THMs should also be effectively reduced.

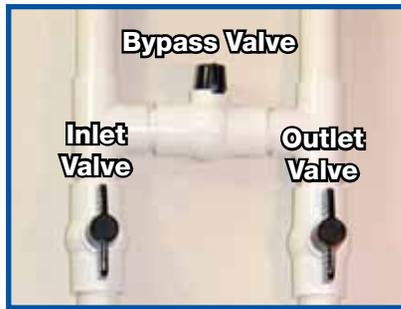
Bypassing Your System

The MG-30 Home System should be installed with bypass valves. These are necessary for testing the system in the event of an odor, taste, or flow issue. The system must also be bypassed for service, refurbishment, or relocation. Reference the images below for valve placement during Bypass Mode or Flow Mode.

Bypass Mode



Flow Mode



Power Outages

During a power outage the MG-30 continues to filter your water properly and the time and control settings will remain the same. However, the MG-30 will not regenerate without power, and must regenerate regularly to maintain proper filtration effectiveness. Also, without power the clock stops and the time setting will need to be reset to the correct time once power is restored.

To properly maintain your MG-30, we recommend that you check the MG-30 time settings and perform a manual regeneration (see page 6) at least every three months. This is done to ensure the MG-30 control valve is working properly. If you are located in an area that experiences frequent power outages, you may wish to purchase a small universal power supply (UPS) from your local electronics store to maintain power to the clock during brief outages.

Water Pressure

A minimum of 35 pounds of water pressure per square inch (psi) is required to operate the MG-30 effectively. Also note, water pressure should not exceed 100 psi. If your water pressure reaches levels near 100 psi, you must have a plumber install a pressure regulator on your master waterline before the MG-30 unit.

Electrical Facilities

An uninterrupted alternating current 110V (AC), 60 Hz, supply is required. Please make sure the existing voltage supply is compatible with the unit before installation. Ensure that a power source meeting all local requirements is within reach of the unit's power cord. Most electrical codes require a GFI plug for exterior installations.

Existing Plumbing

The condition of the existing plumbing should be free from lead, lime, and iron buildup. Piping that is heavily built up with lead, lime, and/or iron should be replaced. All new plumbing should be performed in accordance with local plumbing codes.

Water Temperature

This unit is rated to operate within a temperature range of 40° – 150° F (4.4° – 66° C); *Operating in temperatures outside these parameters may damage your unit and voids all warranties.*

Location of MG-30 Unit

For outdoor installations, a concrete foundation and roof or covering is suggested. To prevent valve malfunction and the possibility of permanent damage to your MG-30, we recommend you install a ground-fault interrupt (GFI) switch, and ensure that both the valve and switch are protected from the elements. When installing units in locations with high temperature differentials, we recommend you add a drip pan under the unit to catch condensation.

If your system is installed indoors you should purchase an electronic water shut-off system (such as WaterCop – <http://www.watercop.com>). Significant water damage may result from an unexpected leak in your MG-30 or any other plumbing device and Naturally Filtered is not liable for such damages.

If your water supply is a private well, contact Support at 800-428-9419 before installation. This system is designed for municipally treated water.

WARNING: Water that is micro-biologically unsafe, contains unusually high suspended solids, or has extremely high concentrations of chemicals or other elements, cannot be used with your MG-30.

MG-30 Control Valve Master Programming

The MG-30 system is factory set to regenerate every 4 days at 3AM for 25 minutes. Use the instructions below to make desired adjustments.

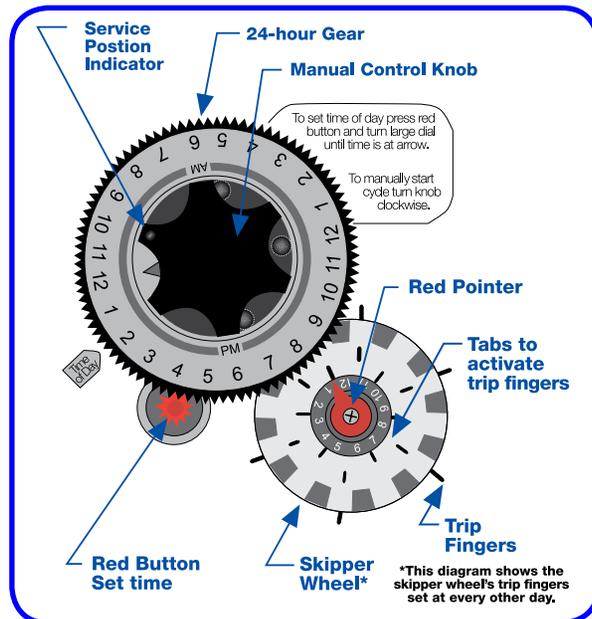
Set Days for the MG-30 to Regeneration Cycle:

Rotate the skipper wheel (see Diagram A) until the number 1 is at the red pointer. Set the days when regeneration is to occur by sliding tabs on the skipper wheel outward to expose the trip fingers. Each tab represents one day. Red pointer arrow is tonight. Moving clockwise from the red pointer, extend or retract fingers to obtain the desired regeneration schedule. For standard applications, every fourth day is generally sufficient (one trip finger out & three in, repeat, repeat).

Set The Time of Day:

1. Press and hold the red button in and the drive gear will disengage.
2. Turn large 24-hour gear until the actual time of day is at the time of day pointer – be sure to select the appropriate AM or PM hour.
3. Release the red button to engage the drive gear.

Diag. A

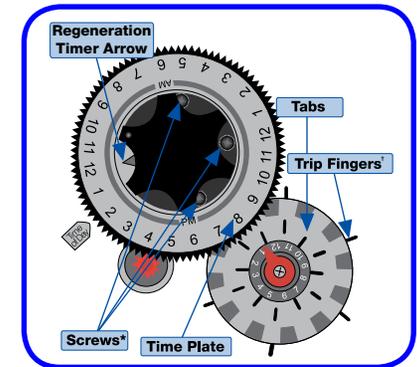


How To Manually Regenerate the MG-30:

1. Turn Manual Control Knob clockwise until service position indicator is adjacent to the time of day arrow.
2. Turn Manual Control Knob one more click clockwise.
3. An electrical motor will engage, signifying regeneration has begun.
4. The regeneration cycle takes approximately 25 minutes.

How To Adjust Time to Begin Regeneration Cycle:

1. Disconnect the power source.
2. Locate the three set screws behind the manual control knob by pushing in the red gear release button and rotating the 24-hour dial until each screw appears in the cutout portion of the manual control knob.
3. As each screw appears, slightly loosen to release the pressure on the time plate from the 24-hour gear.



Diag. B

4. Locate the regeneration timer arrow on the inside of the 24-hour gear in the cutout portion of the Manual Control Knob.
5. Turn the time plate so the desired regeneration time aligns next to the raised/embossed timer arrow.
6. Push the red gear release button in and rotate the 24-hour gear. Tighten each of the three screws.
7. Push the red gear release button in and locate the pointer one more time to ensure the desired regeneration time is correct.
8. Reset the time of day (see previous page).
9. Plug the control valve into an approved power source. The regeneration cycle settings are now set and activated.

**Screws (shown in both diagrams) are underneath control knob. In actual control valve, screws are visible only in control knob slot/cutout.*

Trip fingers set for every other day regeneration in this illustration.

Installation

After reviewing the precautions and checklists on the previous pages and making any desired modifications to the control valve settings, your MG-30 system is ready for installation.

Before you begin an installation, ensure that the water main is shut off at the location where you will be plumbing the MG-30.

Required Parts (included):

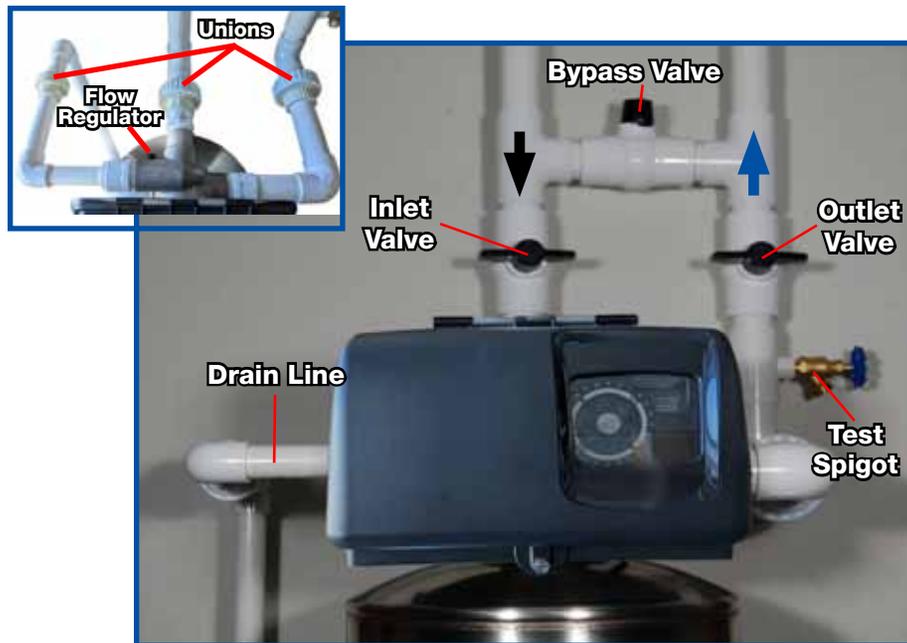
- 20 GPM Flow Regulator (pre-installed in system)
- Mesh Bag

Required Parts (not included):

- Inlet, Outlet, and Bypass valves
- Inlet, Outlet, and Drain line Unions
- Test Spigot (on Outlet line)
- Access to GFI 110v Electrical Outlet
- Additional parts in accordance with local plumbing codes

These parts are essential for proper testing of the MG-30 and allow for easy removal to facilitate moving or service.

A picture of a basic MG-30 installation is included below for reference. The unit must be installed to meet local plumbing codes and additional parts may be required.



System Testing

When installation is complete the MG-30 must be tested to ensure that all parts are functioning properly.

Warning: Damage to the home plumbing and fixtures can occur if the following steps are not completed.

- Step 1** Ensure the Inlet, Outlet, and Bypass Valves and Test Spigot are closed (see image opposite on page 7).
- Step 2** Temporarily attach a garden hose to the Test Spigot.
- Step 3** Slowly open up the water main and check for leaks.
- Step 4** If the piping is free of leaks, plug system cord into a GFI 110v electrical outlet. Initiate a regeneration cycle by turning the Manual Control Knob as explained on page 6.
- Step 5** Slowly open Inlet Valve to pressurize the MG-30 system. Water will begin flowing into Drain Line. Check for system leaks. Allow the MG-30 to run through a complete regeneration cycle (25 minutes).
- Step 6** Initiate a second regeneration cycle by turning the Manual Control Knob as explained on page 6. Allow the MG-30 to run through a complete regeneration cycle (25 minutes).
- Step 7** Insert garden hose into supplied Mesh Bag. Both the bag and hose should be in a location where water can flow freely. Open Test Spigot and allow water to flow for 5 minutes through Mesh Bag. When finished, close Test Spigot and inspect Mesh Bag for carbon or kdf debris (black, brown or golden material). There should be no more than 1/4 teaspoon of debris. If more granular media is found in the bag, keep the bag and its contents and call Support at 800-428-9419 immediately as there is a possibility that the unit was damaged in shipment. A technical service agent will diagnose the MG-30's condition over the phone.

If there is less than 1/4 teaspoon of media in the bag you are ready to proceed to step 8.

Do not open the Outlet Valve until you have completed step 7. Granular media can clog your plumbing or fixtures if the Outlet Valve is opened early.

- Step 8** Set the current time of day (see page 5).
- Step 9** Slowly open the Outlet Valve. The system is now online. Briefly open all cold water fixtures in the home to flush out tap water, air and any remaining debris. Perform a final leak check on the installation. Your Natural Home MG-30 is now in full service.

Power outage note:

If the MG-30 is without power for more than a day, manually initiate a regeneration by turning the Manual Control Knob clockwise as shown on page 6.

For problems related to water pressure:

A significant drop in water pressure or water from the faucet that tastes or appears unusual may be a sign that the MG-30's controller may be malfunctioning.

First determine whether or not the problem is due to the valve or the MG-30. Test your tap water supply by bypassing the MG-30 as follows:

- Close all faucets throughout home
- Close the Outlet and Inlet Valves by turning them so the handles are perpendicular to the pipe. Open the Bypass Valve by turning it so the handle is parallel to the pipe (see page 3).
- Compare and evaluate the water pressure.
- To put your system back in filtration mode, close the Bypass Valve and open the Inlet and Outlet Valves (see page 3).

If the water pressure is the same the problem is related to the water supply or plumbing fixtures. Contact your system supplier or installer.

If the water pressure improves, or your problems are related to taste or appearance, bypass the MG-30 as described above and promptly contact your distributor or Naturally Filtered directly:

Customer Service at: (800) 428-9419

E-mail: support@naturallyfiltered.com

WARNING: Many insurance providers have recently modified their homeowner's coverage policy as they relate to leaks associated with a water treatment system and do not provide coverage in the event of a leak. This unit is engineered so that it may be installed outdoors where a plumbing leak would not cause damage to your home. While this unit is engineered to the highest standards, a risk of an unanticipated failure which could cause excessive flooding is always possible. If this unit is installed indoors where flooding related damage may occur, you are hereby notified that you are assuming all risk associated with any such damage. It is strongly recommended that you install an automatic leak detector and shut off valve (available from www.watercop.com and other sources). Also, if the MG-30 is installed outdoors, it should be covered and must be protected from temperatures below 40° F as per specifications chart on page one. If you live in an area that experiences a hard freeze, assure installation of appropriate insulation, heating devices, etc. to maintain temperatures as specified in this manual when the MG-30 is installed. Naturally Filtered, LLC, **IS NOT LIABLE** for any and all damage to any property or dwelling or any expense caused by or related to a leak in this or any products supplied by Naturally Filtered, LLC.

NATURALLY FILTERED, LLC warrants The Natural Home MG-30 for three (3) years from the date of purchase against all defects in materials and workmanship when installed by a licensed and certified plumber and used in compliance with this Installation Manual.

To allow NATURALLY FILTERED, LLC to record your ownership of this product, start your warranty coverage cycle, and send you any applicable product reports or announcements, please complete and return the Warranty Information Card below. You should also make a copy for your records. The Warranty Card must be returned within 30 days of purchase in order to validate warranty.

NATURALLY FILTERED, LLC will replace or repair any part which, in our opinion, is defective, if the filter, furnishings, and fixtures have not been subjected to tampering, alteration, or improper use or transportation after delivery and have not been repaired by anyone except NATURALLY FILTERED, LLC or an authorized representative. NATURALLY FILTERED, LLC's obligation does not include any costs related to shipping and transportation. NATURALLY FILTERED, LLC is not responsible for damage in transit, the customer should present claims for such damage to the carrier.

NATURALLY FILTERED, LLC makes no warranties, expressed or implied, including, without limitation, any warranties of fitness or merchantability except as expressly set forth above. NATURALLY FILTERED, LLC shall not be liable for any anticipated or lost profits, incidental damages, consequential damages, costs, time charges, or other losses incurred in connection with the purchase, installation, repair, or operation of the filter, and we do not authorize anyone to assume for NATURALLY FILTERED, LLC any liability in connection with the filter or any part thereof. NATURALLY FILTERED, LLC reserves the right to modify the design of our products at any time without notice.

This warranty covers the filter for residential use only and, in addition, does **NOT** apply to:

1. Failures resulting from use of water not suited to drinking, as outlined in current AWWA guidelines*;
2. Failures due to normal wear, accident, misuse, abuse, negligence, or contamination in source water supplies;
3. Damage due to failure to follow operating instructions and maintenance requirements or any damage, residential or commercial, resulting from MG-30 system or plumbing leaks. The MG-30 is designed for outdoor installation;
4. Products that are altered, modified, or serviced in a manner not authorized by NATURALLY FILTERED, LLC in writing;
5. Failure of goods due to use other than what was originally intended; and
6. Damage due to failure to follow published laws, regulations, and codes.

For servicing under this warranty, contact Naturally Filtered's Customer Service Department at 1-800-428-9419 and explain the problem in detail. Repair or replacement of the filter by NATURALLY FILTERED, LLC requires registration card submission and may require the return of the filter to NATURALLY FILTERED, LLC at your cost.

* For information regarding current AWWA standards, please visit — <http://www.awwa.org>

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