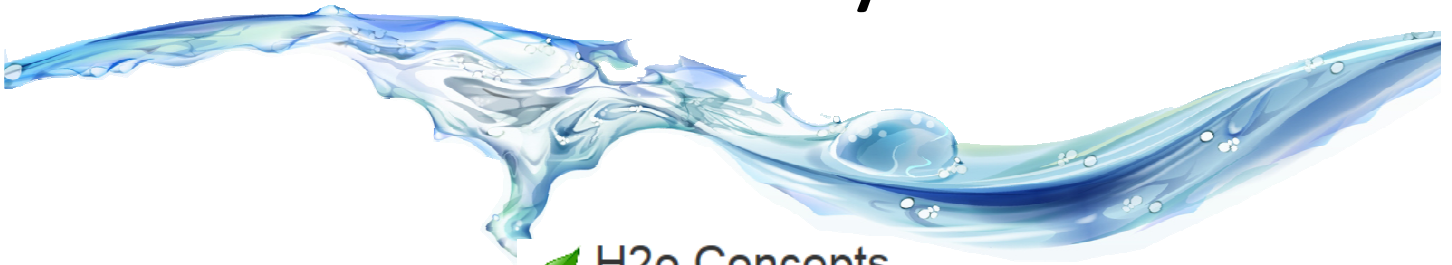




Whole House Water Treatment Systems



 H2o Concepts

*- The Most Certified **Green** System on the Market!*



MEMBER



8,157,971 B2



ROC 220416



4812-06 4812-86



LISTING 6800



MEMBER 1523952



Owners Manual



Congratulations & Thank you for choosing H2O Concepts to improve the quality of your water. You will immediately begin to notice the numerous benefits of having quality water throughout your home!

We at H2O Concepts International, Inc. are very excited about our revolutionary technologies . We are the most certified system in the world. Our Amp Force Technology is not only patent, it is certified. Our Filtration has received the Gold Seal approval. Together they make it possible to enjoy the benefits of conditioned water throughout your home and business. The H2O Concepts system is environmentally friendly. The H2O System does not use Salt or Potassium Chloride.

The AMP Force puts an end to many of the "Hard Water" problems while retaining the good minerals. The unique combination of filtration media used by H2O Concepts International, Inc. provides water that has drastically reduced chemical pollutants, chlorine and industrial chemicals, and heavy metals.



The 1044 WT5, 1044 COMBO WT5, 1054 WT5, 1054 COMBO WT5, 1252 WT5 1252 COMBO WT5 systems have been tested and certified by the Water Quality Association according to NSF/ANSI 42 for aesthetic chlorine and Taste & Odor reduction only.



8,157,971B2

The H2o Concepts International Inc. system is a U.S Patented system.



LISTING 6800

The H2o Concepts International Inc. system is certified by IAPMO R & T and can show the UPC shield.

Table of Contents

How Your Water System Works	4
System Details & Early Benefits to Expect.....	5
Frequently asked Questions	6
Troubleshooting	7
Helpful Hints	8
Maintenance & Vacation Mode	9
System Operations	10
Programming Clack Valve	11
Programming Fleck Valve	12
Bypass Valve Operation & Warranty Exclusion	13
U2 filter change	14
U3 filter change	15
Warranty	16
Factory Record Card (Mail IN)	17
Performance Data Sheet & Factory Record Card (Your Record)	19

Important Information

Model: _____

Valve Type: _____

Notes: _____

H2o Concepts International Inc.
22405 N. 19th Ave. Phoenix, AZ 85027 - 623-582-5222

How Your Water System Works



The AMP Force solves many problems associated with "Hard Water" electronically. The Whole House Water System deals with the "Hard Water" problems without any Media or (sodium or potassium chloride).

By using electronic impulses the AMP Force de-crystallizes the calcium bicarbonate and magnesium bicarbonate, this not only prevents mineral buildup inside pipes and fixtures, but actually reduces any existing scale.

Benefits: Solves many hard water problems by physically altering calcium and magnesium. The Amp Force breaks up the minerals so it is easier for our bodies to absorb them providing healthier water. Making the residue (minerals) that is left behind easy to wipe off. Environmentally friendly, no water waste.

Kinetic Degradation Fluxion is certified by NSF/ANSI 42 and 61 for drinking water system components.

Benefits: Controls microorganisms while reducing chlorine, heavy metals, and most organic chemicals and poisons.

Granular Activated Carbon is certified to ANSI/NSF Standard 61 and ANSI/NSF Standard 42. It's the industry standard for chemical reduction. The chemicals reduced by GAC are chlorine and Volatile Organic Compounds (VOC). These VOCs include pesticides, herbicides, trihalomethanes (THM's), MTBE, and most solvents.

Quartz Bed assures a high flow rate through the system allowing the carbon to last longer. Acts as a natural filter to help protect the system from debris.

Benefits: Better tasting, smelling, and feeling water. Healthier water to drink, bathe, and cook with. Environmentally friendly, uses less water than a softener and backwashes clean water.

NOTHING MORE TO BUY

DOES NOT USE SALT (SODIUM & POTASSIUM CHLORIDES)

System Details & Early Benefits to Expect

How soon after installing my H2O Concepts Whole House Water system will I notice results?

Soon after installing your H2O Concepts Whole House Water System you will notice a significant improvement in the taste of your water and it will continue to improve as your system backwashes a few times. The descaling effects will begin to be noticeable as the treated water gets into all of the plumbing in your home including replacing the water already in your water heater. Within 24-48 hours after installation of your H2O Concepts Whole House Water System you will notice the start of improvements in your water. The following outline will give you a guide as to what improvements to expect and when you should see them. The timeline in your home or business may be somewhat different due to water use patterns.

1st Week

- Shampoos, soaps, and detergents will "suds up" much quicker and richer than with untreated water.
- Skin and hair will feel cleaner and silkier. The performance of soaps, detergents, and cleaners will be increased by as much as 50% or more than your untreated water.
- Water from every faucet will be cleaner, healthier and taste great.



2nd Week

- Sinks and showers will be much easier to wipe clean than your untreated water
- Clothes will feel softer and whites will be whiter than when laundered in untreated water.

3rd Week – 4th Week

- Scale deposits will begin to dissolve from the inner walls of your pipes, showerheads, faucets, water heater, and other water appliances. The majority of the particles are your minerals. They are microscopic and could be noticeable but are harmless.
- Water should be clear because air bubbles are out of your system.



Long Term Effects

Healthier water from your own faucets and shower.

No more bottled water to buy.

No salt to buy or maintenance to worry about.

Inside of pipes and water appliances will be descaled and remain scale-free protecting your home from future damage.

Longer life to your water heater and other water using appliances.

Lower energy usage due to not having scale build up on inner liners of the water heater.

Your clothes will last longer by reducing the damaging effects of the chlorine that is now removed from your water.

Frequently Asked Questions

1. **Should we see spotting?** Yes they are easily removed when wiping them off every 2 to 3 days. See helpful hints on **page 8** to help minimize them.
2. **What is the white stuff in my water when my ice melts?** It is your minerals that have gathered back together, they are good for you. If you shake the water up they will break-up.
3. **Why does my 5600 Valve run then stop and run again?** The 5600 valve is designed to be used as a backwash and softener valve, the pause is where a softener valve would still be using water.
4. **Why does my green lights blink sometimes?** The powerhead is designed to go to a low voltage due to power surges so the powerhead will not start on fire. It is still working but not as strong. See **page 7** to reset it.
5. **How much water does the system use?** Average water use is 45 to 70 gallons of water when it backwashes. (it is like taking an extra shower or full bath tub).
6. **Is the water it backwashes bad water?** No it is safe for our environment, you can even water your plants with it.
7. **Can I hook-up a hose to the drain line?** Yes you can but you cannot restrict the flow of water. Please don't put a shut-off valve on it.
8. **Do I need special soap for my dishwasher?** No but rinsing agents are good to use. See helpful hints on **page 8**. Turn off your dry HEAT.
9. **Why doesn't it suds-up like my softener did?** There is no added salt to your water.
10. **Why is my ice cloudy looking?** Because when the calcium & magnesium freeze they gather back together.
11. **Why do I get black rings in my Toilet?** Because your H2O system takes out all the chlorine. When we use the toilet we add bacteria back into the toilet. See helpful hints on **page 8** to help get rid of them.
12. **How do I know if my system is still working?** Test water for chlorine. See test instructions on **page 9**.
13. **Why does my water look gray/cloudy?** Because your system still has air bubbles in it. If you allow the cup of water to sit they will disappear, this will go away within the first few weeks. If they don't see trouble shooting on **page 7**.

Trouble Shooting

Unit	Trouble	Solution
Combo WT5 to WT20 EXT	Function light flashing (Green Light)	Unplug it from the power source, wait at least 60 seconds and then plug it back in.
5600 Clack	Power and Function lights are completely off	Check your GFI & breaker box. Test electrical source.
All Systems	If water taste or smells.	<ol style="list-style-type: none"> 1. Test with OTO. See page 9 2. Check Time of Day 3. Make sure bypass is in service. See page 13 4. Change it to backwash more often. *call for instructions*
All Systems	Low water pressure	<ol style="list-style-type: none"> 1. Make sure system is not backwashing. 2. Put system in bypass to verify it is your water system. See page 13
5600 Clack	Backwash at the wrong time 5600 is 12:00AM Clack 2:00AM	Reset "Time of Day" see page 11 or 12
All Systems	Blueish Green Water	<ol style="list-style-type: none"> 1. House is not grounded correctly 2. Galvanized plumbing
All Systems	Rings in your toilet	Please see Helpful Hints on page 8
All Systems	Leaks	Put system in bypass see page 13 and call
All Systems	Continuously Running	Put system in bypass see page 13 and call
All Systems	Water usage is going way up	Make sure you don't have any water running and check your water meter, if the meter is still moving put your H2O system in bypass (see on page 13). Check your water meter again if the meter is no longer running leave system in bypass and call us. If your water meter is still moving take your H2O system out of bypass. It is NOT your H2O system. The check must be done without any other water running including your drip lines and sprinklers . **The water usage might be a running toilet or your drip lines**
All Systems	Gray/Cloudy Water	It is air bubbles, they should go away in a few weeks or you need to clean out your aerators .

Helpful Hints

Cleaning Tips:

Clean Shower will work great in your shower. You can spray the whole shower including the shower head. (You must start with a spot free shower to get good results). Some people use Rain-X for their showers.



Lemi –Shine rinsing agent or Oxy for hard water works great in the dishwasher. Use Lemi-Shine 1 tsp. with any type of dish soap you want. **Turn off heat dry cycle** and don't use Jet- Dry. I put white vinegar in a spray bottle and spray the inside of my dishwasher. Leave it for about an hour then run it through a rinse cycle.* It just helps keep build-up from happening.*

White Vinegar Works great for cleaning counter tops.

If your dishes ever become cloudy you can use warm soapy water with a cup of white vinegar. It will take away the cloudiness and bring back the shine. If you start to get build-up around your faucets and showerheads it is probably from the crevices that are not wiped out every 2-3 days. White vinegar can be sprayed on them or you can take a little plastic bag of it and tie it around the faucet so the vinegar can soak for a little while, then wipe away the build-up.

Pam (spray for non stick) you can put it on the water tray from your frig. I spray mine once a month and wipe the extra off with a paper towel. Water residue will not stick.

Toilet Cleaning Chlorine tablets can be used in toilet tanks if you start to see bacteria. I recommend *Scrubbing Bubbles ,it is called Toilet Cleaning Gel* No mess or chlorine tablets



White vinegar and fresh squeezed lemon Put it in the soap dispenser of my washer and run it through a rinse cycle. I have always done this, it will leave your washer smelling great. *Just an extra safe organic cleaning tip.* Will not change the efficiency*

Please note there are some surfaces that have special cleaning instructions before using the items above check with the manufacturer of your special surface items.

Remember water that is left behind will dry and leave a powder residue behind. The items above will help that from happening. Any residue left behind should wipe away with a damp cloth during your normal cleaning every 2-3 days.

Maintenance

Water heaters:



Water heaters should be drained approximately 90 days after installation of your new Water Treatment System; and yearly thereafter. Refer to your water heater manufacturer's owner manual for instructions. Calcium deposits found in areas with hard water are a severe problem for water heaters. Every time the water is heated, the natural minerals in the water form calcium residue inside your water heater. Although most newer heaters are referred to as "self-cleaning" and promote turbulence inside the tank to reduce sediment collection, as the amount of residue builds the water heater efficiency drops. The process begins the very first day that your water heater is installed; and is particularly noticeable on electric heating elements and the bottom of gas heaters. This residue robs you of hot water and increases the energy needed to heat the water through it. The conversion of calcium bicarbonate to calcium carbonate by the electronic portion of your system WILL NOT prevent this natural occurrence inside the tank; but will help prevent scale adherence to the tank lining. Regular draining as recommended by the manufacturer is your best assurance of maximum life and energy efficiency from your heater.

Testing your Water:



For best results you should use OTO (orthotolidine) it is a liquid chlorine tester. You should run cold water for a minute, fill a glass half way (about 4oz.) of water and add 5 drops of the OTO. If water turns yellow then you need to call for service. You can do this test any time you would like to, we suggest doing it after your first 5 Years and at least once a year.

Vacation Mode



When leaving on vacation:

If you turn off the water to your home or business just un-plug the 5600 or Clack Valve. You can leave the Amp Force plugged in, either way it will not hurt anything. The System should not sit longer then 6 to 9 months without water running through it.

If you leave on the water to your home or business you can leave the system the way it is or you can change the backwash days to be further apart. *Call for instructions*

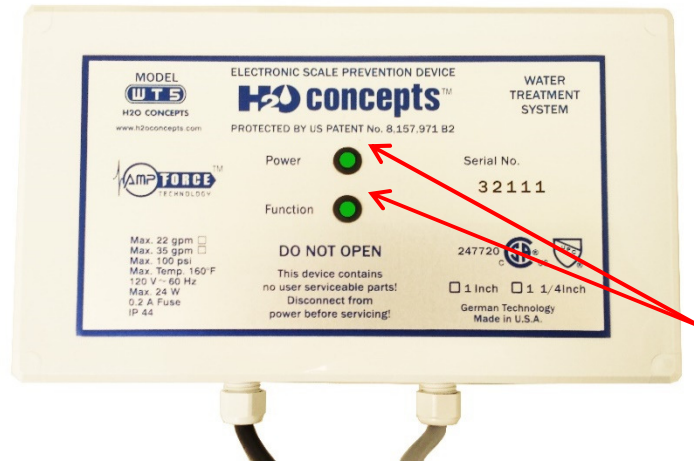


When returning home :

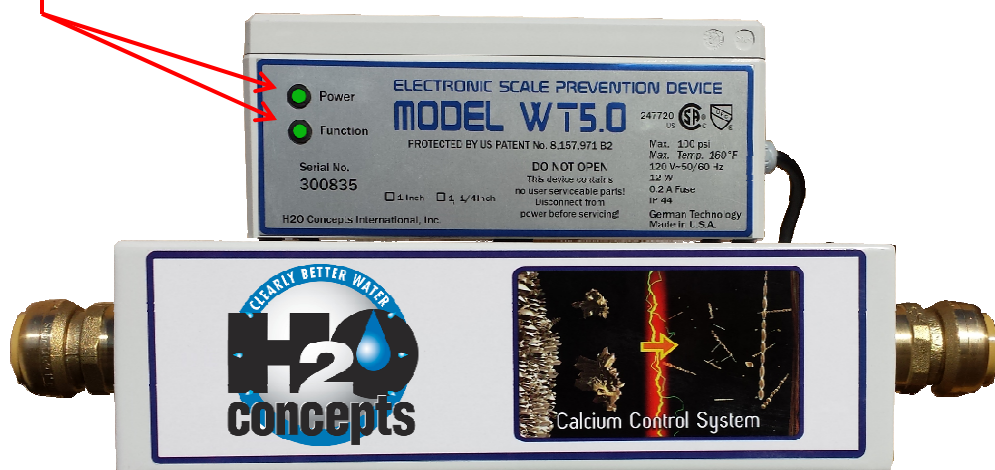
If you unplugged the system: Plug it back in – Reset Time. See on page 12 (5600) or page 11 for (Clack) and the system should be put through a manual backwash. (5600) turn center dial clock wise only to backwash it will take 1.5 hours to complete. (Clack) push up and down arrows at the same time until you hear it start it will take 20 mins. to complete. See on page 11 or 12

If you left the system plugged in: just reset days of back wash. *Call for instructions*

H2O Concepts System Operations



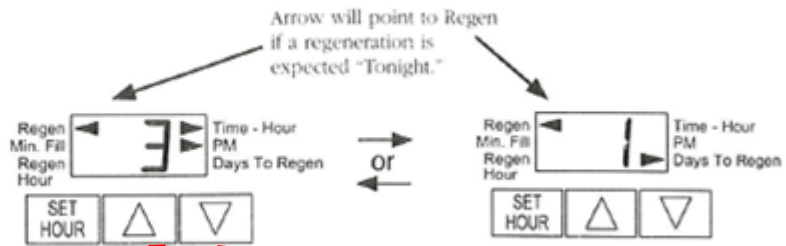
Both lights should be on. If the function light is blinking unplug the powerhead for 60 seconds and plug it back in. If both lights are out check to make sure the powerhead is plugged into your outlet. If the lights are still out verify you are getting electricity to the outlet.



Clack Programming Procedures

GENERAL OPERATION

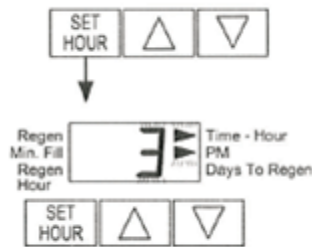
When the system is operating one of two displays will be shown: time of day or days until the next regeneration. Pressing Δ or ∇ buttons will toggle between the two choices.



Push & hold both buttons at the same time until you hear it move. It is now going to backwash manually for 20 minutes.

TO SET TIME OF DAY

In the event of a power outage, time of day needs to be reset. All other information will be stored in memory no matter how long the power outage. Please complete the steps as shown to the right. To access this mode, press SET HOUR.

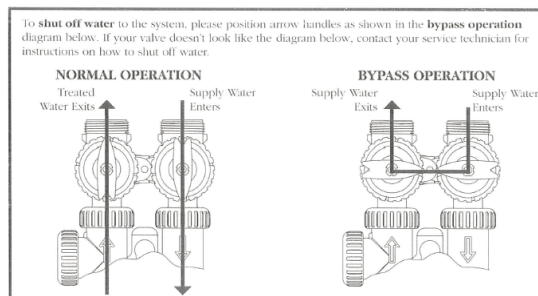


1. Accessed by pressing SET HOUR.
2. Adjust to the nearest hour using Δ or ∇ . An arrow points to PM during p.m. hours.
3. Press SET HOUR to complete and return to display mode.

The Clack Valve backwashes for 20 minutes @2:00 AM



In-Service

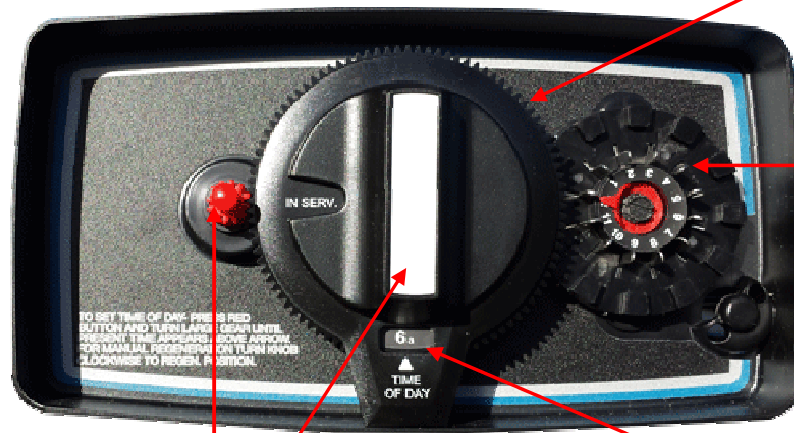


By-Pass

FLECK 5600 Valve

Setting Time Clock

Setting Time Clock



Gear Teeth

Pins to set days to backwash.

Turn Dial clock wise ONLY to backwash

Time

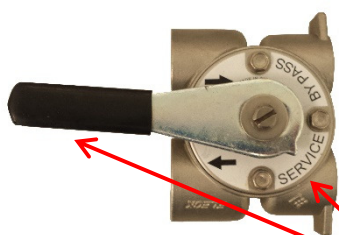
Hold in the red button on your left while turning the outer gear teeth until the desired time is displayed in the window.

Be aware the time clock has both am and pm indicators.

The Time of Day should be set to current time ei. if it is 3:00 PM when you are setting the time (The Time of Day) should be set at 3:00 PM.

The 5600 Valve will backwash for 1.5 hours with pauses in between

Note: With the time of day set correctly the unit will backwash at around midnight. Simply offset the time to have the unit backwash at another time. (ie.: Set the time of day 2 hours behind the current time to have the system backwash 2 am rather than midnight).



5600 (Bypass Valve) shown in Bypass

5600 (Bypass Valve) shown Service.

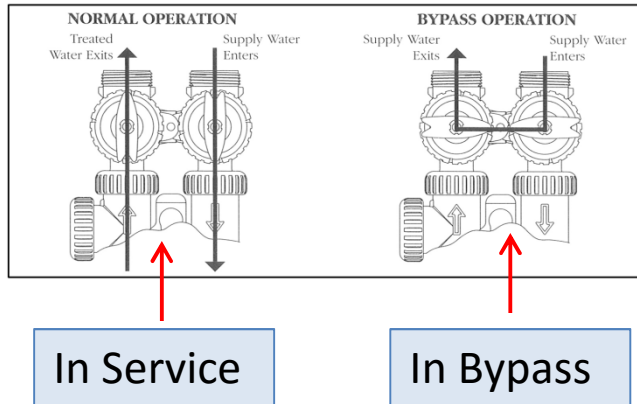


Bypass Valve Operation

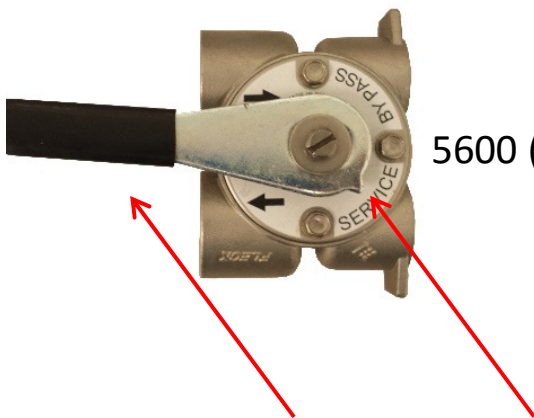
WARRANTY EXCLUSION SWIMMING POOLS

A typical backyard swimming pool can contain 20,000 to 50,000 gallons of water! Running that volume of water through your new water conditioner without allowing it to properly backwash will completely spend the carbon media. When filling a pool, the conditioner must be put into the **bypass** position (see illustrations below). Failure to do so **will void the media warranty**. Maintaining a pool at full level with the conditioner in the **service** position is not a problem (daily consumption for typical backyard pool is no more water than used in a morning shower).

Clack WS



To bypass the valve, position arrow handles as shown in the bypass diagram above.



5600 (Bypass Valve) shown Service.

Fleck 5600

5600 (Bypass Valve) shown in Bypass

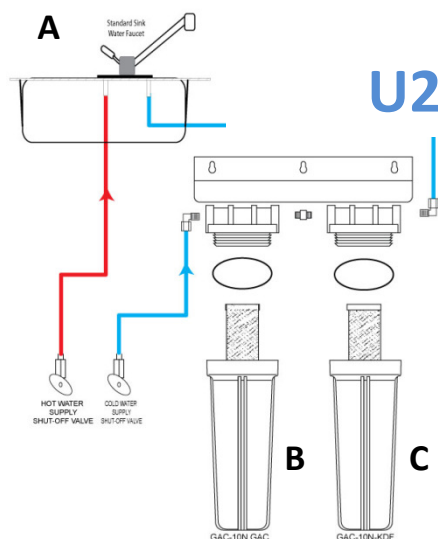




Under Counter Drinking Water System Filter Change Instructions

Features and Benefits

- Great tasting water at your kitchen / bath faucet
- Reduces or Eliminates:
Chlorine
Heavy Metals
Contaminants



Filter Change Instructions

1. Turn off cold water supply under the sink.
2. Open cold water faucet at the sink [A].
3. Use the filter wrench that was provided at install. Slide it up the blue housing so it is snug and turn to the left until loose [B] Use your hand to take it off the rest of the way [C] Do the same to the other housing.
4. **Unwrap filters** and place inside the housing [B] KDF 55/GAC filter goes in the inlet side and [C] Gac-10N on the outlet side.
5. Secure housing back on lids with same wrench. **Do not over tighten.**
6. **Very slowly turn on** cold water supply (under sink)[B] As water fills filter cartridges air will be displaced along with small carbon particles and carbon dust. Run Water slowly until it runs clear and air has been displaced.



MEMBER



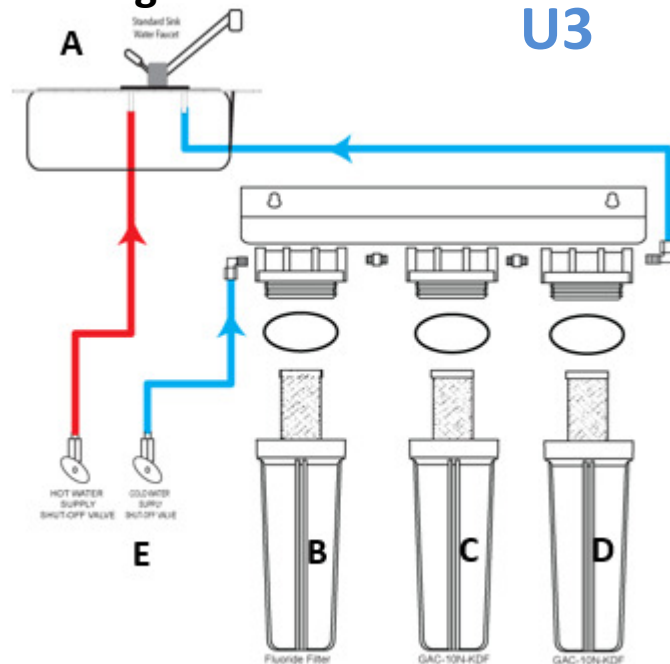
ROC 220416





Under Counter Drinking Water System Filter Change Instructions

U3



1. Turn off cold water supply under the sink. [E]
2. Open cold water faucet at the sink [A].
3. Use the filter wrench that was provided at install. Slide it up the blue housing so it is snug and turn to the left until loose [B] Use your hand to take it off the rest of the way [C] [D] Do the same to the other housing.
4. Unwrap filters and place inside the housing
5. **U3 [B] Fluoride Filter [C] GAC-10N-KDF [D] GAC-10N**
Secure housing back on lids with same wrench. **Do not over tighten.**
6. **Very slowly turn on** cold water supply (under sink) [E] As water fills filter cartridges air will be displaced along with small carbon particles and carbon dust. Run Water slowly until it runs clear and air has been displaced.



MEMBER



ROC 220416



**H2O Concepts International, Inc.
Factory Limited Warranty
Non-Transferable**

Issued to: The Original Purchaser of the H2O Concepts System .

The manufacturing of the **H2O Concepts AMP Force™ Water Conditioner** incorporates the highest standards of quality assurance, engineering expertise, and the highest quality materials. The H2O Concepts AMP Force™ Descaler is (IAPMO R&T) and CSA certified German Technology that is manufactured in the USA. The H2O Concepts Filtration is certified and has been given the Water Quality Association's Gold Seal of Approval. The H2O Concepts System undergoes an extensive final inspection before leaving the factory.

H2O Concepts International, Inc. guarantees the **H2O Concepts AMP Force™ Descaler, Backwash Valve, and Tank** against manufacturers' defect(s) for a period of 5 years on the AMP Force and Valve and 10 years for the Tank from the date of purchase provided that failure does not result from abuse, fire, freezing, evidence of tampering or other acts beyond our control. Factory warranty does not cover the Medias. The factory warranty covers equipment that was purchased from H2O Concepts International Inc.

Replacement of Amp Force, valve, and tanks that are covered under warranty will be furnished F.O.B factory, in exchange for prepaid return of the defective parts. **H2O Concepts International, Inc.** shall not be liable for freight, and service charges, if any. **FACTORY RECORD CARD** must be mailed to H2O Concepts with the proper documents with-in the 30 day period . See **FACTORY RECORD CARD** for the details.

This Warranty will only be honored under the following conditions:

1. H2O Concepts must have received the factory record card completed and a copy of your purchase order with in the compliance date.
2. The electronic control module shows no signs of tampering. Do not open or unscrew the cover plate from the electronic control unit, it will void the warranty.
3. Equipment is limited to; Water supplied to H2O Concepts is not to exceed 85 PSI, and water temperatures not to exceed 110 degrees F. or under 32 degrees F.
4. System's that have wet medias in them must backwash within a 9 month period or warranty will be voided
5. Defective parts are subject to inspection by either **H2O Concepts International, Inc.** or an authorized representative.
6. We reserve the right to discontinue or change any of our products at any time and without notice or liability. If for any reason, products of the type originally installed are no longer available from us at the time you make a warranty claim, we will substitute another product manufactured and determined by H2O Concepts to be of comparable quality and price.
7. WE EXCLUDE AND ARE NOT RESPONSIBLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING OUT OF ANY BREACH OF THIS EXPRESSED WARRANTY AS IT RELATES TO OUR PRODUCTS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF SUCH DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
8. WE ARE NOT LIABLE FOR ANY CONSEQUENTIAL DAMAGES OR INCIDENTAL DAMAGES caused by any defect in any of our products covered under any expressed, written, oral or implied warranty. Your EXCLUSIVE REMEDY for any such defect is the repair or replacement of our product.
9. HOW YOU SUBMIT A WARRANTY CLAIM: You must submit your claim in writing to us within the warranty period and 5 business days period of time after the defect is discovered. To initiate a claim, you should contact our warranty services department at 22405 N. 19th Ave. Phoenix, AZ 85027 . Please provide the following information: model number, serial number, and date of purchase. For questions call 1-888-275-4261

Revised 12/30/2015



FACTORY RECORD CARD

Mail This Section to Factory **WARRANTY**

IMPORTANT

Please fill out this factory record card and mail or fax it within thirty (30) days of purchase with a copy of your purchase order to address at the bottom of page.

This warranty is void unless the above is complied with.

Date of Install: _____

Model Number: _____

Serial Number Tank: _____

Serial Number Electronic: _____

Name: _____ Signature: _____

Street Address: _____

City: _____ State: _____ Zip Code: _____

Dealers Name: _____ Signature: _____

Street Address: _____

City: _____ State: _____ Zip Code: _____

H₂O CONCEPTS INTERNATIONAL INC.

22405 N. 19th Ave, Phoenix, Arizona 85027

Fax: 623.582.4465

Mail this factory card within 30
days of purchase

With a copy of your sales
agreement.

- Factory Record Card
- Sales Agreement.

Performance Data Sheet

MODEL	RATED SERVICE FLOW	MINIMUM CAPACITY	PRESSURE DROP AT RATED SERVICE FLOW
1044 WT5, 1044 Combo WT5	9.9 gpm	100,000 gal	15 p.s.i.
1054 WT5, 1054 Combo WT5	10.9 gpm	150,000 gal	15 p.s.i.
1252 WT5, 1252 Combo WT5	11.4 gpm	200,000 gal	15 p.s.i.

GENERAL INSTALLATION/OPERATION/MAINTENANCE REQUIREMENTS

- There are no user serviceable parts or components in these systems.
- A copy of the manufacturer's warranty is included with the product when shipped.
- Installation instructions and operation manual are included with the product when shipped.

SPECIAL NOTICES

- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
- While testing was performed under standard laboratory conditions, actual performance may vary.
- This system conforms to NSF/ANSI 42 for the specific performance claims as verified and substantiated by test data.
- The contaminants or other substances removed or reduced by this water treatment system are not necessarily in your water.
- For information regarding manufacturer's warranty, general installation conditions and needs, general operation and maintenance requirements please refer to the index of your manual.

Originally Tested and Certified as H2o Concepts International Inc.

1044 WT5, 1044 Combo WT5/1054 WT5, 1054 Combo WT5 /1252 WT5, 1252 Combo WT5

by the WQA

FACTORY RECORD CARD

Keep This Section to Your Records

WARRANTY

IMPORTANT

Please fill out this factory record card and mail or fax it within thirty (30) days of purchase with a copy of your purchase order to address at the bottom of page.
This warranty is void unless the above is complied with.

Date of Install: _____

Model Number: _____

Serial Number Tank: _____

Serial Number Electronic: _____

Name: _____ Signature: _____

Street Address: _____

City: _____ State: _____ Zip Code: _____

Dealers Name: _____ Signature: _____

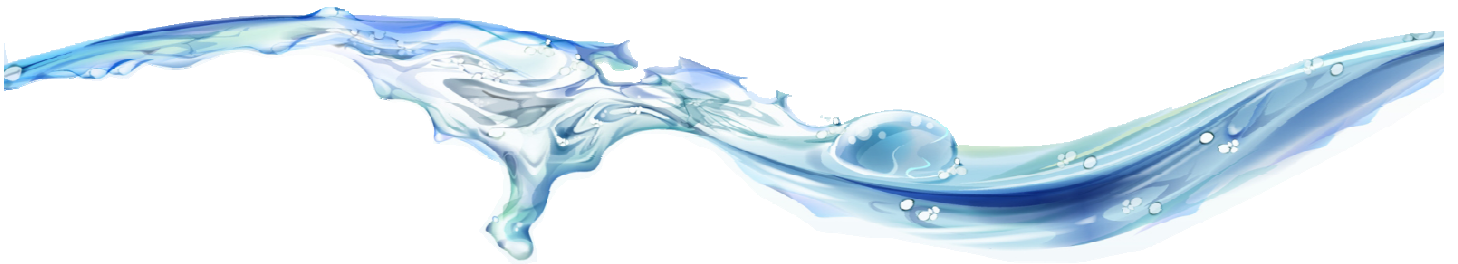
Street Address: _____

City: _____ State: _____ Zip Code: _____

H₂O CONCEPTS INTERNATIONAL INC.

22405 N. 19th Ave, Phoenix, Arizona 85027

Fax: 623.582.4465



H2o Concepts International Inc.
22405 N. 19th Ave. Phoenix, AZ 85027
Phone: 623-582-5222 Fax 623-582-4450
www.h2oconcepts.com

Ver.9.2016