

CAFE948 Air Injection Iron Filter

Installation & Operation Manual

(Please save for future reference)



Thank you for purchasing one of our ENVIROGARD / Rainfresh products. We are committed to ensuring that you are **totally satisfied**.

If you have any problems, don't go back to the store— **please contact us !**

Most issues can be resolved over the phone.

Help Line : 1-800-667-8072 (Monday to Friday 8:30 AM to 5:00 PM EST)

www.rainfresh.ca

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SYSTEM SPECIFICATIONS:

Model No.	Rated Service Flow US GPM (LPM)	Max Flow Rate US GPM (LPM)	Backwash Flow Rate US GPM (LPM)	Inlet / Outlet	Drain Connection	Electrical Requirement	Pressure Drop	Operating Pressure	Shipping Weight (lbs)
CAFE 948	2.2 (8.3)	5 (19)	5 (19)	3/4" MNPT	1/2" Hose	110V AC	< 15 psig	30 – 100 psig	82

- **Water Temp** – 4 - 38°C (39 - 100°F)
- **Water pH Range** – 6.8 to 8.5*
- **Max Raw Water Turbidity** – 5 NTU
- **Max Raw Water Iron** – 15 PPM
- **Alkalinity** > [2 x (Sulphates + Chlorides)]
- **Chlorine** - Nil
- **Oil in Water** – Nil
- **Polyphosphates** – Nil
- **Hydrogen Sulphide** - Nil

* Higher the pH, better the performance. If pH is lower than 6.8, call Rainfresh for information on ordering a pH Neutralizing Filter

HOW THE CAFE SYSTEM WORKS



Your Rainfresh CAFE iron-removal filter utilizes oxidation and filtration technology to remove dissolved iron from water. Dissolved iron, also called ferrous iron is oxidized to a filterable rust form (ferric iron) which is then filtered out of the water. When the submersible pump is running, water is forced through an air-injector under high pressure. Inside the air-injector are two openings, one is a small venturi opening and the other is a larger 3/8" opening. The high-pressure water being forced through the small venturi opening creates a low pressure area inside the injector valve, which in turn draws extremely small micro-bubbles of air into the flow of water as it passes through the venturi opening.

The oxygen is utilized to oxidize ferrous (dissolved or clear water) iron to a filterable precipitate (ferric hydroxide). A special oxidant medium acts as an insoluble catalyst and enhances the oxidation process. After a pre-determined interval, an automatic *backwash* process is initiated wherein the "trapped" iron is stripped away and dumped to drain and the system is ready for use again. The backwash process is completely automatic and is factory set for 2 AM (can be changed).

Note: No salt or chemicals are required to clean the system. As such it is typically safe to dump the water into the septic system. However, because in every backwash cycle, about 45 gallons of water are used to clean the system, it is recommended that you consult a professional to ascertain the safety of the water going into your septic system.

Note: CAFE systems do not kill or remove bacteria or any other pathogenic microorganisms. To continuously disinfect all the water in your house, we recommend that you install a Rainfresh UV system. Call Rainfresh for details.

SAFETY PRECAUTIONS



- Follow all applicable province/state and local regulations.
- Handle the filter carefully. Do not lie on side, turn upside down, drop or drag.

CAUTIONS BEFORE INSTALLATION



- Follow all plumbing codes for installation.
- Your pump must be a **submersible pump** for the valve to operate properly. Jet pumps often do not create enough suction for the air injector.
- To operate properly, the well pump flow rate must exceed the backwash flow rate (4.5 US GPM (17 LPM)). If your well pump does not deliver this flow rate, do not install the unit as it will not work properly. You may need to either change the well pump or call Rainfresh for a custom size unit that will operate within your pump specifications.
- The automatic control valve works on 110V AC. We recommend a GFI (ground fault interrupter) 120 volt outlet within 5 feet of the filter. Extension cords are not recommended.

- CAFE systems do not kill or remove bacteria or any other pathogenic microorganisms. To continuously disinfect all the water in your house, we recommend that you install a Rainfresh UV system. Call Rainfresh for details.
- For use on cold water only.
- **Only use thread seal tape** (Teflon® tape) for fitting connections into unit. **DO NOT USE pipe dope or chemical sealants.**
- If water pipes are used to ground electrical system, install jumper wire (#4 gauge solid copper wire) across the unit to maintain proper grounding of your electrical system
- **Protect your unit from freezing** - drain the unit if freezing temperatures exist.
- **NOTE: IF SOLDER TYPE FITTINGS ARE USED DO NOT USE torch near inlet/outlet connections.** All solder joints should be made before joining pipe to filter head.
- **DO NOT over-tighten** metal fittings on to unit connections.
- The unit should only be moved by 2 or more people due to heavy weight. Failure to do so can result in back or other injury.

How to check well pump flow rate

Make sure that the pressure tank is full and no one uses any water until you have finished the test.

- 1) Connect a hose to an appropriate outlet at the bottom of the pressure tank and put the other end into an empty pail of known volume (e.g. a 10 gal pail)
- 2) Open the valve to which the hose is connected and collect water into the container. Shut off the valve as soon as you hear the well pump come on. Measure the volume of water collected. This is the drawdown from the tank.
- 3) Note the time in seconds that it takes for the pump to complete a cycle from start to shut-off.

Well pump flow rate = (Volume of water collected (drawdown) ÷ Time for pump cycle) x 60

EXAMPLE : If you collect 5 gal of water and the pump takes 40 seconds to complete a cycle, the flow rate is:
 $(5/40) \times 60 = 7.5 \text{ GPM.}$

INSTALLATION

Electrical Requirements:

- The automatic control valve requires a constant power supply - 120V/60 Hz AC. We recommend a GFI (ground fault interrupter) outlet within 5 feet of the CBF1 Filter. Extension cords are not recommended.
- If water pipes are used to ground electrical system, you will need to install a jumper wire across the filter unit.

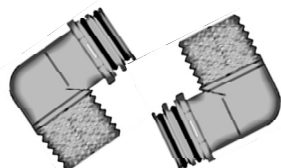
Unpacking the unit

The unit includes:

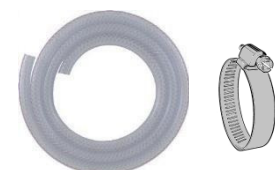
- 1) Main filter tank with control valve and bypass valve



- 2) Inlet/outlet elbow fittings (2) – 3/4" Male NPT



- 3) Allen key (for ease of opening & closing bypass valve)



- 4) Drain hose (15 ft) with hose clamp



- 5) AC power adapter



- 6) Air Injector

Unpack the unit and place it at the location where you intend to install the unit.

- Stand back and look at the main media tank and make sure it is standing straight up and not tilted to one side. Sometimes during shipment, the bottom of the tank will get knocked out of alignment and you will need to straighten it out before starting installation. If your tank is a bit tilted, simply pick the tank up 2 – 3 inches off the floor and drop it gently but firmly down, favoring the side that needs to be adjusted to make the filter stand straight up again.
- Make sure your chosen location is fairly level, dry, and protected from possible freezing conditions. The plastic base of the filter is slightly adjustable to non-even floors. If shimming is needed, you can make shims from small, flattened pieces of copper pipe, or some other non-corrosive material but do not use wood. The filter can sit directly on the floor, it will not corrode. **DO NOT** set the tanks onto make shift platforms as this may cause the filter to topple.
- The following materials can be used for installing your new system, but it is recommended that you check your local plumbing codes. Copper and PVC, CPVC, and PEX are the most popular.
- The system has 3 connections - an inlet, an outlet, and a drain line connection. If you are looking at the back of the unit (fig 1), the inlet is on the left side. **Warning: Make sure that you have correctly identified the inlet of the system. REVERSING THE CONNECTIONS WILL RESULT IN FILTER MEDIA BEING THROWN INTO YOUR HOME'S PLUMBING SYSTEM CAUSING DAMAGE TO IT AS WELL AS THE Filter system.**

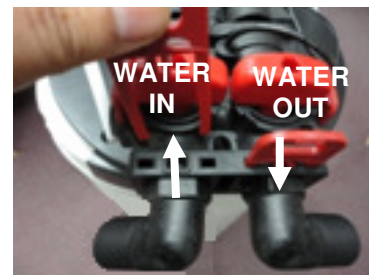


Fig 1

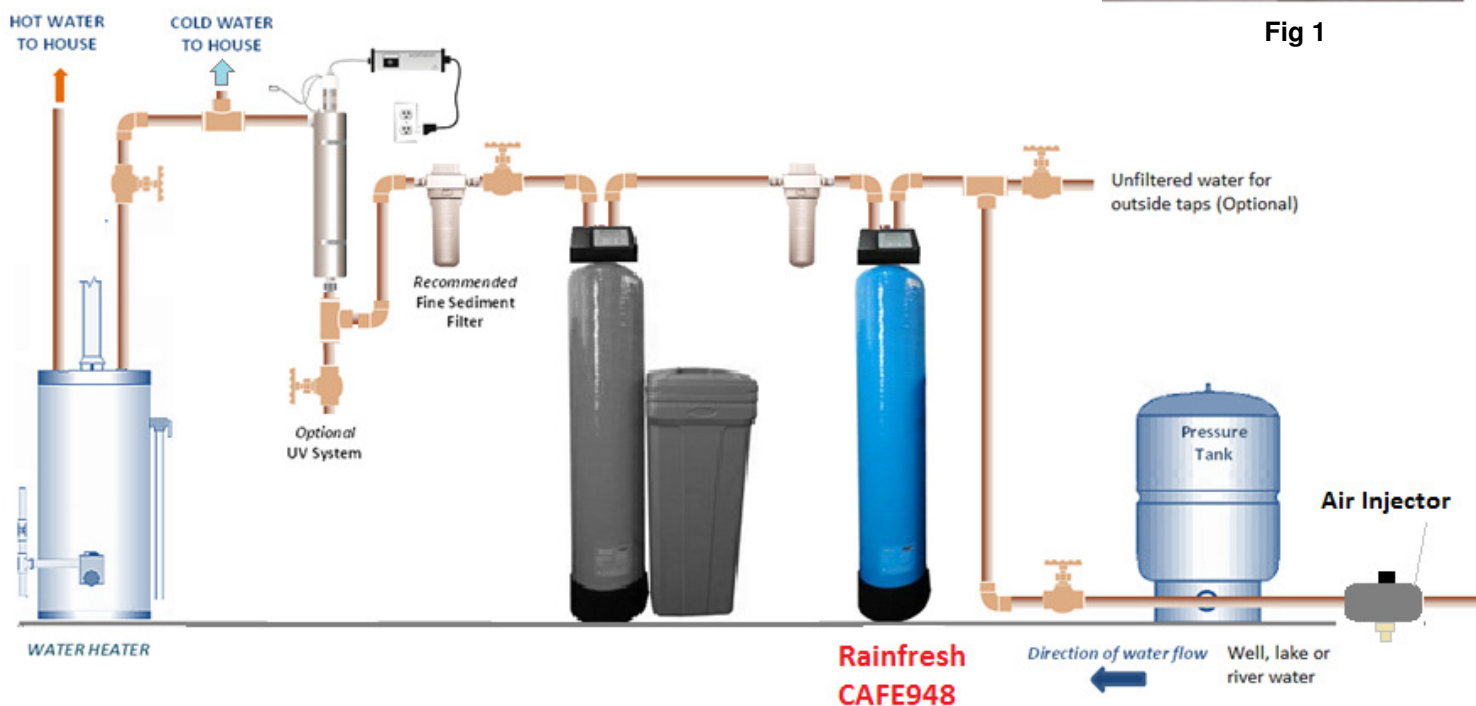
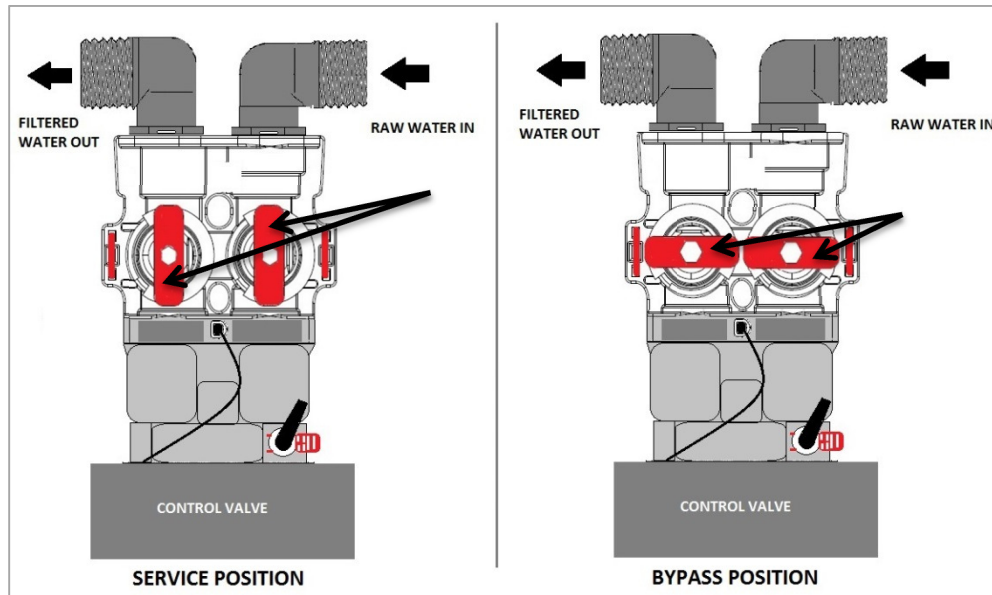


Figure 2. Piping Schematic

You may choose not to treat the water spigots that go outside used for irrigation or sprinkler systems. You will have to plan the job so that you cut in to feed the CAFE filter **AFTER** these spigots. Installing the CAFE filter after the pressure tank (with air injector between pump & pressure tank) is the preferred location. If you intend to install a water softener to soften the water or a UV system to disinfect the water, these should be installed **after** the CAFE filter.

BEFORE YOU BEGIN INSTALLATION, CONFIRM THE INLET AND OUTLET OF THE UNIT AND IDENTIFY THE SERVICE AND BYPASS POSITIONS OF THE VALVE. The bypass valve is used to isolate the unit from the plumbing system in order to perform maintenance or repairs on the unit. During normal use the bypass valve should be in “SERVICE” position and to isolate it, the valve should be turned to “BYPASS” position.



Plumbing in your CAFE Iron Filter

- Turn the power off to the well pump then shut off the main water shut off valve which should be located after the pressure tank. Open a few faucets and empty the pressure tank before cutting into the line. If your hot water tank is electric, turn off the power to it to avoid damage to the element in the tank.
- The bypass valve generally comes pre-assembled. If not, attach the bypass valve to the valve by pushing it in and secure it with the metal clips and screws (Fig 3)
- Insert Allen key into the bypass handles and make sure that the valve is in BYPASS position (fig 5A)
- Fully push the inlet/outlet elbow fittings into the open end of the bypass valve and lock them in by inserting the red locking clips into the slots (Fig 4)
- For ease of installation, orient the inlet/outlet fittings in the direction of the inlet & outlet pipes by simply rotating them (Fig 5B)
- Plumb in the inlet and outlet of the CBF1 filter.
- Plumb in a ½" flexible plastic drain line running from the filter (elbow hose fitting) (Fig 6).



Fig 3

control



Fig 4

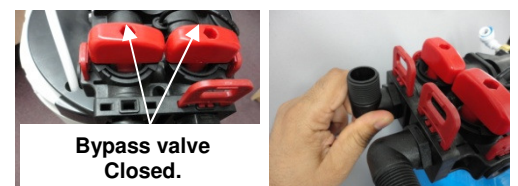


Fig 5A

Fig 5B

- You can run the drain hose from the unit to the ceiling joists (max 8 ft ceiling) and run it to the nearest laundry tub or drain pipe. This can be ran up overhead or down along the floor. If running drain line more than 30 feet overhead, increasing the line size to 3/4" will be required. Please follow your local health dept. Codes for where to run filter discharge water. NEVER MAKE A DIRECT CONNECTION INTO A WASTE WATER DRAIN. A PHYSICAL AIR GAP OF AT LEAST 3" SHOULD BE USED TO AVOID BACTERIA AND WASTEWATER TRAVELLING BACK THROUGH THE DRAIN LINE INTO THE CBF1 FILTER (Fig 7).
- There will be a fair amount of pressure on this flexible plastic drain line when the filter is in the backwash mode, so secure it to the drain fitting by a hose clamp. Also secure the drain tube to the wall or ceiling.

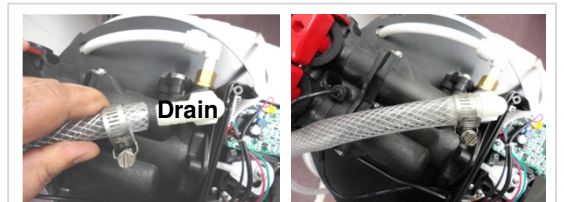
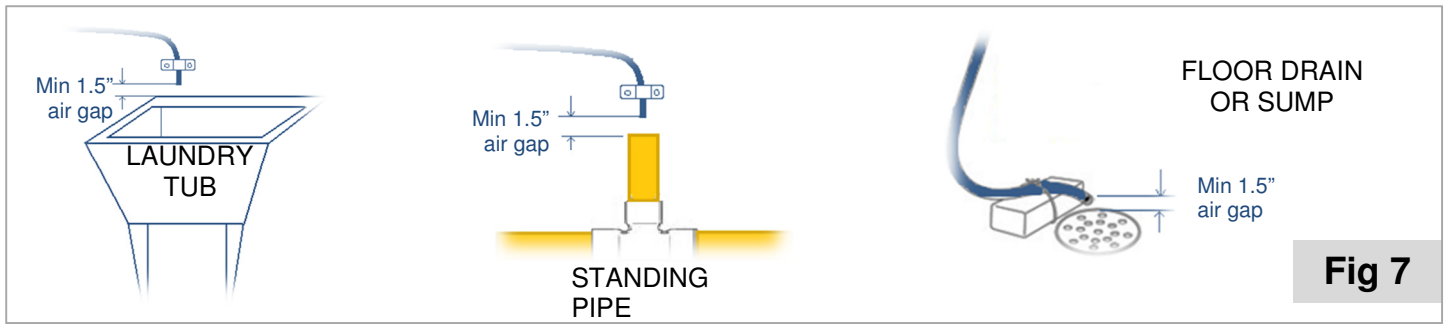
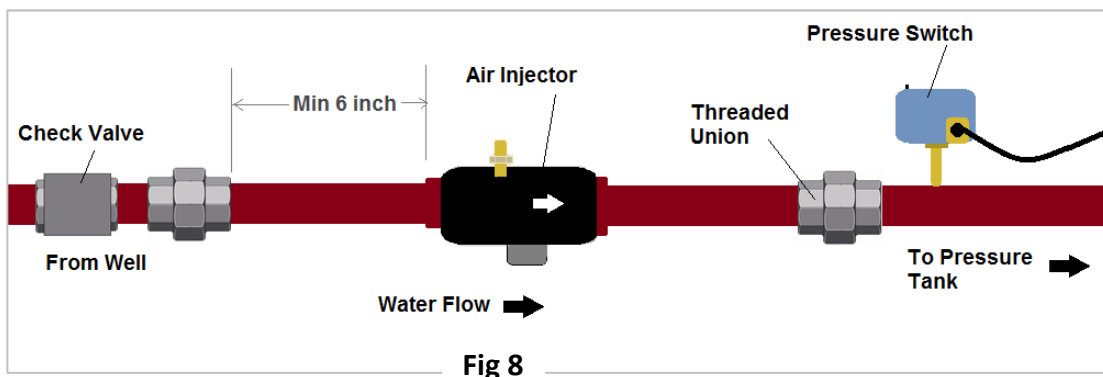


Fig 6

You can also use code-approved air-gap attachments available at most plumbing stores.

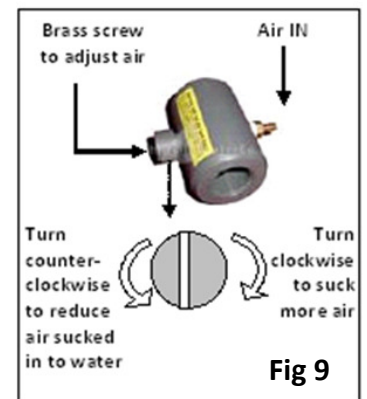


- Plumb in the air-injector (1" Female NPT connections) (Fig 6) at this spot. **DO NOT ALTER THE SETTINGS OF THE AIR INJECTOR.** It can be installed in a vertical or horizontal position.
 - Allow a minimum of 6 inches straight run of pipe on each side of the air-injector (fig 8), excluding fittings.
 - Make sure that the arrow on the air-injector points to the pressure tank and pressure switch. **Note:** Locating pressure switch before the air-injector can cause rapid ON/OFF cycling of the pump.
 - The check valve should also be located before the air-injector (may require re-location of the check valve to accommodate air-injector at the correct location).
 - It is recommended that a strainer be installed before the air-injector to prevent dirt/grit from clogging the air-injector.
 - It is also recommended to install threaded unions on both ends of the air-injector to allow easy removal for inspection and service.



Before proceeding further, make sure that the bypass valve is in the bypass position (fig 7)

- Close all open taps and turn on the switch for the well pump.
- As soon as well pump comes ON, place a wet finger on the suction port of the air-injector. You should feel a slight suction for about 20 seconds approximately. If suction is too short, turn adjustment screw clockwise. The Adjustable part of the injection valve, is a flat head brass screw located as shown in fig 8. To decrease suction duration, turn screw counter-clockwise, half turn at a time. **Note:** Long suction times can result in excessive air bubbles in the water, giving it a milky appearance. If this occurs, turn screw counter-clockwise to reduce suction time.
- Insert the Allen key into the inlet side of the bypass valve and turn it on only slightly and watch for leaks. Make sure a faucet is on somewhere and that any aerator is removed to avoid clogging from loosened scale in the pipes. Leave the bypass valve in the same position and slowly turn the main shutoff valve on all the way. If you have no leaks, proceed to the next steps.
- Connect the control valve to the AC power source (Fig 10). Manually put the CAFE filter into the regeneration cycle by pressing the **SET/REGEN** button (see page 11). Turn the bypass valve slightly more into the service position to allow water to run into the unit. **You want water to initially fill the tank slowly. Once the tank is full of water, you can open valve fully. This prevents filter media from being pushed up into the control head by the initial surge of water going in.**



Once the tank is full of water you should start to see water flowing from the drain line. It may look somewhat discoloured at first. This is normal. Once the water runs clear and free from air pockets, turn the bypass valve further and further into the full "service position". You should have a full flow to the drain at this point.



- Your water may be discoloured for a day to two after initial installation or may appear milky due to small air bubbles. This is normal. Also, it will take a few days to get all the untreated water out of your hot water tank and you may choose to empty your hot water tank at the time of installation and clean it before letting water in from the filter.

The system is now ready for use.

START UP & PROGRAMMING

The control valve is controlled with simple, user-friendly electronics displayed on an LCD screen.

When power is first supplied, the valve electronics may take up to two minutes to initialize. During this time the screen will show "INITIALIZING WAIT PLEASE". Do not touch any buttons at this time. When the valve reaches the service position, it will display the following information in sequence:

FOR VIDEO INSTRUCTIONS ON PROGRAMMING
Visit our website
http://rainfresh.ca/how_to_videos.php

1. Date & Time
2. Regeneration Days (*Time interval between backwashes*)
3. Remaining Days (*days left before backwash begins*)
4. Backwash Time (*Time of day when backwash starts*)
5. Last Regeneration Date (*Last date when system backwashed*)
6. Current Flow Rate (GPM) (*flow rate of water being currently used*)
7. Peak Flow Rate (GPM) (*Max recorded flow rate of the water*)

The control valve has a display screen and 4 buttons

MENU BUTTON "☰"

The function of this key is to enter the level one programming mode where the valve settings can be adjusted.



UP / DOWN "▲▼"

These buttons are used to increase or decrease the value of the settings while in the programming mode.

SET / REGEN BUTTON "■"

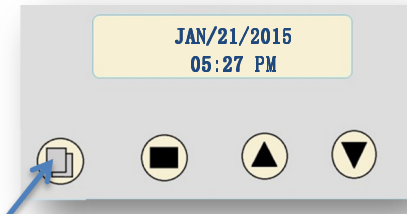
This button has two functions. The first is to initiate a manual backwash by holding the button for 3 or more seconds. The second function is while in programming mode, pressing this key allows the user to change the value of each setting.

PROGRAMMING YOUR CAFE948 FILTER

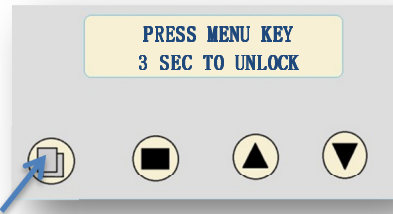
The valve has 2 levels of programming – Level 1 and Level 2. **The unit is factory set for your use and you do not need to change any settings other than time and date. Please call Rainfresh before attempting to change any values as that can affect the performance of your unit.**

Level 1 PROGRAMMING

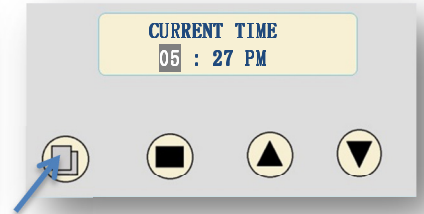
STEP 1 : Set Current Time



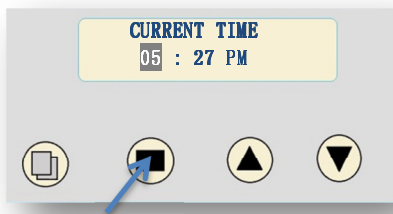
1. Press “□” (MENU) for 3 seconds to unlock screen.



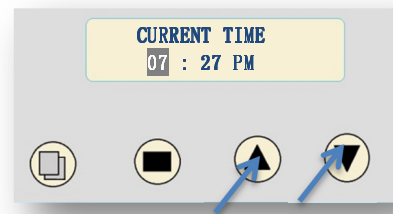
2. The display will read “Press MENU Key for 3 sec to unlock”.
3. After 3 seconds, the display will beep confirming unlock



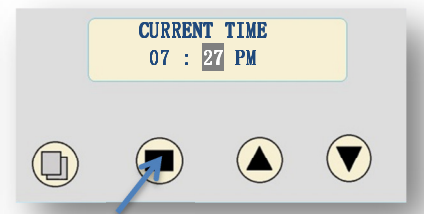
4. Press “□” (MENU) again and the hour value becomes highlighted



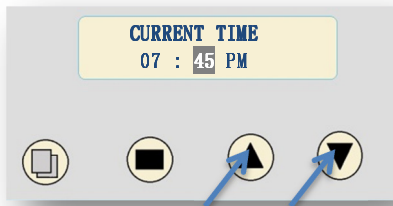
5. Press “■” (SET/REGEN) once and the highlighted value flashes.



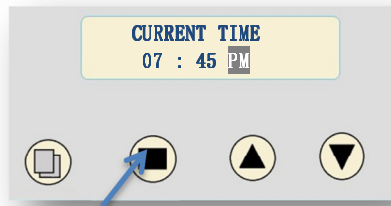
6. Now press “▲” (UP) or “▼” (DOWN) key to change the hour values to current time.



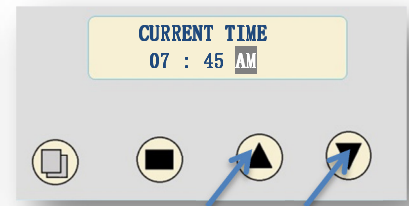
7. Press “■” (SET/REGEN) again. Hour value will be accepted and minute value will start flashing.



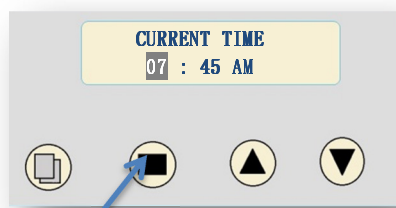
8. Now press “▲” (UP) or “▼” (DOWN) key to change the minute value to current time



9. Press “■” (SET/REGEN) again. Minute value will be accepted and AM/PM value will start flashing.

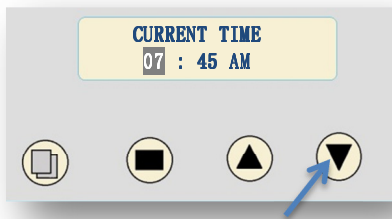


10. Now press “▲” (UP) or “▼” (DOWN) key to change the value to AM or PM

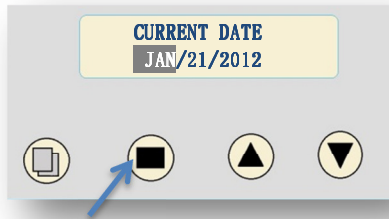


11. Press “■” (SET/REGEN) again to accept. Flashing stops & hour value is highlighted again. **PROCEED TO STEP 2**

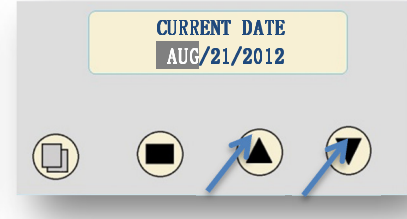
STEP 2 : Set Current Date



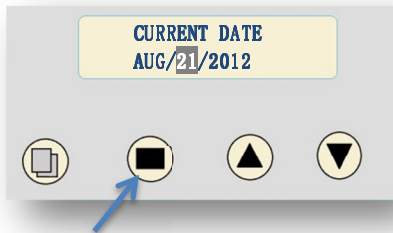
12. Press “▼” to advance to CURRENT DATE. The month value is highlighted



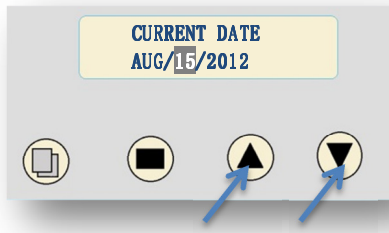
13. Press “■” again and the MONTH value flashes



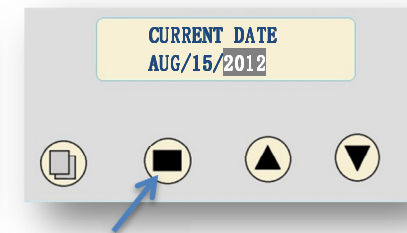
14. Now press “▲” or “▼” key to change the value to current month



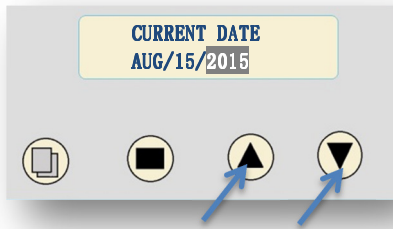
15. Press “■” again. Month value is accepted and the DAY starts flashing



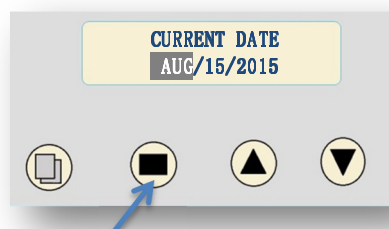
16. Now press “▲” or “▼” key to change the value to current day of the month



17. Press “■” again. Date value is accepted and the YEAR starts flashing



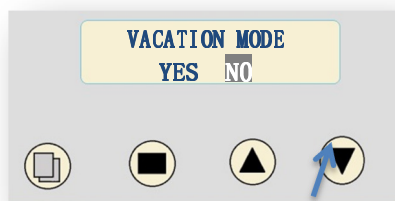
18. Now press “▲” or “▼” key to change the value to current day of the month



19. Press “■” again to accept. Flashing stops & MONTH value is highlighted again. **PROCEED TO STEP 3**

STEP 3: Setting Vacation Mode

Make sure that this is set to OFF.



20. Now press “▼” key to advance to VACATION MODE. Press “▼” again to exit. **DO NOT CHANGE**

Level 2 PROGRAMMING (OPTIONAL SETTINGS)

NOTE : Under normal use there is no need to change the settings under level 2 programming. You can, however, change the default settings if required. **CAUTION: DO NOT CHANGE LEVEL 2 SETTINGS WITHOUT CONSULTING RAINFRESH TECHNICIAN (1-800-667 8072).** Wrongly changing the settings can result in malfunction of the unit.

When the Level 2 Master Programming Mode is entered, all available option setting displays may be viewed and set as needed. Depending on current option settings, some parameters cannot be viewed or set.

2. Press “” (MENU) for 3 seconds to unlock screen.

4. The display will read “**Press MENU Key for 3 sec to unlock**”.

5. After 3 seconds, the display will beep confirming unlock

4. Press and hold “**▲ ▼**” *together* for three seconds to enter Level Two Master Programming.

To change any setting under level 2 programming


- press the “” key and the value flashes
- press the “**▲** or **▼**” keys to change the value
- press the “” key again to accept value
- press the “**▼**” key to advance to the next value


The following chart indicates choices and default settings. **Note:** Default settings are indicated in **bold letters**. Use same programming method as you used in level 1 to advance and/or change values.

Bold letters indicate default settings

	Parameter	Option 1	Option 2	Option 3	Option 4	Comments
1	System Language	English	Spanish	French		Set to French if desired. Spanish not enabled
2	Valve Operation	Softener	Filter	Iron Filter		Leave at default setting
3	Regeneration Mode	Meter Delayed	Meter Override	Calendar Clock	Meter Immediate	Leave at default setting
4	Regeneration Time	12:00 AM	The unit is factory set to backwash at 2:00 AM on the day of backwash. You can change to another time if desired.			
5	Regeneration Days	3 Days	Leave at default setting. Before changing this value, contact Rainfresh			
6	Backwash	10	Leave at default setting			
7	Rapid Rinse	5	Leave at default setting			
8	Restore Default	NO	Leave at default. Change only if you want to re-start programming from start			

Manual Backwash

If screen is locked, press “ MENU” for 3 seconds to unlock. To start an immediate backwash,

- Press the **■SET/REGEN** button for 3 seconds, an option for “*Delayed*” or “*Immediate*” backwash will appear.
- Press the **■ SET/REGEN** button again and “*Delayed*” will begin flashing.
- Now press the **▲** or **▼** buttons and “*Immediate*” will flash.
- Press the **■ SET/REGEN** button once and then press the “ MENU” button once. Valve will immediately start manual backwash.

OTHER FEATURES

Control Operation During a Power Failure

In the event of a power failure, the valve will keep track of the time and day for 48 hours. The programmed settings are stored in a non-volatile memory and will not be lost during a power failure. If power fails while the unit is in backwash, the valve will finish backwash after power is restored. If the valve misses a scheduled backwash due to a power failure, it will queue backwash at the next backwash time once power is restored.

New Sounds

You may notice new sounds as your filter operates. The backwash cycle lasts approximately 20 minutes. During this time, you may hear water running intermittently to the drain.

Manual Bypass

In the case of emergency, such as a leak, you can isolate your filter system from the water supply using the bypass valve located at the back of the control (see page 4). To resume filtered water service, open bypass valve by rotating the knobs counterclockwise.

MAINTENANCE

The CAFE948 filter does not require any routine maintenance except ensuring that it backwashes regularly. There are no filters or parts to be replaced. Typically, after a few years of service (5-7), you may notice that some iron is present in filtered water. At this time you will need to replace the filter media in the unit, which can be purchased from Rainfresh. Please call customer service at 1800-667-8072.

Care of your CAFE948 Iron filter

To retain the attractive appearance of your new filter, clean occasionally with mild soap solution. Do not use abrasive cleaners, ammonia or solvents. Ensure that there is no dust or debris on the bypass valve.

Winterizing the system

If the unit is to be winterized, the best way is to close the by-pass valve and unscrew the 2 screws adjacent to the by-pass valves that hold the unit and the by-pass valve together, and carry the unit to a place where it will not be subject to freezing temperatures.

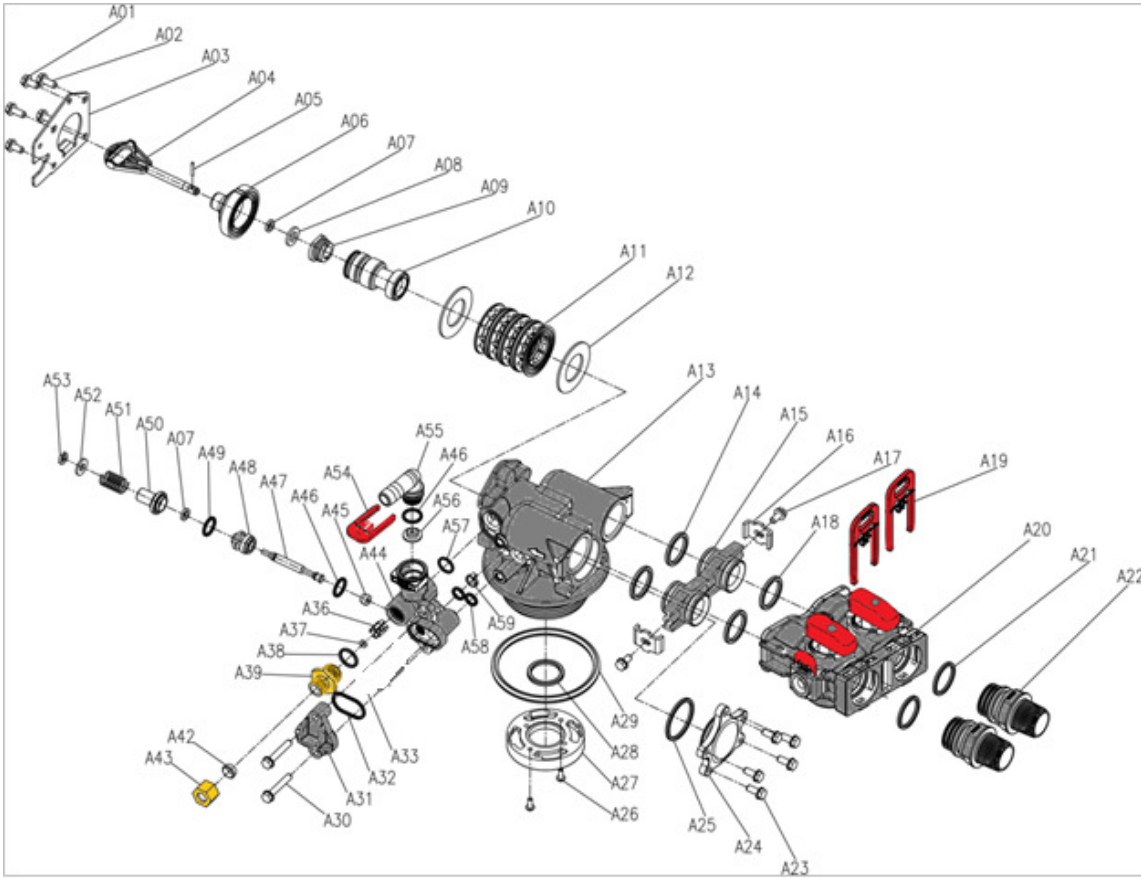
TROUBLESHOOTING

Please review the following troubleshooting guide before calling customer service.

- If you are unable to resolve the problem using the guide below, please call customer service at 1800 667 8072 (Mon to Fri 8:30 AM to 5 PM EST)
- **Please have your receipt & model number ready before you call. Customer service may request digital pictures of your installation in order to help troubleshoot the unit.**

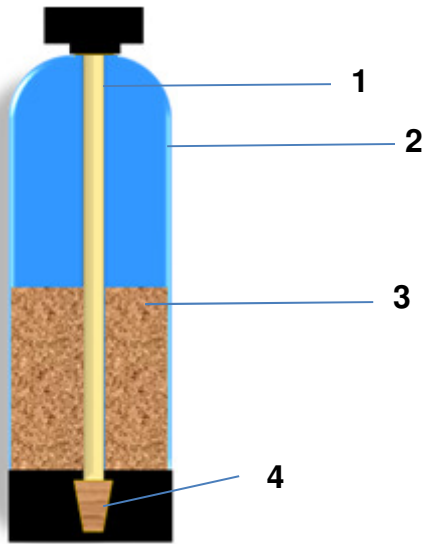
ISSUE	POSSIBLE CAUSE	SOLUTION
A. Unit fails to start a backwash cycle	<ol style="list-style-type: none"> 1. No power supply 2. Defective circuit board 	<ol style="list-style-type: none"> 1. Check electrical service & re-set time of day 2. Replace faulty parts
B. Filter does not seem to be working as there is iron in filtered water	<ol style="list-style-type: none"> 1. Control valve unplugged 2. Bypass valve is closed 3. Leak between valve and riser tube 4. Internal valve leak 	<ol style="list-style-type: none"> 1. Plug in control valve to power supply 2. Open bypass valve 3. Check if riser is cracked or O-ring is damaged. Replace faulty parts 4. Replace valve seals, spacer and piston assembly
C. Low water pressure	<ol style="list-style-type: none"> 1. Not enough water flow to backwash unit properly 2. Inlet of control valve plugged due to dirt 	<ol style="list-style-type: none"> 1. Replace pump to correct size. May need to replace filter sand as well 2. Clean control valve inlet
D. Filter media in drain line	<ol style="list-style-type: none"> 1. Incorrect or missing drain line flow control (DLFC) 	<ol style="list-style-type: none"> 1. Check and replace DLFC
E. Filter media in plumbing lines or water is coming out grey or very discoloured	<ol style="list-style-type: none"> 1. You have reversed the inlet/outlet of the unit 	<ol style="list-style-type: none"> 1. See fig 1 for correct inlet/outlet and plumb correctly. You will need to flush all your plumbing lines and may need to top up the sand as well
F. Unit cycles continuously	<ol style="list-style-type: none"> 1. Defective circuit board 	<ol style="list-style-type: none"> 1. Replace faulty parts
G. Water flows to drain continuously	<ol style="list-style-type: none"> 1. Valve settings incorrect 2. Internal leak 	<ol style="list-style-type: none"> 1. Check valve settings 2. Replace seals, spacer & piston assembly
H. Filter is leaking between the bypass valve and control valve	<ol style="list-style-type: none"> 1. Possible O-ring leak 	Check the metal adapter clips holding the 2 components together and tighten if necessary. Replace O-rings as required
I. Filter is always flashing through different pieces of information	This is normal	No action required
J. I am having difficulty accessing level 2 programming?		Unlock the screen by pressing and holding the menu button for 3 seconds. Press and hold both up and down arrows until the system language appears. See video at http://rainfresh.ca/how_to_videos.php
K. I cannot feel the air injector sucking air all the time	Air injector sucks air only during the first few seconds of the pump cycle	No action required
L. My display screen is blank	<ol style="list-style-type: none"> 1. Power cord may be unplugged from either adapter or receptacle 2. Defective circuit board 	<ol style="list-style-type: none"> 1. Re-connect power cord 2. Call Rainfresh to receive new circuit board with replacement instructions

PARTS LIST



Item No.	Part No.	Description	Quantity
A01	05056087	Screw - M5x12 (Hexagon)	3
A02	05056088	Screw - M5x16 (Hexagon with washer)	2
A03	05056047	End plug retainer	1
A04	05030002	Piston rod	1
A05	05056097	Piston pin	1
A06	05056023	End plug	1
A07	05056070	Quad ring	2
A08	05056024	End plug washer	1
A09	05056022	Piston retainer	1
A10	05056181	Piston (electrical)	1
A11	05056104	Muffler	1
A12	05056021	Spacer	4
A13	05056073	Seal	5
A14	05030001	Valve body	1
A15	05056129	O-ring ϕ 23x3	4
A16	05056025	Adaper coupling	2
A17	05056044	Adaptor clip	2
A18	05056090	Screw-ST4. 2x13 (Hexagon with washer)	2
A19	21709003	Secure clip	2
A20	05056140	Valve connector	1
A21	05056065	O-ring ϕ 23.6x2.65	2
A22	21319006	Screw adaptor	2

A23	05056508	Screw M5x12 (Hexagon with washer)	5
A24	05030004	End cover	1
A25	05030013	O-ring ϕ 30x2.65	1
A26	13000426	Screw-ST2. 9x13 (Large)	2
A27	07060007	Valve bottom connector	1
A28	26010103	O-ring ϕ 25x3.55	1
A29	05056063	O-ring ϕ 78.74x5.33	1
A30	05056086	Screw - M5x30 (Hexagon with washer)	2
A31	05056029	Injector cover	1
A32	05056072	O-ring ϕ 24x2	1
A38	05056138	O-ring ϕ 14x1.8	1



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DESCRIPTION	
1	Riser
2	Media Tank – 9" x 48"
3	Filter media (1 cu ft)
4	Bottom Distributor
5	Power adapter (110V)
6	Air Injector

**To order replacement parts, call
1800 667 8072 Monday to Friday
8:30 AM to 5 PM EST.**

Limited Warranty:

This CAFE948 System is warranted to the original Consumer purchaser for a period of one (1) year, from the date of purchase, against defects in materials or workmanship. The electronic controls and mineral tank are warranted for 5 and 10 years respectively against defects in materials or workmanship. The company's obligation under this warranty shall consist of repair or replacement, at its option, of any part found by company inspection to be defective, provided that the product has not been misused, abuse, altered or damaged by Consumer with respect to the original installation, as determined by the company. This warranty will not apply if feed water does not meet specifications of this system. This limited Warranty applies only to a unit when returned to the Warrantor at the owner's expense and in accordance with shipping

instructions received from the Warrantor. This warranty does NOT cover, and is intended to exclude, any liability on the part of Envirogard for any incidental damages, consequential damages, labour charges or any other costs incurred in connection with the purchase, installation, use, maintenance or repair of the system whether under this warranty or any other warranty implied by law. Some provinces/states do not allow the exclusion 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 province/state to province/state. This warranty applies only to water filter/systems purchased in Canada.

Feb 2016



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