

RV Dual Canister Filtration System CDC200



www.clear2o.com

Thank you for purchasing the Clear20® Dual Canister Filtration System.

The Clear20® Dual Canister Filtration System filters hundreds of gallons protecting you and or your family from the dangers of water-borne contaminants. Perfect and convenient for outdoor use for RVs and campers. Using our sediment prefilter (removes sand, silt, rust, and sediments) and our SCB (solid carbon block) filter reduces harmful contaminants including Lead and Chlorine for filtered, great-tasting water. Filters available on www.clear2o.com

Register your product at www.clear2o.com.

If you should experience a problem or have a product question, please visit our website at www.clear2o.com or e-mail us at support@clear2o.com. Include your product model number on your e-mail.

Clear20® Replacement filters are available at our website www.clear2o.com.

Box ContentsWHAT'S INCLUDED



- 1) Pressure Gauges
- 2) Filter Canister top with pressure relief valve
- 3) Filter Canister housing
- 4) Water Inlet / Outlet fittings 1/2" NPT Male x 3/4" GHT Female (INLET) & 1/2" NPT Male x 3/4" GHT Male (OUTLET) (not shown)
- 5) Stand
- 6) Wrench Twist Tool
- 7) Replacement Water Filters (Not Included. Available on www.clear2o.com)

IMPORTANT INSTRUCTIONS

- Read all instructions carefully before installing the Clear2O[®] Dual Canister Filtration System and store instructions manual. Replacement filters can be purchased on our Clear2O[®] website at www.clear2o.com.
- 2) The actual capacity of any filter may vary from the rated capacity. This may be due to the volume of contaminants or sediments present in your local water supply. For optimal performance, replace your filter when flow rate diminishes or notice a taste or odor reoccurrence. If so, the capacity has been reached, and recommended to replace filter(s).
- 3) Do not use with water that is microbiologically unsafe or from unknown source.
- 4) Filter is only to be used with cold potable water. Do not use with hot water, filter may be damaged.
- 5) Do not allow for the water filter system to sit for extended periods without being used (over 10 days). If system must be left unused for longer than 10 days, it is recommended to drain the water and remove the filter(s) and let air dry completely. Upon your return, re-insert filter into the system or replace with a new filter(s) and flush the system for 5 minutes.
- 6) Only use Clear20® Replacement filters recommended for use with this system. Use of other filters may void warranty.
- 7) Clear20[®] is not liable for consequential or incidental damages due to improper installation or use of other manufacturer filters.
- 8) Installation must comply with state and local laws. Refer to your local agencies for details.
- 9) Unwrap and make sure any plastic/other shipping material is removed before using.
- 10) Once installed, do not remove filter housing while water is flowing or under pressure. Turn off water and depress pressure relief valve to allow pressure to decrease completely prior to attempting to remove filter canister housing. Failure to release pressure completely prior to opening may cause damage to unit or yourself. Be safe and follow instructions.
- 11) Check for leaks on an ongoing basis to insure unit is sealed and operating correctly. Vibrations from driving or handling may cause housings or fittings to become loosened. Check all regularly to insure no leaks are occurring. If any leaks are found, immediately shut off water source and resolve leak to avoid any damage from occurring.
- 12) IMPORTANT: To prevent pressure spikes, use a pressure regulator on faucet inlet (prior to water flow to filter system) rated at below 60 psi. This will help to prevent damage to filter system and RV hoses and connections from water pressure spikes or pressure inconsistencies.

Quick Easy Installation — Outdoor Use Only

- 1) The unit will have all internal fittings installed (1/2" NPT Female). External fittings require installation by user.
- 2) Install fittings on INLET (1/2" NPT Male x 3/4" GHT Female) and OUTLET (1/2" NPT Male x 3/4" GHT Male) side of filter system. To prevent leaks, apply Teflon plumbers tape to threads and tighten using wrench. Do not over tighten.
- 3) Each canister has a thin O-Ring seal located at the top of the canister housing that seals the canister housing to the canister top. This must be in place within the associated groove to prevent leaks. TIP: it is often helpful to apply a small amount of silicone lubricant to prevent the seal from sticking or becoming dislodged during installation/removal. It is recommended to replace seals annually or, as needed to prevent leaks. Replacement O-Ring Seals can be purchased at www.clear20.com.
- 4) STAGE ONE: Remove wrapping and insert 1st Stage Filter (usually a SEDIMENT or PREFILTER) into canister insuring that top and bottom gaskets remain securely in place during installation. Guide Canister/Filter on to Canister top and turn clockwise to tighten. It is recommended to hand tighten securely. If leaks are noticed, further tighten until leak stops. If leak continues, remove and re-install insuring that filter, O-ring, and gaskets remain in proper position. Canister should screw on easily, do not cross thread. If difficult to turn, remove and re-install.



- 5) STAGE TWO: Use same procedure outlined in Step 4 to install 2nd Stage Filter (usually a CARBON-type filter) into second canister (OUTLET SIDE).
- 6) Attach your drinking water approved hose to the water INLET PORT at your RV, attach other end of hose to the garden hose fitting on the OUTLET SIDE of the Filtration System. Attach additional drinking water approved hose to the INLET SIDE of the Filtration System and other end to the spigot to be used.

- 7) Check entire system to insure all connections are secure. You are now ready to turn on water slowly to allow water to fill canisters, once water pressure stabilizes, check for leaks. If pressure gauges do not register, check for water flow issues between Filtration System and spigot, kinks in hose, etc.
- 8) If leaks are found, turn off water and make the necessary adjustments to eliminate the leaks. If no leaks, open a faucet within the RV and let water run for 5 minutes to clear any dust or debris from manufacturing process. Once complete, turn off RV faucet.
- 9) Water can remain on at the spigot and is now available for use.
- 10) PRESSURE GAUGES are a useful visual tool for determining flow rates at each filter. Pressure Gauges will only register if system is fully connected on both inlet and outlet side and water is not flowing, so pressure can be measured. As water pressure differs at different campground locations, it is best to monitor and compare the initial pressures noted upon initial start up to current pressure reading so as to determine any flow rate changes. A significant increase in pressure reading at either gauge shows signs that the filter maybe approaching its useful life. Once pressure noted increases approximately 10% from initial reading, it is recommended to monitor pressure change daily and if pressure continues to rise, it is time to change filter. Remember to always release pressure on canister before removing.
- 11) Filter life will vary depending on the quality & condition of the input water. Once the filter reaches its capacity, it has done its job in protecting you from contaminants and should be replaced. It is recommended to minimally change filters every six months to insure best quality operation of unit.



IMPORTANT:

- Do not run hot water through the filter. Filter may become damaged.
- Always turn off water at spigot and depress Pressure Relief valves on EACH canister to release pressure before attempting to remove canister housing or hose fittings.

NOTE: It may take as much as a day for all trapped air to work out of a new filter cartridge. If water appears cloudy, the problem is trapped air. It will correct itself, and in the meantime, the water is safe to drink.

Care And Storage

Once system is operating correctly, leaks at fittings are rare and can usually be corrected by tightening the fitting, insuring that gaskets are used within hose ends, or wrapping the threads with teflon tape. If the unit leaks at the Canister Housing, be sure the O-ring in the Canister Housing is in place and tighten firmly. Lubricate the O-ring lightly. Silicone grease is the preferred lubricant type, but petroleum jelly will also work.

- 1) **TO CLEAN:** The canister filter housing can be washed with dishwashing soap and sponge followed by a thorough rinse.
- 2) The Filter Top, Gauges, and Stand can be rinsed to remove any dirt or debris.
- 3) **TO STORE:** it is recommended to empty system of water if system is not used for over ten day period.
- 4) Turn off water at spigot and depress Pressure Relief valves on EACH canister to release pressure before attempting to remove.
- 5) Remove each canister and remove filter. Gently shake out water and allow filters to air dry. If filters have not reached their capacity, once dry, filters can be re-installed for dry storage and future use. Inspect each filter prior to use.
- 6) Follow start up instructions when ready for re-use. It is recommended to minimally change filters every six months to insure best quality operation of unit.
- 7) **FOR RESTART:** After storage period, visually inspect filter system for any signs of damage or leaks from travel or storage. Insure canisters are tightened and unit is ready for operation. Turn on water and flush filter system for 5 minutes prior to use. It is recomended to perform visualinspection each time RV is to be used as well as ongoing inspections.

NOTE: Observe pressure gauge reading upon first installation and continue to compare against initial reading over time. Once pressure readings begin to increase 10-20%, filters are nearing their life expectancy. As water pressure differs by location, comparison to initial reading is the best way to determine flow rate reductions over time. It is recommended to minimally change filters every six months to insure best quality operation of unit.

Service And Warranty

Keep a record of the purchase receipt and/or installation receipt. This product has a 90-day Limited Warranty (which applies only in the United States and Canada) when strictly used in accordance with instructions to filter municipally treated/private well, potable tap water.

Applica Water Products LLC - Clear20°'s liability is limited solely to the replacement of any defective product returned and confirmed by us. To the extent permitted by law, Applica Water Products LLC - Clear20° makes no other warranty, nor assumes any liability for incidental or consequential damages resulting form the use of this product or breach of warranty of merchant-ability or fitness for a particular purpose.

What does it cover?

Any defect in material or workmanship.

For how long?

90 days after the date of original purchase.

What will we do to help you?

Provide you with a reasonably similar replacement product that is either new or factory refurbished.

How do you get service?

- 1. Save your receipt as proof of the date of sale.
- 2. E-mail our customer service department at support@clear2o.com detailing the matter.
- 3. Make sure to include your contact information, model number and order number.

What is not covered by the warranty?

- Damage from commercial use.
- Damage from misuse, abuse or neglect.
- Damage from incorrect installation or improper use.
- Products that have been modified in anyway.
- Products used or serviced outside the country of purchase.
- Shipping and handling costs associated with the replacement of the unit.
- Consequential or incidental damages (please note, however, that some states do not allow the exclusion or limitation of consequential or incidental damages, so this limitation may not apply to you).

How does state law relate to this warranty?

• This warranty gives you specific legal rights, and you may also have other rights that vary from state to state or province to province.

PURCHASES MADE IN IOWA

For purchases buyer and selle retained on file	made in lowa: Ther prior to consum by the seller for a	is form must be signed amation of this sale. The aminimum of two years	d and dated by the is form should be s.	
BUYER		SELLER	SELLER	
Name		Name	Name	
Address		Address	Address	
City		City	City	
State	Zip	State	Zip	
Signature	Date	Signature	Date	

DO NOT USE THIS PRODUCT WITH WATER THAT IS MICROBIOLOGICALLY UNSAFE OR OF UNKNOWN QUALITY.

SPECIFICATIONS:

CANISTER

Fitting filter size: 10" x 2.5" Material: Food grade PP Working pressure: 10-150 PSI Working temperature: 0-60 degree C Fitting thread: 1/2 NPT Female

PRESSURE GAUGE

Size: D50 mm Accuracy grade: 2.5

Gauge scale: 0-10 bar (0-150 PSI) Working temperature : 0-55 degree C.

For service and questions contact: support@clear2o.com

PRODUCT SPECIFICATION



NEED TO ORDER REPLACEMENT FILTERS Visit our website at www.clear2o.com.



You may easily find product information and/or product updates on our social media forums:



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