

INSTRUCTIONS FOR, SINGLE, DUAL and TRIPLE-CANISTER INSTALLATION, ASSEMBLY, USAGE, CARE AND MAINTENANCE: Important, please read

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- 1) Head Assembly (one, two or three heads with fittings)
- 2) Bracket and Screws (option)
- 3) Sumps/Canisters (one, two or three)
- 4) O-Rings are in plastic zip lock bag (should be stapled to these instructions)**
- 5) Canister Wrench
- 6) Filter Cartridges

ASSEMBLY INSTRUCTIONS

- 1) If you have a bracket, locate the screws in the zip lock bag with the o-ring. Notice the input and output of the canister head(s) and attach the bracket so that the direction of flow of water is what you desire. Start two screws on opposite corners and hand tighten. Carefully tighten each of them, **DO NOT OVERTIGHTEN**. Hand start the rest of the screws and tighten each of them.

- 2) **O-RING INSTALLATION** – Locate the zip lock bag with o-rings. They should be stapled to these instructions. Each o-ring fits down inside the Sump (canister) on a groove just below the threads (see image here). They **DO NOT** go over the threads of the head. Put the o-ring into the sump until it fits into the groove and put sump aside, being careful not to dislodge the o-ring. O-rings do not require additional lubrication, they should still have some from the factory. If you feel you want to add more, use food grade o-ring lubrication.



3) CARTRIDGE INSTALLATION

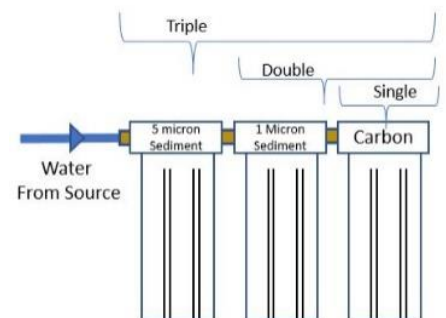
a. Filter Cartridge Order

- i. **SEDIMENT FILTER** - any system with one or more sediment cartridges, the sediment will go first place, that is, closest to the input fitting. This will protect the downstream filters from getting prematurely plugged with sediment. In triple systems where you have two sediment filters, put the 5 micron filter first, followed by the 1 micron, followed by the carbon filter. **Doulton RIO 2000 is also a sediment filter.**

- ii. **CARBON FILTER** – This filter comes immediately after the last sediment filter. If your system has two carbon cartridges, it doesn't matter what order they go in.
- iii. **SPECIALTY RESIN FILTERS** – These filters should go last in the system, following the last carbon filter.

- b. Carefully unwrap the cartridge and discard the wrapping (by law, cannot be returned or exchanged once unwrapped)

- c. Rinse the cartridge with water to get dust and carbon fines off the surface of the filter
- d. Carefully place the cartridge into the center of the canister with the gasket at the top.



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4) SUMP INSTALLATION

- a. Carefully screw the sump onto the head without dislodging the o-ring or the cartridge. Tighten to hand tight, and then snug it up with the wrench if necessary. **TIGHTEN ONLY AS MUCH AS NECESSARY TO PREVENT LEAKING**
- b. Repeat for all canisters.
- c. Attach the drinking water hose to the female fitting on the canister assembly, and a separate hose on the output fitting that goes to the RV.

5) BRACKET INSTALLATION OR SPECIAL PLUMBING

- a. If your system has a mounting bracket, find a solid support beam to attach the system. If tapping into existing plumbing, contact Dave at 602-625-1875 for consultation.

CLEANING AND MAINTENANCE OF YOUR FILTERS

1. Sediment and Modified Carbon Block filters – RV SED1/5, PR-1/5, F1/F1PB/F5,
 - a. These filters are naturally resistant to stagnation, so they are easy to care for. If you use your system regularly, with no more than a month between uses, you can leave them in water in the canister. If you will not be using the system for more than a month, then you should dump the water out of the canister and dry the filters. You can put them back into the dry canister so they can be ready for next use. **DO NOT ALLOW TO FREEZE**. If the weather will be freezing, put them in a dust free environment like a closet in a freezer bag.
2. CBC-KDF
 - a. This filter must be kept in water for it's entire life. Drying it may result in the filter seizing up and not passing water
3. Resin Filters
 - a. These can be dried and reused, but you should take care to shake them to loosen up any clumps as they dry so they can be reused next time. Again, they should be removed if the system will be unused for more than 1 month
4. GAC and CBC-10 carbon block
 - a. These filters have a higher tendency for stagnation, so they should be dried if left for more than 2 weeks vs a month for the Sediment and Modified Carbon Block
5. Ceramic filters
 - a. These can be cleaned with a 3M scotch bright pad or the brush that the filter comes with in the case of the Doulton RIO 2000. Rub the ceramic surface to remove the sediment and rinse. These filters can remain in water indefinitely as long as they **DO NOT FREEZE** as they are bacteriostatic
6. KDF/GAC
 - a. Any filter with granulated carbon and KDF can be left in water or dried out like a resin filter. The KDF will prevent bacteria growth so no need to remove these from the canister. If you do take them out, see 3 above for resin filter for storage.

REPLACING FILTERS

1. For sediment filters, you will see a drop in pressure. When you notice the pressure/flow reducing, check the sediment filter first. It will look dirty on the inside and outside of the filter when it is ready to replace.
2. For Carbon filters, you may also see a flow reduction, but usually you will notice that the taste of the water is getting worse or notice an odor.
3. For Resin filters, you may also see a flow reduction, but usually you will notice that the symptoms are getting worse or notice an odor.
4. If you don't see any symptoms, it is a good idea to replace yearly for standard size and every two years for jumbo size regardless.