

QUICK START GUIDE

Thank you for your purchase of this CR Spotless System from Spotless Water Systems, LLC. We hope that this guide will help you get setup quickly and begin using your system right away. Please keep this guide should you ever need to refer to it later.

A. UNPACK

1. First, make sure that you have all the parts listed below and access to a hose bib (water supply):

Part #	QTY	Description
1	2	Pipe thread to Hose Thread fittings
2	2	¾" X 2" Nipple
3	2	¾" T fitting
4	1	Dual TDS Meter

Part #	QTY	Description
5	1	48" Stainless Steel Connection Hose (Inlet)
6	1	Roll Teflon Tape
7	1	Housing Wrench
8	2	Cartridges



2. Follow the directions on the next page for **SETUP** and **ASSEMBLY** and you will soon be ready for **OPERATION!**

B. ASSEMBLY AND SETUP

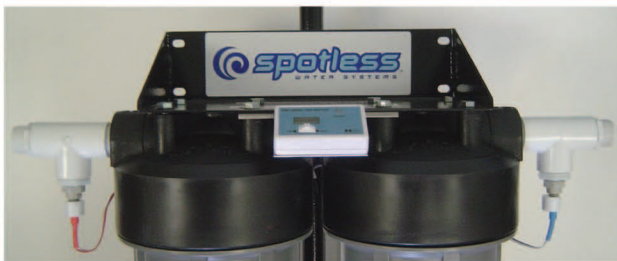
Assembly is simple and does not require special tools other than a crescent wrench or channel lock pliers.

1. Wrap Teflon tape at least 2 times (clockwise when looking at item) around all Pipe threads (fine threads on part #1 and part #2).
2. Insert one *part #1* into one *part #3*.
3. Insert one *part #2* into other side of the same *part #3*.



Repeat steps 2 and 3 for the remaining parts #1, #2, #3.

4. Now attach one assembled part (#1-3) to the input side of the system and one assembled part (#1-3) to the output side of the system and tighten. It should look like a capital T after tightening.
5. Insert the “**out**” probe of part #4 into part #3 on the **output** side of the system. Insert the “**in**” probe of part #4 into part #3 on the **input** side of the system.
6. Attach one end of *part #5* to the inlet side of unit and the other end to your water supply (hose spigot).
7. Attach your garden hose to outlet side of unit and get ready to enjoy the luxury of deionized water!



After Assembly

C. OPERATION

1. Connect 48" inlet hose (*part #5*) to house hose spigot.
2. Connect your garden hose to outlet side of system.
3. Turn on TDS meter (**Note:** it is not necessary to turn on the TDS meter to generate DI water). The TDS meter will automatically shut off in 3 minutes.
4. Attach garden sprayer nozzle or pressure washer to the end of your garden hose.
 - If you are using a garden sprayer, set it to a **FAN** or **FLAT** spray pattern only.
 - If using a pressure washer with a DIC-10 or DIW-10, make sure that it does not exceed 2.5 gallons per minute (**gpm**). NOTE: PSI has no bearing on the operation of this system.
 - If using a pressure washer with a DIC-20 or DIW-20, make sure that it does not exceed 4.0 gallons per minute (**gpm**).

NOTE: It is very important to keep the flow rate of the DIC/W-10 systems under 2.5 gpm and the DIC/W-20 systems under 4 gpm.

5. Turn water supply on and proceed to wash and rinse. Ensure that you rinse thoroughly. Any trapped **dirty** water or soap residue will eventually drip and leave spots (i.e. rear view mirrors, etc).
6. Do not allow dirty soapy water to dry prior to rinsing with DI water.
7. When water is flowing and the TDS meter output reads 30 ppm or less, the water is spot-free. When the meter approaches 30, it is time to replace the resin/cartridges before the water starts to spot.
8. When you have finished rinsing, just walk away and let it air dry.
9. When finished, don't forget to turn off your water supply!

D. RESIN AND CARTRIDGE REPLACEMENT

1. Relieve pressure by turning the water off and squeezing your sprayer trigger until water stops flowing.
2. Using supplied housing wrench (part #7), loosen and then unscrew each of the two housings. Remove used resin cartridges and remove centering/alignment rings from cartridges. Then follow instructions (a) or (b):

(a) Resin Replacement Using New, Pre-Filled Cartridges:

3. Place rings on new cartridges and reinsert into housings.



4. Screw the housing back into the tops and secure with housing wrench. Tighten, but do not over tighten. Now you are ready for more spot free rinsing!

(b) Resin Replacement Using Our Resin Refill Bags:

3. Unscrew the white cap and empty the cartridge (used resin) into the garbage. Rinse the cartridges to remove any remaining used resin.
4. Cut the corner off of your pre-measured resin refill bag and squeeze entire contents of one bag into one of the clean cartridges. **(NOTE: lightly bounce the cartridge as you are filling it with new resin. This will help the resin settle so that it can be filled completely.)** Repeat process with the other cartridge and resin bag.
5. Replace the alignment rings on the refilled cartridges and place in the housings.
6. Screw the housings back into the tops and secure with housing wrench. Tighten, but do not over tighten. You are now ready for more spot free rinsing!

E. WARNINGS: READ BEFORE USING

1. Please do not drink the water produced by this system. While small amounts are not harmful, this water is too pure and can rob a human body of vital minerals and nutrients with extended use.
2. Do not plumb directly into household or RV potable water supply.
3. Prior to opening cartridge housings turn off water and relieve pressure in hose.
4. Stop use when TDS Output Meter reads 25-30 ppm.
5. Do not exceed 75 psi inlet water pressure.
6. ***Use only the FAN or FLAT spray pattern on a typical nozzle or purchase a 1 or 2 gpm flow restrictor and insert that into nozzle first.***
7. If using a pressure washer,
 - a. For Models DIC-10 and DIW-10, do not exceed a flow rate greater than 2.5 gpm (gallons per minute).
 - b. For Models DIC-20 and DIW-20, do not exceed a flow rate greater than 4.0 gpm (gallons per minute).
8. For ***initial*** and ***every start up***, connect system as described in **C. OPERATION** (see page 3 of this Guide) with **nothing attached** (no nozzle or pressure washer) to the end of the hose on the output side.
9. SLOWLY turn on the water supply until water is flowing through the output hose. This allows the cartridges and housings to fill with water and avoids air gaps which will affect performance.
10. Now, you can turn off your water supply, connect your garden sprayer nozzle or pressure washer, turn your water back on, and just...
WASH, RINSE, and WALK AWAY!

F. TIPS & TRICKS

- Any residue left after air drying is either a contaminant that “landed” on the water as it was drying, dirt that was not fully removed by the cleaning process, or soap that was not completely rinsed off. Think of the rinsing action of DI water as sort of a ‘water broom’- you must ‘sweep’ away all non-DI water as well as other contaminants (soap, dirt, etc). If the TDS level shown on the meter was <30 ppm during the rinse evolution, spot-causing minerals were not present in the water!
- If you are in a dusty area and need to dry it fast to prevent dust from landing in a water droplet, try using a low velocity ELECTRIC LEAF BLOWER to blow off the remaining water before dust has time to settle. This technique is also useful for areas that take longer to dry naturally like rearview mirrors and intricate parts/chrome on motorcycles.
- Remember- towel drying may cause tiny scratches (or “micro-marring”) on your paint’s surface. This can result with a “sunburst” or “halo” effect when viewing a bright reflection on your paint’s surface.
- Remove cartridges and dry them out if you’re not going to use them for more than about a month as algae may form and reduce their effectiveness.
- DI water applications are endless. Our customers save time and frustration by using DI water on:
 - ✓ Autos and Trucks
 - ✓ Household Windows
 - ✓ Motorcycles
 - ✓ Recreational Vehicles
 - ✓ Golf Carts
 - ✓ Kid’s outdoor play toys
 - ✓ Patio Furniture
 - ✓ And anywhere else water spots drive you nuts!