



MASTER
Water Conditioning Corp.

Installation and Operation Manual



DECHLORBY

Residential Upflow Carbon Filter

2022



DECHLORBY ACTIVATED CARBON FILTER

OPERATION:

The DECHLORBY Carbon Filter requires no backwashing. The water enters the unit from the bottom of the tank and passes upward through the carbon bed. This unique design eliminates the need for a control valve and the extra water needed to regenerate an automatic filter. The DECHLORBY is designed for use on a water supply that is clear, iron free, manganese free, sediment free, and a pH greater than or equal to 7.0. All warranties will be void if a 20 micron prefilter is not installed on the inlet side of the DECHLOR unit. Please contact Master Water Conditioning with any questions pertaining to the DECHLORBY installation. The unit is equipped with an upper strainer assembly to prevent mineral loss.

COMPONENTS SUPPLIED WITH THE DECHLORBY UNIT:

- DECHLORBY Valve made of Noryl® with upper strainer made of ABS
- Tailpiece Kit
- DECHLORBY tank made of non-corrosive materials and supplied with a distributor pipe, and activated carbon.

COMPONENTS SUPPLIED BY THE INSTALLER:

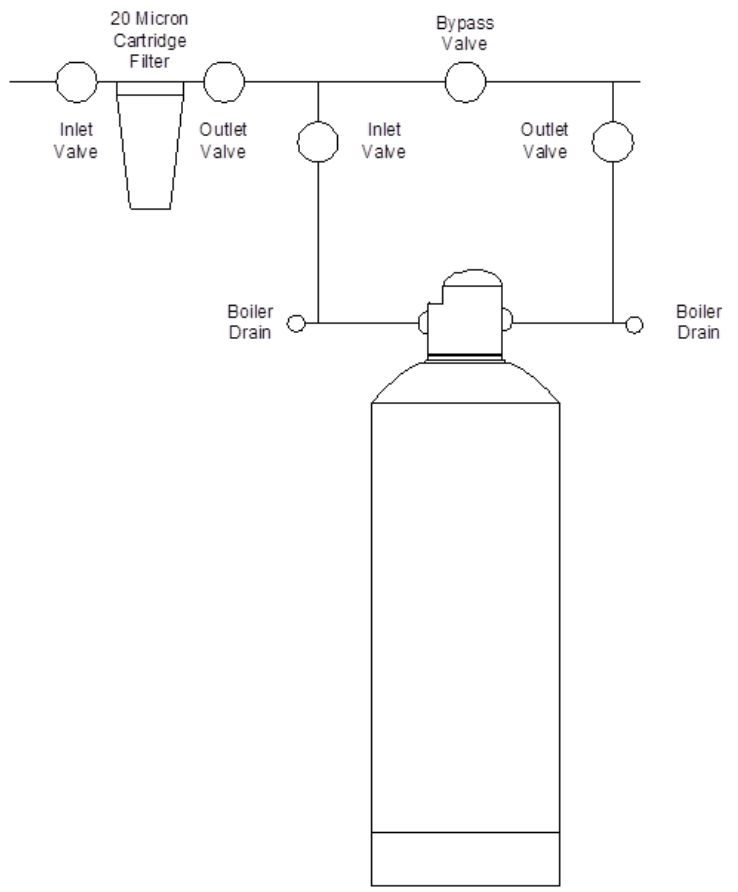
- 20 Micron Cartridge Filter
- All external installation piping

OPERATING LIMITS:

The unit is designed to function with minimum water pressures of 20 psi, maximum water pressures of 100 psi, and a maximum water temperature of 100 degrees F. Untreated water must be clear, sediment free, iron of less than 0.3 ppm and manganese of less than 0.05 ppm.

SPECIFICATION TABLE:

Model Number	Flow Rate	Tank Dimensions	Media Volume
DECHLOR1040BY	5 gpm	10" x 40"	1.0
DECHLOR1054BY	6 gpm	10" x 54"	1.5
DECHLOR1248BY	8 gpm	12" x 48"	2.0
DECHLOR1465BY	11 gpm	14" x 65"	3.0
DECHLOR1665BY	15 gpm	16" x 65"	4.0



INSTALLATION INSTRUCTIONS:

1. Place conditioner in desired position. Keep unit far enough away from walls and other obstructions to allow for servicing the unit.
2. Remove the head assembly from the top of the mineral tank. Fill the mineral tank with the provided media, which is shipped in separate cartons. Secure the head assembly to the tank.
3. Use teflon tape on the 6" gray nipple and secure nipple to outlet of 20 micron prefilter assembly and the inlet of the head assembly. **DO NOT OVER TIGHTEN, THE STRAINER AND HEAD ASSEMBLY WILL CRACK.**
4. Pipe unit into the service lines by following Figure #2. Plumb the inlet plumbing into the UPFLOW INLET port of the in-out head. Plumb the outlet plumbing into the DOWNFLOW INLET port of the in-out head. If using copper pipe, make all sweat connections away from the tank, strainer and head assemblies or the heat will damage them and void warranty. Use unions on the inlet and outlet connections.
5. Pipe a boiler drain into the outlet piping as shown in Figure #2.
6. Open the inlet and outlets on the bypass, and the outlet boiler drain.
7. Direct water from the outlet boiler drain to a floor drain. Run water until the water becomes clear. When clear, close outlet boiler drain. The unit has been thoroughly purged.
8. The unit is now in the service position.
9. If an extreme loss of water pressure occurs, support the 20 micron prefilter assembly and unthread the white sump, remove the stainless steel strainer and clean. Return all parts and **HAND-TIGHTEN** white sump to prevent damage.

12 YEAR LIMITED WARRANTY

As of November 2022

This Residential Water Conditioner is warranted for a period of **one year** from date of purchase by first user against defects in materials and workmanship. In addition, the complete inlet/out valve is warranted for **one year**. The mineral tank (excluding mineral) is warranted against rust, corrosion or bursting for a period of **twelve years** from date of manufacture. Except as specifically set forth in this paragraph, Master Water Conditioning Corporation makes no other warranties, express or implied.

This warranty shall be void if the conditioner is moved from the place of original installation, or if damage is caused by misuse, misapplication, accident, freezing, flood, fire or if not installed in accordance with instructions furnished by Master Water Conditioning Corporation.

This warranty shall be void in the event of damages from external sources or where the conditioner has been operated at pressure in excess of 100 pounds per square inch or at a temperature in excess of 100 degrees F., or below 32 degrees F. Incidental costs or consequential damages are not covered by this warranty.

All defective parts shall be returned prepaid to Master Water Conditioning Corporation for inspection. Master shall not be liable for labor charges other than Master factory repairs.

This warranty gives you specific legal rights, and you may have other rights which vary from state to state. Some states do not allow limitations on duration of implied warranties or exclusion of incidental or consequential damages, so the above limitations may not apply to you.

All claims must be submitted in writing to Master Water Conditioning Corporation at 224 Shoemaker Road, Pottstown, Pennsylvania 19464, within thirty (30) days from the discovery of the defect. Master Water Conditioning Corporation thereafter will correct defective parts and workmanship or rusting, corrosion or bursting within sixty (60) days.



224 Shoemaker Rd. Pottstown, Pa. 19464