



MASTER

Water Conditioning Corp.

www.masterwater.com

DECHLORBY UPFLOW 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
- Inlet and Outlet fitting package including nuts, snap rings, o'rings and ¾"/1" PVC pipe connections
- DECHLORBY tank made of non-corrosive materials and supplied with a distributor pipe, gravel, and activated carbon.

COMPONENTS SUPPLIED BY THE INSTALLER:

- 20 Micron Cartridge Filter with either ¾" or 1" connections
- 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	DECHLORBY Flow Rate	Tank Dimensions	CF Capacity Carbon	Media
DECHLOR1040 BY	5.0 gpm	10" x 40"	1.0	Carbon
DECHLOR1054 BY	6.0 gpm	10" x 54"	1.5	Carbon
DECHLOR1248 BY	8.0 gpm	12" x 48"	2.0	Carbon
DECHLOR1665 BY	12.0 gpm	16" x 65"	4.0	Carbon

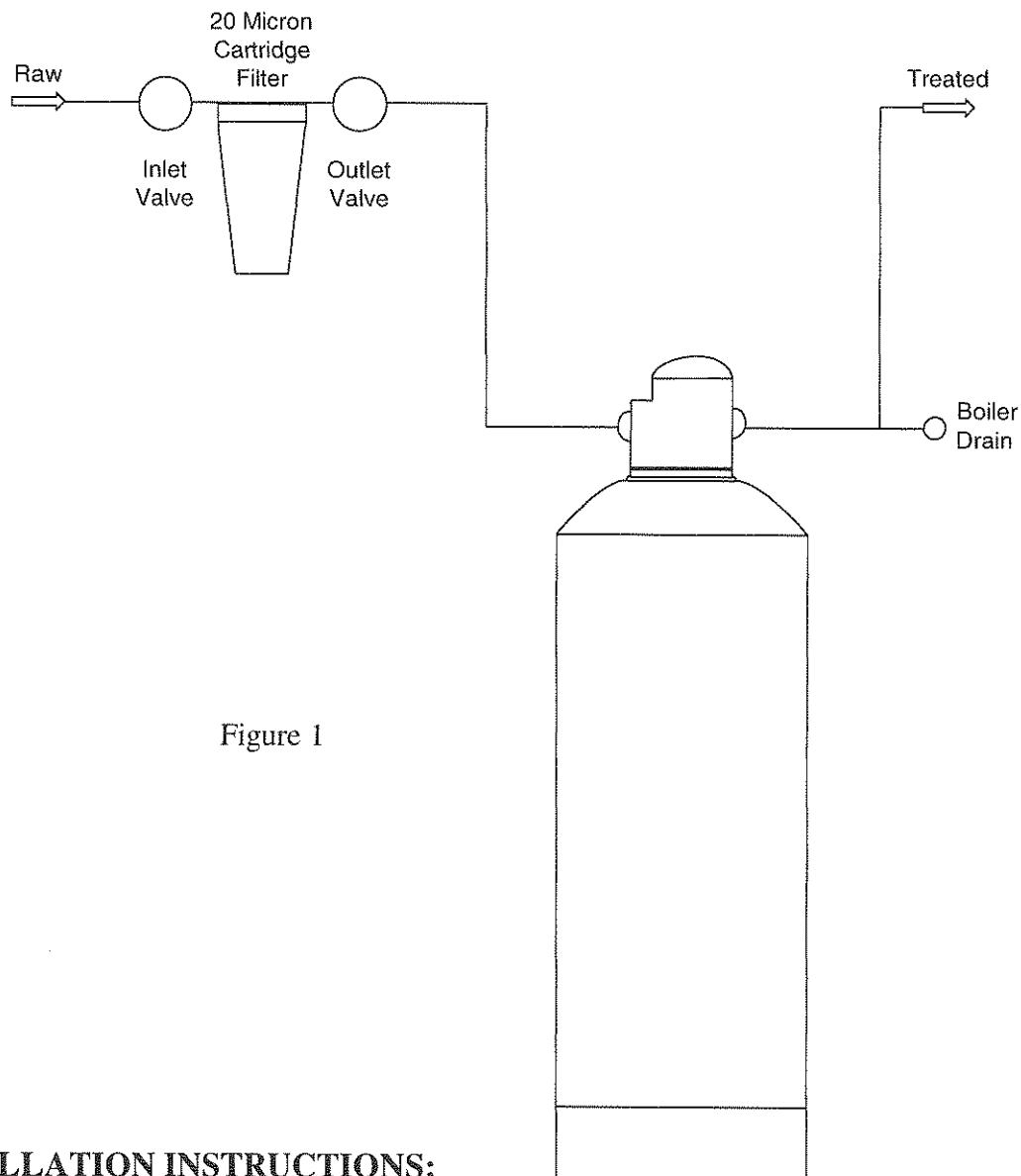


Figure 1

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.