

## **Automatic Mega Char Installation Instructions F11 FTC Valve:**

### **1. Location of mega char**

It should be in a protected dry, level and non-freezing area make sure you connect the mega char on the main water lines you will need a standard electrical plug as well as a drain connection close by

### **2. Assembly of mega char**

1. The distributor tube should be placed in the fiberglass vessel with the distributor basket end down. Turn the tube a couple times to make sure that the bottom basket seats properly in the bottom of the tank. The top of the distributor tube should be level with the top of the fiberglass vessel. Make sure the distributor tube is in the tank BEFORE YOU ADD THE MEDIA!
2. Place the mega char shown above where you want to connect it to your water line because it will be heavy and difficult to move after the media is added. Cover the open upper end of the distributor tube with tape or a cap as shown below to keep any media from falling into the distributor tube. Place a funnel into opening of the fiberglass vessel and slowly pour the media into the vessel. Remove the tape after you have filled the vessel.
3. The control valve head can now be screwed onto the vessel. Firstly fit the top distributor onto the head. Make sure that the large O-ring is in place, and lubricated. Also lubricate the O-ring on the inside of the head where the distributor tube will be inserted. As you start to screw the control valve onto the tank, make sure the hole in the center of the control valve fits over the distributor tube. The control valve should be hand tightened clockwise, snug and tight to eliminate a possible leak.

### **3. Installation of mega char**

1. Connect the main water line so that all the water runs through the mega char. The inlet and outlet of the softener is indicated by arrows on the side of the head. The arrow pointing towards the head is the inlet and the arrow pointing away from the head is the outlet.
2. Connect the mega char to a drain for the backwashing cycles. This should be no longer than 7 meters from the mega char. You will need to purchase a normal flexible 15mm garden hose pipe and a small clamp to hold the pipe over the fitting. This backwashing drain line will be under high pressure when the backwash cycle is working. Make sure the drain line is secured. The drain line will need to drain into a drain, which should be a minimum of 40mm and be below the top of the head of your softener. Never connect the drain line directly into a drain. Allow an air-gap between the drain line and waste line to prevent possibility of back-siphoning. Below is a picture of where on the F11 head the drain line should be connected to.
3. Connect the electrical wire to a 220V plug.

#### 4. Programming of F11-FTC head

1. Set the time of day first. This is done by pressing in the white button at 9 O 'clock on the head and turning the outside wheel on the head. After you have set the time you can turn on the power.
2. Turn the dial with numbers marked 1 to 12 until the red pointer is on day one.
3. The 12 pins represent a 12 day cycle and you can set the amount of times you want the mega char to go through a backwash and rinse cycle by the number of pins pulled outwards. It is recommended that for most households with municipal water that the mega char goes through a backwash and rinse cycle once or twice in the 12 day cycle.

#### 5. Initial power up procedure

1. Turn the manual regeneration knob of the head that is in the IN SERV position until it is in the Backwash position. Please note that the manual regeneration knob should never be turned anti clockwise. Open the water SLOWLY and let the fiberglass vessel fill completely until the air has been released out of the vessel and the water is flowing steadily out of the backwash line. Then open the water the rest of the way.
2. The backwash cycle will now run automatically. The backwash and rinse process can take a couple of hours to complete.
3. Check for any leaks during this initial backwash process.