HOUSEPURÉ® HP01 & HP02
Installation, Startup and Troubleshooting Guide
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**KDF MediaGuard**
Removes Chlorine and extends the life of the Activated Carbon.

**Premium Granular Activated Carbon**
Removes taste, odors and THM's.

**ScaleFree Water Conditioner**
Reduces Hard Water Scaling.

**Installation Parts**

- Bypass Elbow
- Bypass Valve
- Plastic Yoke
Connection Overview

Outlet: 1" NPT (To water heater and prefilter inlet)
Inlet: 1" NPT (From domestic water source)

Drain: 1/2" hose (To indirect drain (4 gpm))

Electrical Requirements
Power supply 110VAC, 60HZ, 2A

Plumbing Requirements
Inlet connection 1" NPT
Inlet pressure 20 psi min., 125 psi max.
Max Temperature 110°F
Outlet connection 1" sweat
Drain connection 1/2" ID hose
Drain flow 4 gpm max.

Filter Specifications
Control valve Fleck HP2510 SE
Media tank 10" diameter x 54" tall
Media volume 1.5 cubic foot per tank
Assembling the Filter - basic connections

1. a. Remove the tank from the box.
b. Place the tank on a level surface near the final installation position.
c. Place the tank within 8 feet of a 110VAC outlet and within 10 feet of a drain.

2. a. Remove the package of components, parts and tubing from the box.
b. Install the bypass valve onto the control valve assembly as shown above.

3. a. Attach the plastic yoke to the bypass valve.
b. Connect the pipes to the 1” male NPT fittings on the plastic yoke.

4. a. Secure the piping to the wall or other structure. The valve must not be used to support the weight of the pipes.
b. Install a barb fitting in the drain port. Connect a 1/2” ID hose to the barb fitting and run it to the drain. Provide an airgap where the drain line connects to the drain. Secure the drain line connection.
Plug the transformer into an unswitched 110VAC outlet. Secure the transformer to the outlet with the screw provided.

a. Connect bell, thermostat or sprinkler wire, (2 conductor, solid) to the screw terminals on the transformer.
b. Connect the wire from the transformer to the blue wire and white wire (located behind the electronic control panel, using wire nuts or crimp connectors.

When powered up, the controller display will display the Time Of Day. To Set the time:
a. Press the UP or DOWN arrow button to change the time displayed.
b. When the correct time is reached, release the UP or DOWN arrow button.

NOTE:
The valve is fully programmed at the factory for backwash frequency, duration and time of day. The system is now ready to be filled with water and backwashed.

CAUTION:
Read the following instructions carefully first. The start-up procedure must be followed correctly to ensure the best performance from the system and to prevent any possible problems.

DO NOT OPEN THE INLET WATER SUPPLY VALVE UNTIL INSTRUCTED TO DO SO!
Filter Start-Up - Tank Fill and Initial BackWash

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Bypass Valve in Bypass Position

Put the Bypass Valve in the Bypass Position:

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Cycle the valve to Cycle 3, Rapid Rinse.

a. Press and Hold the Cycle button for about 5 seconds until the valve activates. The Valve will stop at Cycle 1 (Backwash)
b. Press the Cycle button to advance to Cycle 3, Rapid Rinse.

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Inlet Valve

a. Slowly open the main water supply valve. Flush the piping for a few minutes.
b. After flushing the pipes, slowly open the inlet valve on the bypass valve. Allow the tank to fill slowly. Continue filling slowly until a clear, steady stream comes out of the drain line then close the inlet valve on the bypass.

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a. Press the Cycle button once to return to the Service position.
b. Let the system stand for 15 to 20 minutes to allow the media to absorb the water.
a. Open the Inlet Valve on the Bypass.
b. Press and hold the Cycle button to put the valve into Backwash.

a. Allow the system to backwash until the drain runs clear or until the end of the backwash cycle, whichever comes first.
b. Press the Cycle button to advance the valve to the Rapid Rinse position. (The valve will advance automatically after 9 minutes of Backwash.)

a. Monitor the water flowing to drain during Rapid Rinse. You want to be sure that the water is clear. Capture some water in a glass and inspect it to ensure that there are no black particles.
b. Once the water is clear, you can advance the valve to the service position.

a. If the water is not clear at the end of the Rapid Rinse cycle, put the system in Backwash again by pressing and holding the cycle button. Repeat steps 21 and 22 until the water runs clear during Rapid Rinse.
a. Cycle valve to the Service Position

b. Go into the home and open cold water taps throughout the home to flush out any air bubbles and fill the pipes with treated water.

a. Open the Outlet Valve on the Bypass. (The illustration above shows the bypass valve in the Service Position with both valves open.)

a. Check the system for leaks. Correct if necessary.