



10 Simple Steps to Easy Filter Installation.

- 1) Place filter body on a level hard surface. We recommend pouring a small cement pad.
- 2) Attach the valve head to the filter body. Hand tighten unions and add one box of beads to filter to make filter more stable during installation.
- 3) Adjust the position of the filter to create the easiest connection of the pipes to and from your pond.
- 4) Cement the one way valve in line between the pump and the filter if the filter is below water level or between the pump and the pond if the filter is above water level. (Note: make sure the arrow on the one way valve is aligned on the top and is pointing in the direction of the water flow.)
- 5) Connect the pipe coming from the pump to the filter at the opening on the valve head marked "TO PUMP".
- 6) Connect the pipe returning to your pond to the opening on the valve head marked "RETURN". If you have an ultraviolet light, it should be installed after the filter.
- 7) Connect a pipe from the opening on the valve head marked "TO WASTE" to a pipe leading to an appropriate area to dispose of your waste water. This can vary from your garden to a sewer line. Do not use any pipe less than 2" in diameter. This pipe, if more than 25 feet, should be a gradual slope down hill. Blower on filter will over heat if waste line goes up hill.
- 8) Pour the rest of the beads into the filter (make sure the upper lateral inside the filter is as close to center of filter opening as possible) and then screw the "top cap" onto the filter. Tighten the cap down with the enclosed plastic "top cap wrench".
- 9) Install the blower on the 2" ball/check valve extending up from the valve head. Secure by hand tightening union. Connect the electrical to the blower. We recommend that you have a competent electrician hard wire it to a GFCI switch.
- 10) Place control valve to the "Filter" position and turn on your pump. When water begins to flow through filter, check for any leaks. If you have no leaks, congratulations, you did it.