

Cleaning

Cleaning should be weekly and should result in removing 10% of the pond water.

Turn Three Way Valve for input from Bottom Drain.

With pump running in filter mode open top challenger vent to remove all air.

Note, if there is air in the Challenger you may flush some bio beads down the drain when you open the bottom drain.

Then open challenger bottom drain until water is clear in Drain Sight Glass (DSG).

Clean Pump Filter Basket.

Clean Turbo Vortex Filter (on the right)

Pump off

Beed Filter (on the left) Multiport Valve Closed

Open Turbo Vortex Discharge Valve

Set Turbo Vortex multiport valve to Backwash

Pump High until (DSG) is clear

Pump off

Close Turbo Vortex Discharge Valve

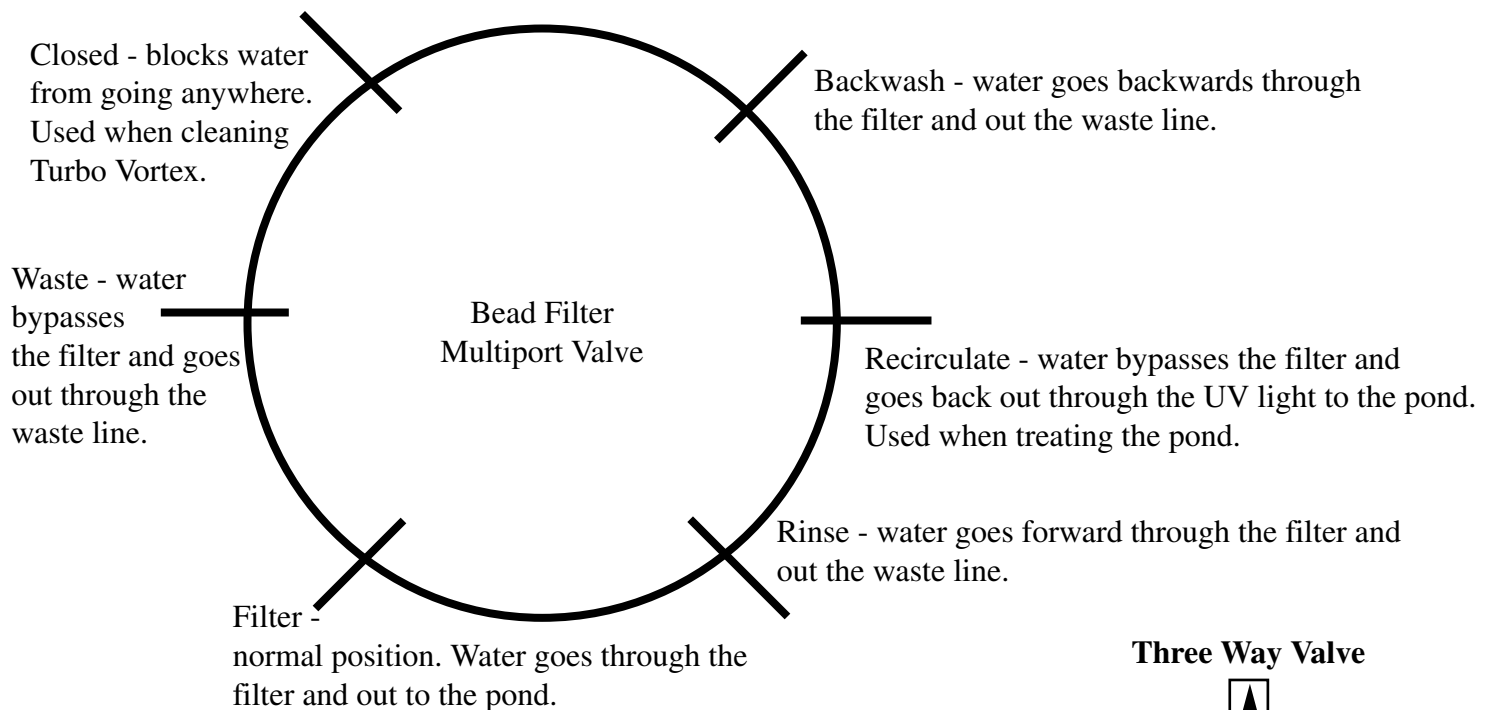
Set Turbo Vortex multiport valve to Filter

Clean Bead Filter (on the left)

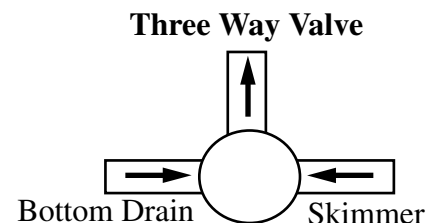
Pump	Blower	Multiport Valve	Time
off	on	Rinse	2 minutes (until water stops in DSG)
high	off	Waste	Until pump has good prime
high	off	Backwash	Until DSG is clear
high	off	Rinse	Until DSG is clear
low	off	Filter	

Bleed air from both top of beed filter and output of UV light.

After pond is full turn Three Way Valve for input from Skimmer.



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July 12, 2000 - Purchased Challenger 60 Ultimate System which includes, Bead Filter Challenger 60 with blower, Turbo Vortex, Optima UV-10 Light, 1 horsepower 2 speed pinnacle pump 110V. Input and Output 2" Sch. 40 pipe.