



## MULTI-PORT VALVE FUNCTIONS

**FILTER** Normal operation is in Filter mode. Water enters the filter at the top travels thru the media bed, enters the diffuser head located at the bottom, flows upward in the center pipe, exits the multi-port valve, and returns to the pond.

**RINSE** After backwash, Rinse mode allows any suspended particles to be flushed out. Water enters at the top of filter, travels thru the media bed, enters the diffuser head located at the bottom, flows upward in the center pipe, exits the multi-port valve and to the waste line.

**RECIRCULATE** This mode is used when medicating the pond or just recirculate the water back to the pond. Water does not enter the filter area by-passing the filter media.

**BACKWASH** Cleaning the filter. Water enters at the top, travels to the diffuser head located at the bottom of filter via the center pipe. Spiral water jets form at the diffuser head unpack and agitate the media bed, send dirty water to the top, thru the multi-port valve and out to the waste line.

**CLOSE** In/out ports are closed. No water can enter or exit the filter.

**WINTER** In/out ports are partially open, allow air to enter the filter. When the drain cap at the bottom of filter is removed. It allows water to drain out of filter for winterizing. Use this mode when the entire filtration, pumps, UV, etc... are shut down for the winter.

**WASTE** Send pond water directly to the waste line. This mode is used when large amount of water is removed from the pond. Also used when do water changes, or drain out the pond.