The principle behind bead filtration has been around for a while and several bead filters have been developed over recent years. The main problem with most bead filters is that due to the compact size and complex multiport valves (which are required for backwashing) they require a pump with a high running pressure (and a high running cost!).

The unique design of the Superbead filter allows the backwash cycle to operate with no reversed flows or additional air blowers to agitate the beads. The whole backwash cycle and bead movement is performed using gravity only (no power used at all) and is very effective.

**The backwash cycle**

1. The main pump is switched off, waste valve opened and the water begins to drain out causing a vacuum and sucking air in.

2. After 4-5 mins all of the water has drained out leaving the bead media surrounded by air/oxygen which is capable of keeping the filter bacteria alive for up to 30hrs.

3. Once the superbead has completely drained of water and debris the waste valve is closed and the main pump is switched on to resume filtration.

**Technical specification**

- Height: 1500mm
- Diameter: 750mm
- Beads: 75kgs
- Max Pond: 11000 gals
- Max Flow: 5000 gph
- In / Out: 4” / 3” / 2”

The backwash cycle can be made fully automatic by using an automatic ball valve and control unit. (filter must be positioned above water line for this).

**LOW PRESSURE... LOW WATTAGE... LOW RUNNING COST!**