

The Fish Vet's Ultimate Aquaponics Setup





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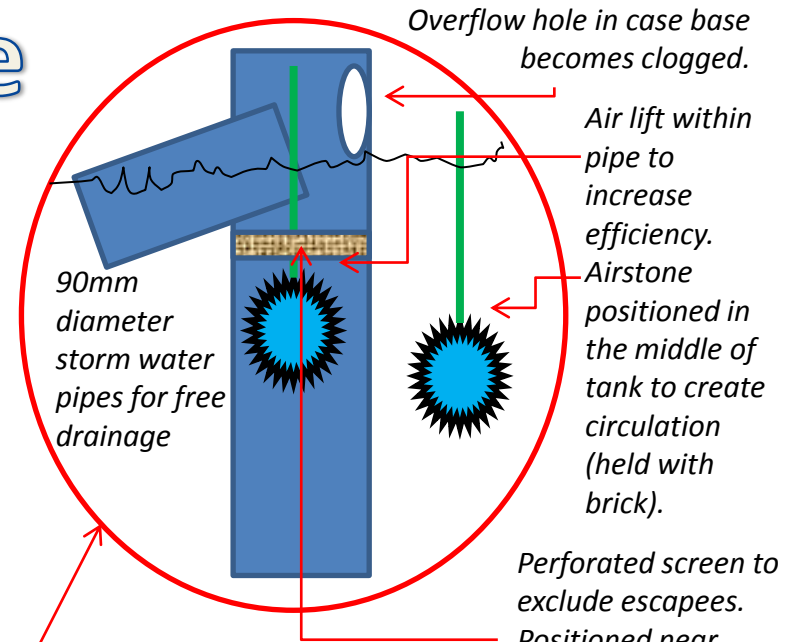
Initial design: 30th December 2011

Last update: 16th January 2013

UV positioned to create "isolated" systems downstream in terms of disinfecting pathogens.

KEY

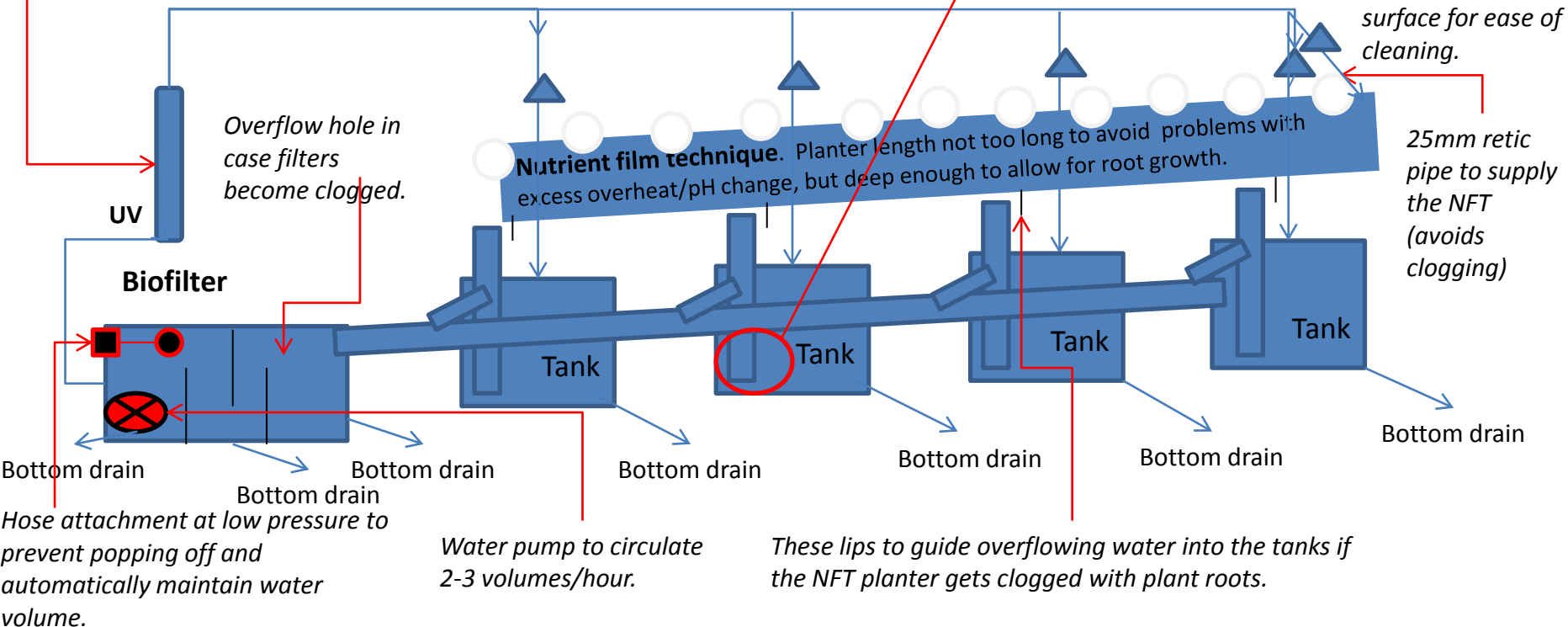
-  Water pump
-  Airstone
-  Tap
-  Float valve



Overflow hole in case filters become clogged.

Nutrient film technique. Planter length not too long to avoid problems with excess overheat/pH change, but deep enough to allow for root growth.

25mm retic pipe to supply the NFT (avoids clogging)



Materials

- 90mm stormwater related materials

- N type cement & priming fluid
- 5 x L joints
- 3 x 6m stormwater pipes
- 5 x end caps
- 4 x 45° T-joints

- Big purchase items

- 4 x caged tanks (1kL)
- 1 x filter box
- Filter material
- 1 x water pump (~9kL/h)
- 1 x UV steriliser unit

- Tools

- Caulk gun
- Pliers
- Jig saw & hacksaw
- Drill & hole saw (90mm & 70mm)

- 25mm reticulation related materials

- 4 x taps
- 3 x T joints
- 2 x L joints
- One roll of 25mm hosing
- 20 x clamps
- 1 x end cap
- 4mm connectors

- Misc. items

- 1 x reticulation hose
- 1 x float valve
- 1 x Silicone
- 8 x air stones
- 6mm airline tubing
- Gutter guard plastic mesh
- Cable ties
- Outdoor powerpoint
- Rags, fine sand paper