Basic aquaponics setup

type 1: basic growbed setup

- very simple setup
- when digging in the fishtank, growbeds can be positioned low

benefits:
- fluctuating water levels in fish tank
- pump pumps dirty water

disadvantages:
- with cold water fish, it is advised to place the fish tank in the ground (not isolated) and to work in open air
- with warm water fish, it is recommended to work in a isolated room or greenhouse

remarks:
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**Type 2: Fish tank above grow bed**

**Benefits:**
- Water level in fish tank remains stable.
- Well suited when tanks cannot be placed in the ground.
- When digging in the sump tank, grow beds can be positioned low.

**Disadvantages:**
- When sump cannot be in the ground, grow beds positioned higher.
- Sump tank needed.

**Remarks:**
- Tube outlet of the fish tank can also be drilled through the side. It is recommended to place an internal pipe to suck bottom water.
- Make sure the drain level (which determines the tanks water level) is below the tanks edge: the water level will rise above drain level to build up pressure.
- With cold water fish, it is advised to place the fish tank in a cool place.
- With warm water fish, it is recommended to work in an isolated room or greenhouse.