

Buy or build

The right glass vivarium



Apply double ventilation strips on top with gauze for the use of small ventilators

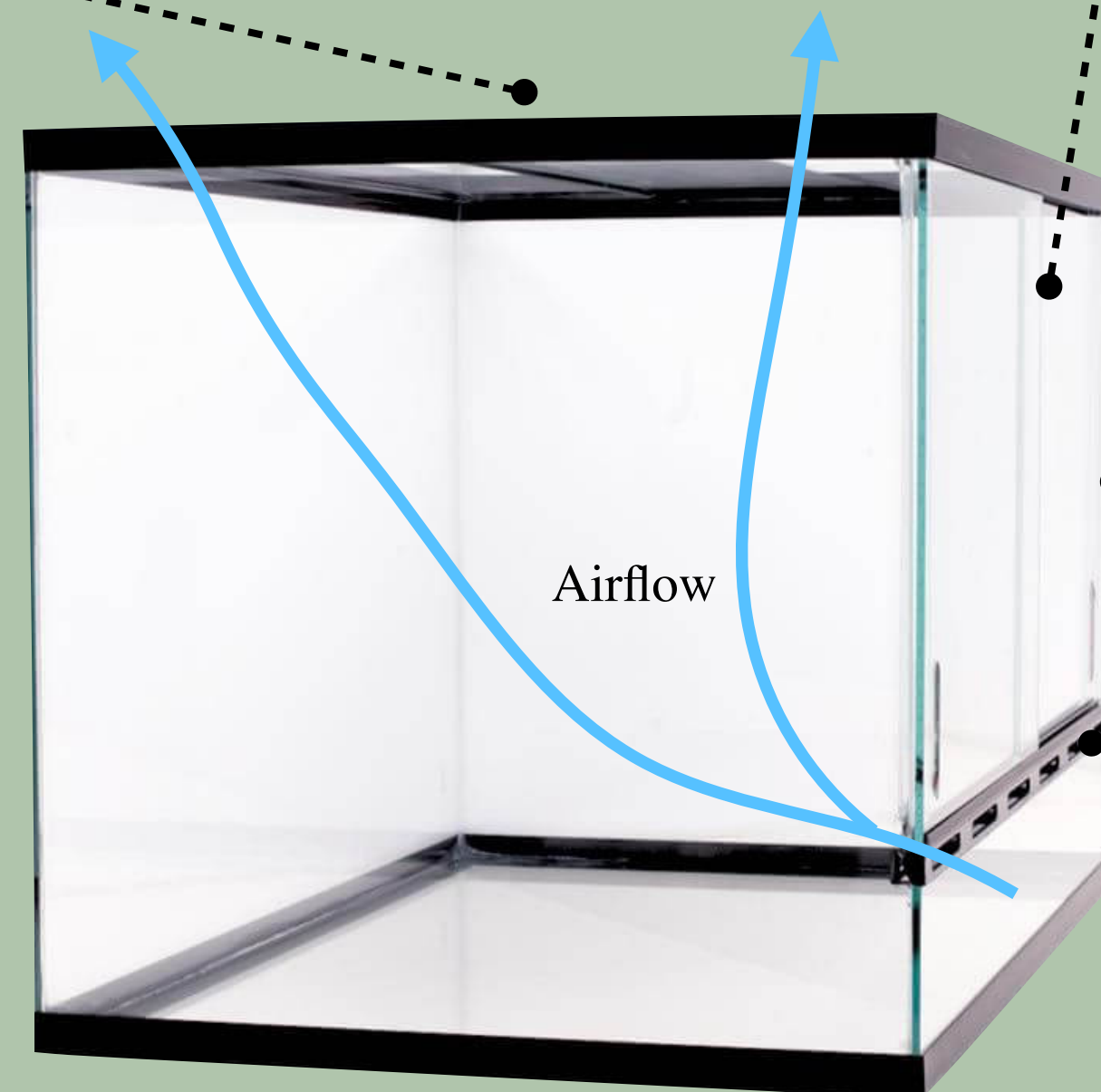
Leave enough space on the glass top for placing a light unit



Use a silicone strip to prevent the escape of fruit flies



Apply glass slider profile sideways to prevent the escape of fruit flies



Use front ventilation for creating healthy airflow to prevent damp glass all day

Apply a back wall

Create your vivarium theme



Glue fake rocks, plastic planters, branches and fern root panels with silicone glue



Use scaping foam to cover all planters and glass.
Wait for 24 hours to dry



Modify the foam with knife and wire brush to your preference



Use Elastopur to cover the foam.
Apply fern root grit to glue on the Elastopur.
Wait again for 24 hour



Prepare a false bottom

Create a drainage layer



Use pond filter foam 3-5 cm to create a drainage layer for the moisture and water in your vivarium



Fine Pine bark
(1-2 cm)



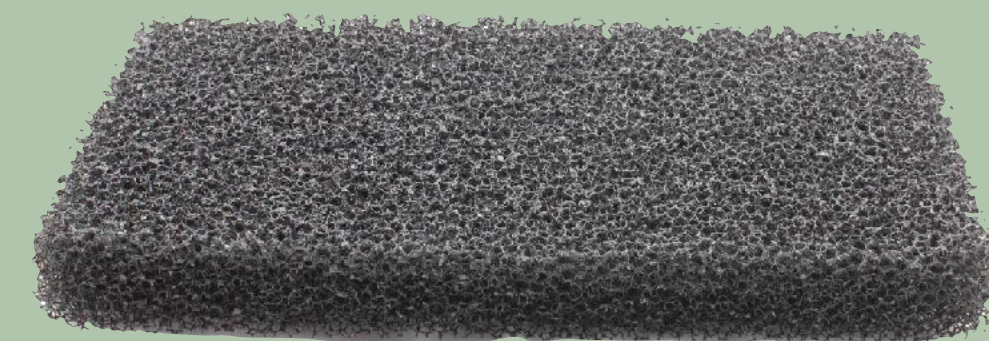
Aquarium gravel
small (3-10 mm)



Dried Tropical leaves (or Oak
leaves)



Cover the foam with a layer of gravel (about 1 cm). Use a layer of pine bark on places where you want plants to root and grow. Cover the bottom with a thick (1-3 cm) layer of leaves



Pond filter foam

Install the technology

Install proper lighting, ventilation and misting system



Choose your LED system and place on top of your Vivarium

Modern features are:

Full spectrum lighting with wavelengths which are favourable for plant growth

Automatic dimming schedules to create a sunrise and sunset cycle

Wifi controlling of your lights with an app on your mobile phone

Small ventilators on top of the gauze



Pump and water barrel



Timer



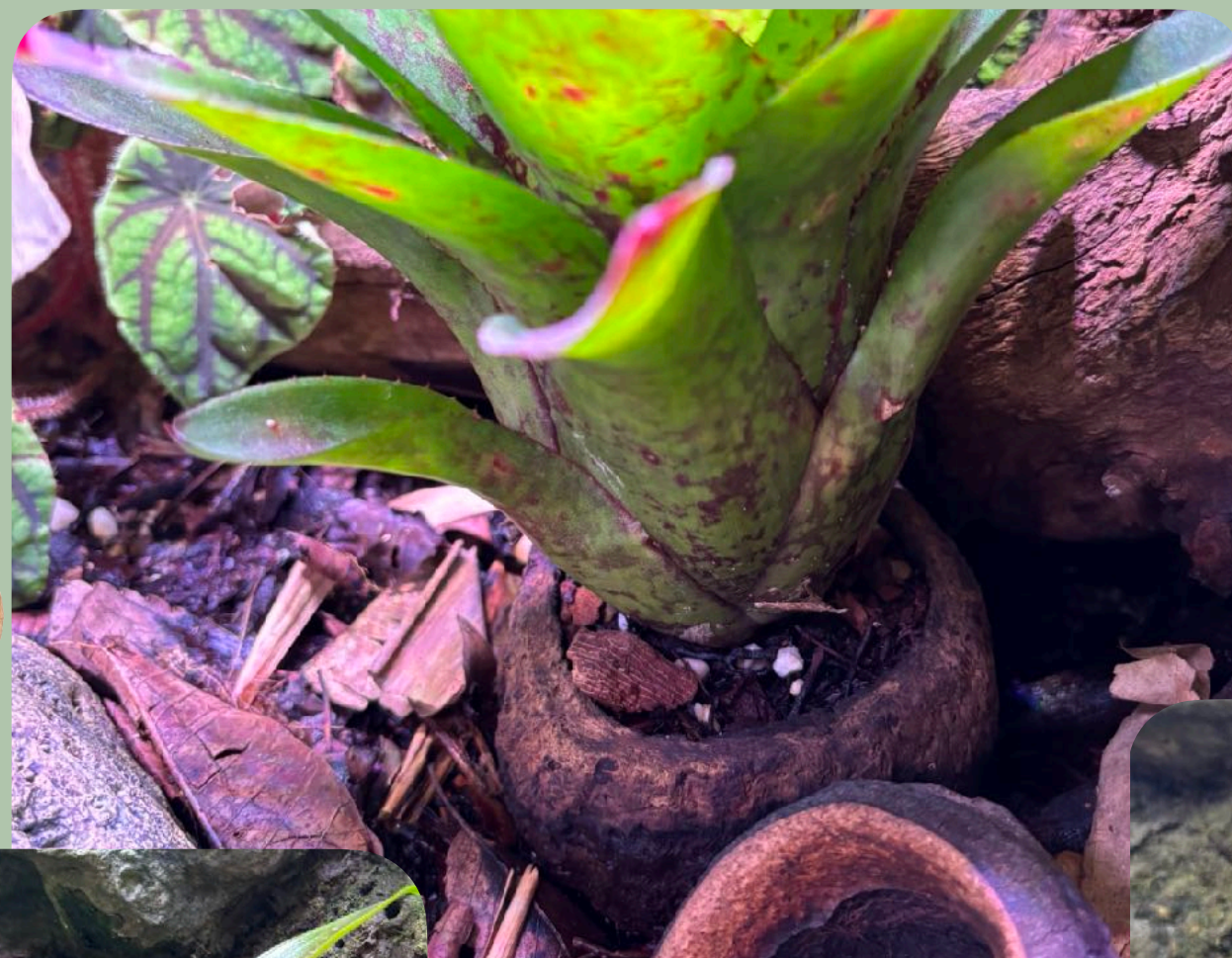
Misting nozzles

Decorate and plant your vivarium

Water holding plants are mandatory



Bromelia with sphagnum



Large Bromelia in coconut planter filled with orchid substrate



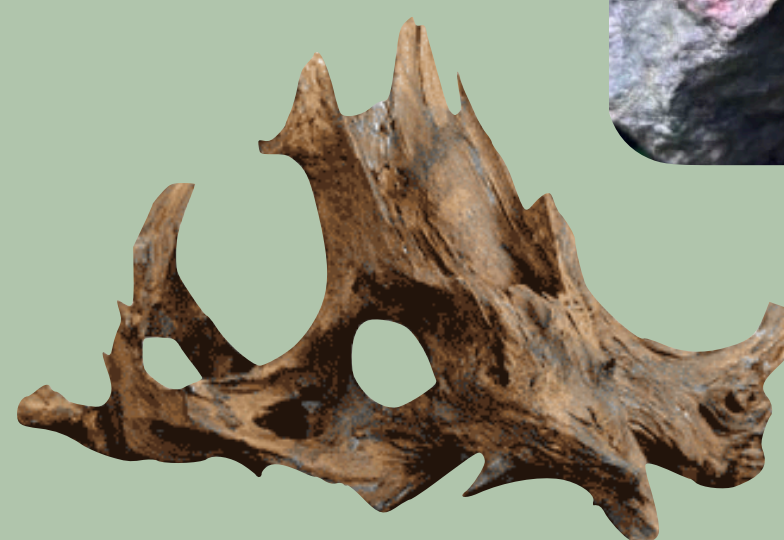
Removable Bromelia with sphagnum to collect tadpoles from within



Lots of climbers and large leaf plants to climb on



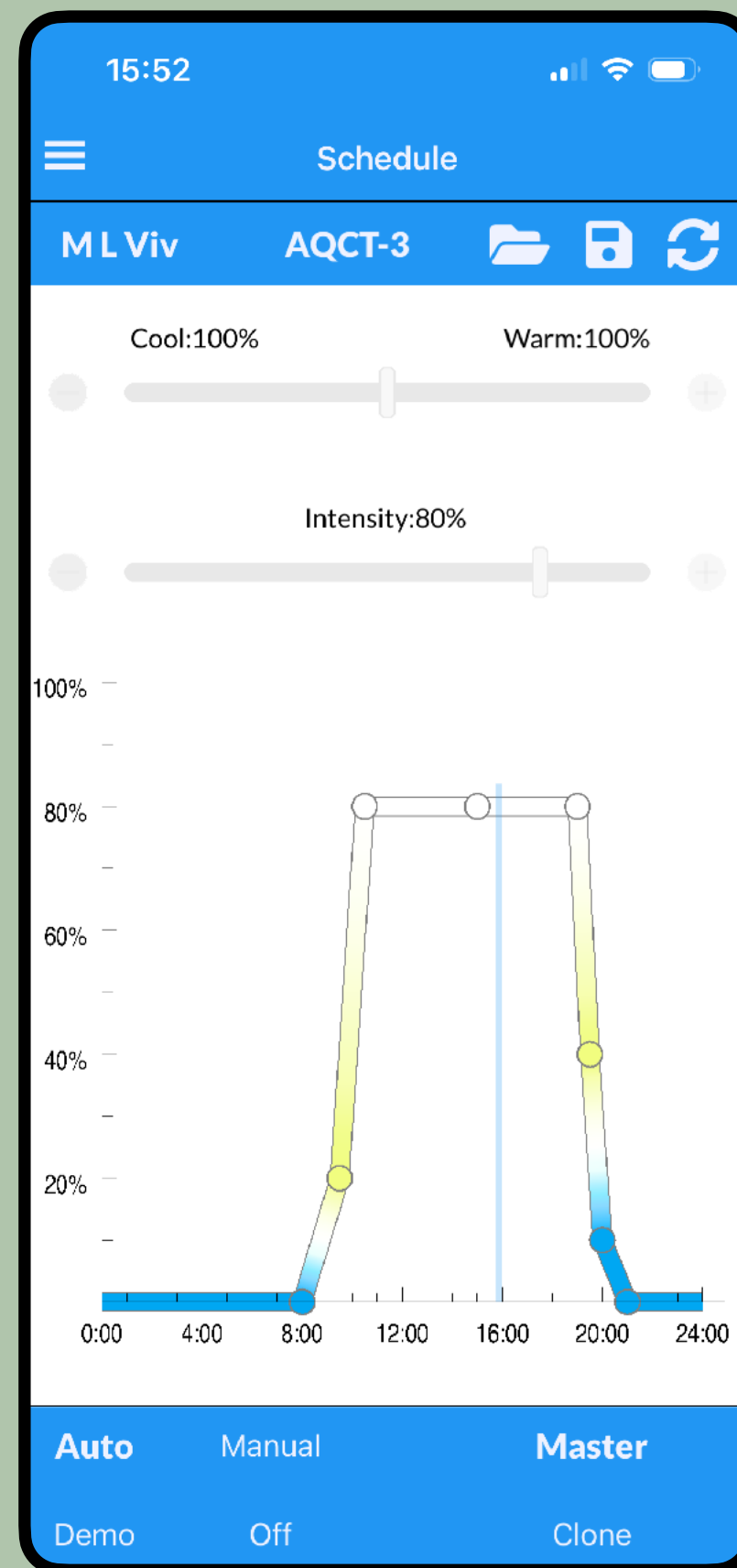
Tillandsia



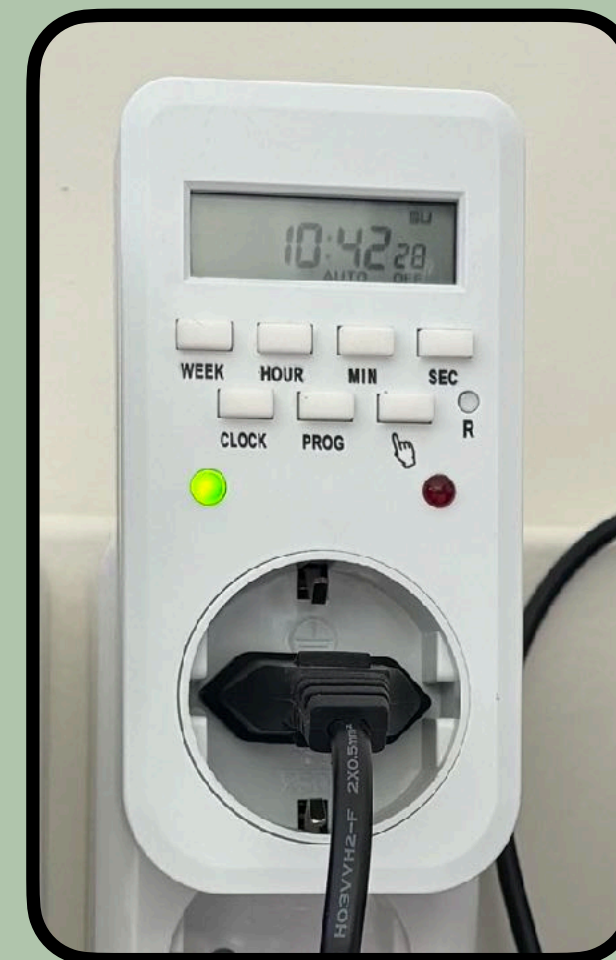
Don't forget the clean up crew

Schedule your vivarium day

Light schedule, misting cycle, ventilation interval



12 hour light cycle with sunrise and sunset



2 misting cycles a day (dry season) of 10 seconds (early morning) and 5 seconds (evening)

3 misting cycles a day (wet season) with an extra cycle of 5 seconds mid day



Ventilation scheme to create a damp morning, dry mid day and damp night

