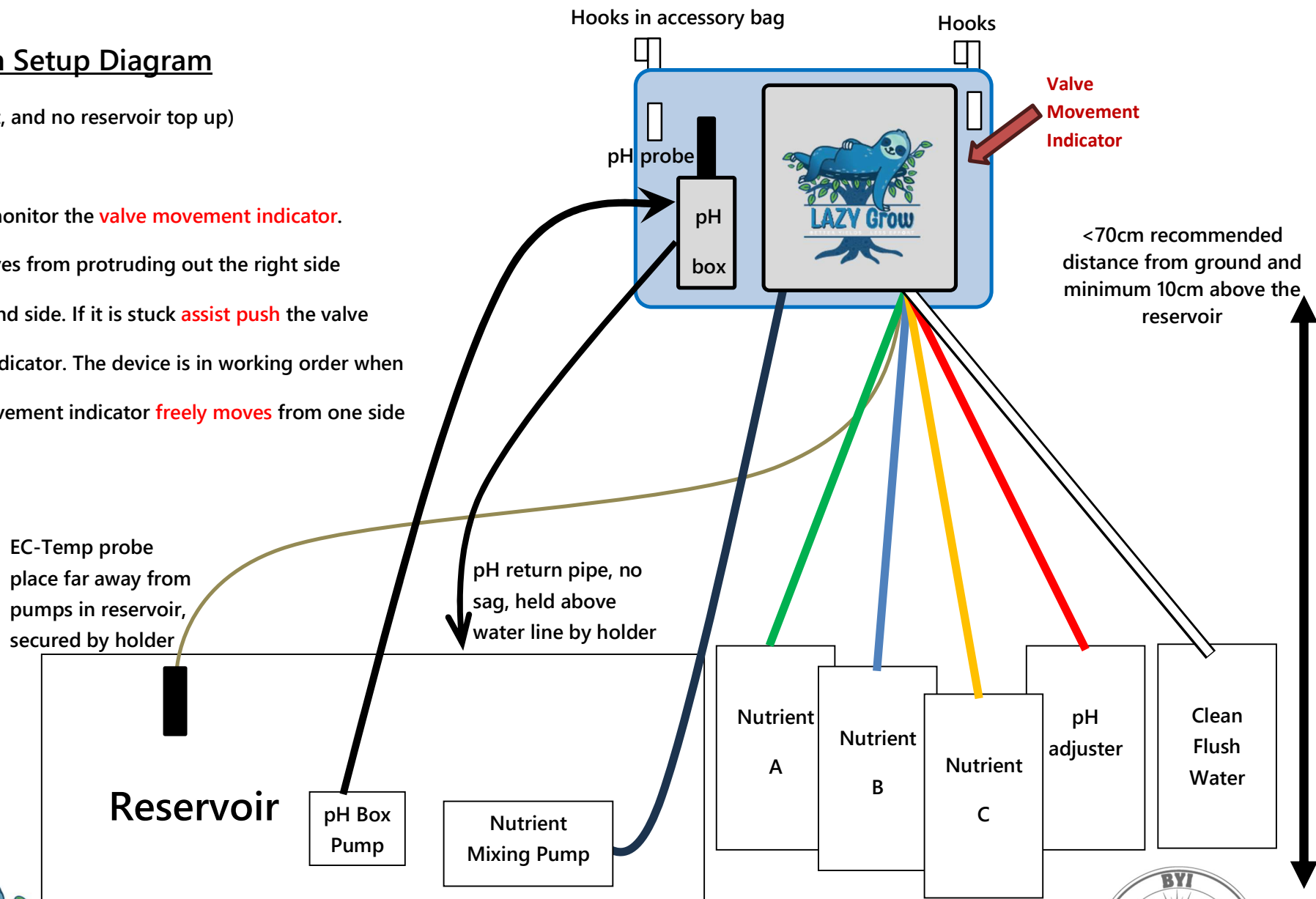


Minimum Setup Diagram

(no water out, and no reservoir top up)

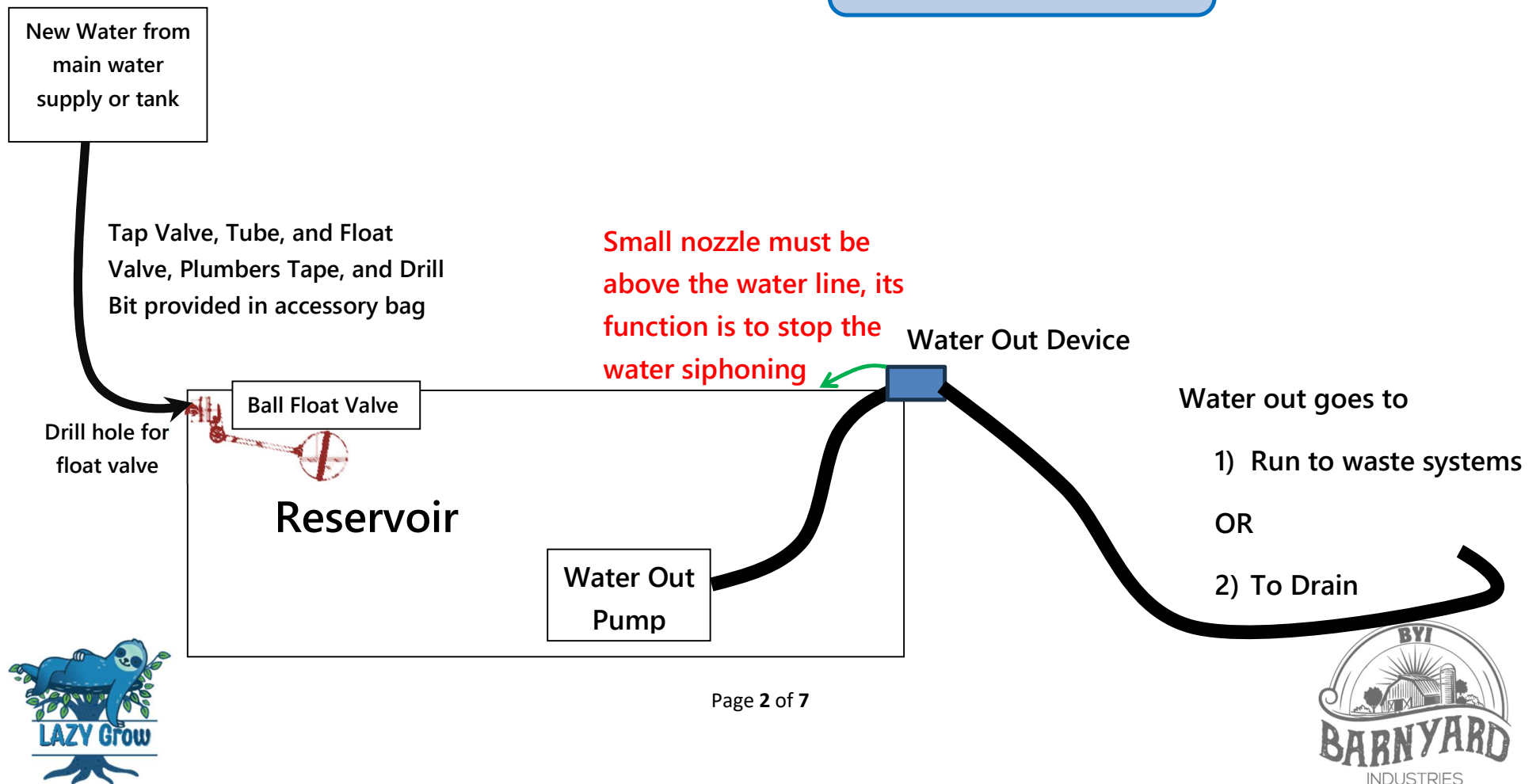
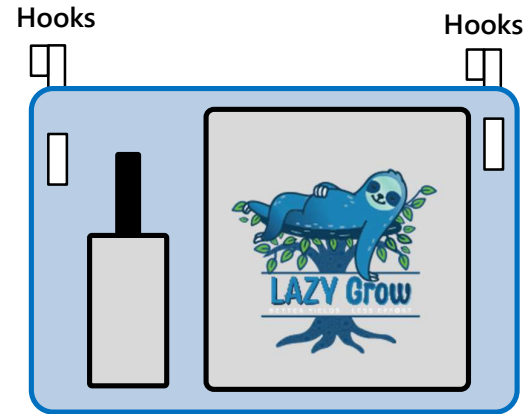
On startup, monitor the **valve movement indicator**. Ensure it moves from protruding out the right side to the left hand side. If it is stuck **assist push** the valve movement indicator. The device is in working order when the valve movement indicator **freely moves** from one side the other.



Maximum Setup Diagram

(water out and top up functions enabled)

First - setup everything as shown in the minimum setup diagram on the previous page



WiFi Connection

WARNING: Wait 2 minutes after powering the unit. Light will become green then you can login

Step 1a: Phone - click the "Setting" 

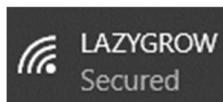
then click the "WLAN" or "WiFi" 

Step 1b: Computer - click the internet symbol 

found in the bottom right corner of the screen



Step 2: Click the LAZYGROW network



Enter the default Security Password: 12345678

Step 3: Open a web browser (Chrome/FireFox/Edge/Opera/Safari)

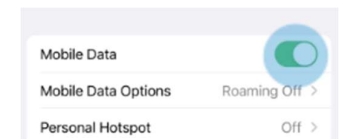
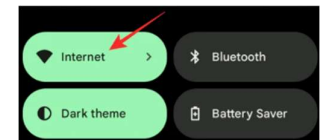


Step 4: Type the following IP address 192.168.8.88 and press ENTER/DONE/GO:



Troubleshooting

- **Turn off your internet** by either turning off your mobile connection, or turn airplane mode on, then reactivate your WiFi
- If problems still persist go back to Step 1 and check where the WiFi is connecting. Turn-off 'auto-connect' to other devices and try again.



Operational Notes

EC/TDS probe (range 0.1 – 5.0EC / 50 – 2500TDS)

Very low readings (~0.1EC / 50TDS or lower) will make LazyGrow detect the probe is out of the water. If using demineralised water or very clean water, you may need to add a little of each nutrient to kickstart the nutrient additions and pH adjustments.

Very high or low EC/TDS readings, will give an alarm after a period of time.

pH adjustment additions

These occurs every second hour:

- pH measurement happens ~50 minutes, before adjustment
- pH adjustment at ~50 minutes

Then no additions for the following hour to allow recirculation and mixing of your system.

If over adjustment occurs, lower your pH adjustment amount in reservoir system data.

Nutrient additions

These occurs every second hour:

- Nutrient A at ~5 minutes
- Nutrient B at ~10 minutes
- Nutrient C at ~15 minutes

Then no additions for the following hour to allow recirculation and mixing of your system.

Each nutrient is added with the ratio given in your Growth Stage. You can have up to 20 growth stages.

The method of addition to achieve high addition, must use your system data. Each addition is targeting 0-25% of the requirement for the reservoir system size. When the EC/TDS is far from you target, 25% is the amount. When close to your target LazyGrow will aim to hit your target.

Overshooting/Undershooting your target EC/TDS by a small amount is most likely from the reservoir water amount being slightly different.

Overshooting/Undershooting your target EC/TDS by large amounts might be due to the nutrient strength being different.

Solution to *Overshooting* your target EC/TDS is to increase your reservoir size OR decrease the nutrient ratio in your Growth Stage.

Solution to *Undershooting* your target EC/TDS is to decrease your reservoir size OR increase the nutrient ratio in your Growth Stage.



Operational Notes

pH probe (range 2 – 12)

pH probes are very sensitive to other electrical source. LazyGrow has separated from the system reservoir to prevent pH reading errors. The added benefit of this separation is also increased the life and longevity of the pH probe. It is important that pH box water is not connected to the water in the reservoir, so the return pipe must be above the water.

Note: pH targets further away from pH 7 = shorter pH probe life.

Growth Stages 1 to 20

Growth Stages allows you to setup for the entire grow season/cycle of your plant.

- You must set each growth stage.
- If you have only 1 growth stage, input the data for GS_1 and give input duration of 365 days.
- You will need to reset the current day at the start of each crop.

Growth Stage changes occur at midnight between growth stage. At the end of the last day of the current growth stage and the start of the first new day of the next growth stage.

Run-to-Waste

The option to have run-to-waste is for your convenience.

This operates only during the ON and OFF times at evenly space times.

ON time = 7:00 and OFF time = 15:00 means: 10 hours

5 number of times over 10 hours means: Run-to-waste event occurs every 2 hours

The amount of water removed is equal to the percentage of the reservoir divided by the number time you want to run-to-waste.

10% of reservoir means: 100L reservoir x 10% = 10L per day run-to-waste

5 number of times means: 10L / 5 = 2L per run-to-waste event

Water Out

The Water Out feature of the Growth Stage is for your convenience and will operate as you set. This operates at any time of the day and can be used in interesting ways, like:

- Empty the reservoir before a new growth stage
- Periodic replacement of the reservoir every few days or several days
- A single nightly run-to-waste cycle

Use it, however you like.



Read - **only if** you want to personalise the Wifi name and Password

WARNING: All details must be entered *within 2 minutes* of powering the unit

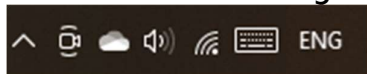
If you have powered the LazyGrow unit, turn it OFF for 10 seconds then back ON. While the Light is **red** and/or **blue** then you can logon and customise the WiFi name and password

Step 1a: Phone - click the "Setting" 

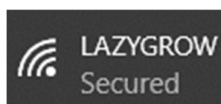
then click the "WLAN" or "WiFi" 

Step 1b: Computer - click the internet symbol 

found in the bottom right corner of the screen



Step 2: Click the LAZYGROW network



Enter the default Security Password: 12345678

Step 3: Open a web browser (Chrome/FireFox/Edge/Opera/Safari)



Step 4: Type the following IP address 192.168.5.55 and press ENTER/DONE/GO:



Step 5: Type in your own WiFi name and password. Password must be 8 characters

Step 6: Once new WiFi name and password completed successfully, wait for the light to go green and connect to your new WiFi name

Troubleshooting

- **Turn off your internet** by either turning off your mobile connection, or turn airplane mode on, then reactivate your WiFi
- If there a no loading. Go back to Step 1 and check where the WiFi is connecting. Turn-off 'auto-connect' for other devices and try again.



PRODUCT & COMPANY DISCLAIMER

Your consumer rights

The goods you purchase come with guarantees that cannot be excluded under the Australian Consumer Law. If your product is faulty, broken or otherwise non-compliant with a consumer guarantee under the Australian Consumer Law please contact us as soon as possible with your name and order number and our customer care team will look after you.

Our rights

We reserve the right to refuse a return in cases where we cannot be reasonably satisfied that you purchased the product from us and where we deem damage to a product to be due to fair wear and tear, misuse, failure to use in accordance with manufacturer's instructions or failure to take reasonable care.

Liability

To the extent permitted by law, we, our directors and employees, and third parties connected to us hereby expressly exclude:

- All conditions, warranties and other terms which might otherwise be implied by statute, common law or the law of equity.
- Any liability for any direct, indirect or **consequential** loss or damage incurred by any user in connection with our website, products or services or in connection with the use, inability to use, or results of the use of our products, any websites linked to it and any materials posted on it, including, without limitation any liability for loss of income or revenue, loss or interruption of business, loss of profits or contracts, loss of anticipated savings, loss of data, loss of goodwill, wasted management or office time and for any other loss or damage of any kind, however arising and whether caused by tort (including negligence), breach of contract or otherwise, even if foreseeable.

This does not affect our liability for death or personal injury arising from our negligence, nor our liability for fraudulent misrepresentation, nor any other liability which cannot be excluded or limited under applicable law.

Without limitation to the foregoing, we acknowledge that the laws in certain jurisdictions including Australia may imply warranties and conditions or impose obligations on the supply of goods and services through or by means of our website which cannot be excluded, restricted or modified except to a limited extent. If any such laws apply, then to the fullest extent permitted by the law of the relevant jurisdiction, and in the case of Australia to the extent permitted by the Competition and Consumer Act 2010 (Cth), our liability is limited and if any liability remains it will be limited to any one or more of the following in our sole discretion:

- in the case of any goods, the replacement or repair of the goods, or the supply of equivalent goods, or the payment of the cost of repairing or replacing the goods or supplying equivalent goods; and
- in the case of any services, the supply of the services again or the payment of the cost of having the services supplied again.

Without limitation to the foregoing, you agree that in no event shall our maximum aggregate liability exceed the amount paid by you for the products in question. You agree to indemnify us, our directors, employees and representatives from and against all actions, claims, suits, demands, damages, liabilities or costs (including legal costs) arising from, or which is directly or indirectly related to the use of our website, or any other products or services accessed via our website.

