

QUICK SETUP GUIDE – FLOCCA RAIN

1.1 Install Flocca controller unit

- Hang unit on the side of the IBC with the bracket provided
- Open external door with key
- Open internal door with key and remove battery isolation strip as per instruction sheet included
- Close internal door



1.2 Solar Panel

- Set up the solar panel on top of the IBC
- Face panel north as much as possible
- Ensure no shadow on panel as this can significantly effect the solar panel efficiency (do not put panel behind bucket)
- Secure with zip ties to prevent it from moving
- Attach cable to underside of Flocca unit



1.3 Install outlet assembly

- Screw connector onto IBC
- Attach rest of assembly to connector with the camlock clamp. Secure with pins. Keep solenoid valve and elbows upright
- Open IBC valve
- Attach solenoid cable to underside of Flocca unit
- Attach flow meter cable to underside of Flocca unit



1.4 Install tipping bucket

- Set up tipping bucket on top of Flocca unit or mount on platform close to Flocca controller
- Do not screw through Flocca box, this will void your warranty
- Install the tipping bucket as close to horizontal as possible
- Attach tipping bucket cable to underside of Flocca unit



1.5 Turn on Flocca

- Open external door with key
- Turn on controller with switch next to screen

1.6 Enter time and date

- From Main Screen, go to Settings > Date Time
- Using the touch screen, enter New Date-Time and press Set
- Press Home
- It is important to enter date and time correctly so that data logs are accurate



1.7 Enter sensor and dosing settings

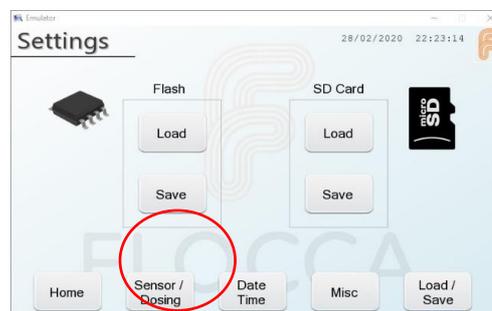
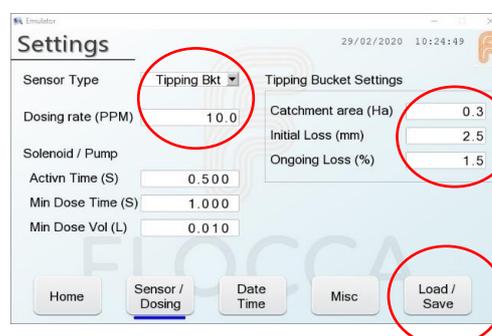
- From Main Screen, go to Settings
- Sensor Type > using the dropdown, select Tipping Bucket
- Dosing Rate (PPM) > enter value as specified by jar test or as advised by chemical supplier ⁽¹⁾
- Catchment area (Ha) > enter site catchment draining to basin
- Initial Loss (mm) > enter initial loss value - approx. 10mm ⁽²⁾
- Ongoing Loss (%) > enter ongoing loss value ⁽³⁾
- Press Load/Save – press Save under Flash (unless using SD card)
- Press Home
- Finished, your Flocca is now good to go

⁽¹⁾ **Dosing Rate** – if using ACH, this value is usually somewhere between 50 and 150

⁽²⁾ **Initial loss** – depth of rainfall required before runoff starts to basin. Typically between 0 and 20mm depending on site conditions.

⁽³⁾ **Ongoing loss** – percentage of rainfall not entering basin due to infiltration into the soil. For bulk earthworks use 5%.

If you wish to perform a test dose, refer below



1.8 Manual (test) dose

- Place measuring jug (min. 1L at outlet hose)
- From Main Screen, go to Manual/Calibrate
- Dose Fixed Volume (L) – enter 0.5L
- Press Start
- No need to press Stop, dosing will stop automatically
- This first dose will fill any voids in the outlet assembly and hose
- Return chemical to IBC and place measuring jug at outlet again
- Dose Fixed Volume (L) – enter 0.5L
- Press Start
- No need to press Stop, dosing will stop automatically
- Check that volume in jar matches fixed volume, within 10%
- Press Home
- Finished, your Flocca is now good to go

