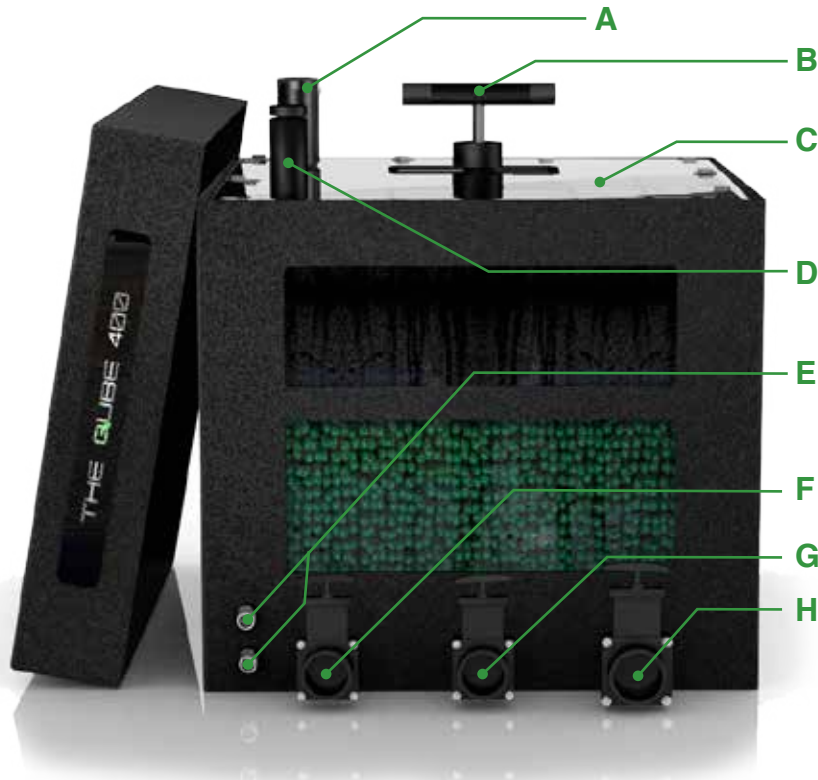


THE QUBE

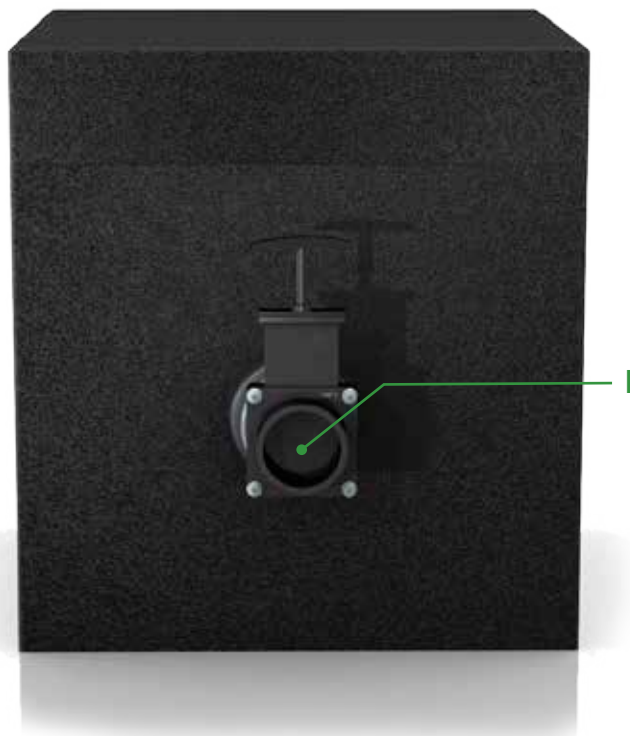
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THE QUBE 400 - USER GUIDE



KEY

- A** Mechanical Tri-Valve
- B** Sliding Handle
- C** Top Grill Plate
- D** Manual Air Release Valve
- E** Air Valves
- F** Rear Waste Water Valve
- G** Waste Water Valve
- H** Return Valve



KEY

- I** 4" Water Inlet Valve

THE QUBE 400 - USER GUIDE

Gravity Fed Filling Instructions

- 1 Open the Manual Air Release Valve located on top of the unit. **(D)**
- 2 Partially open the 4" Inlet Valve. **(I)**
- 3 When the water level rises up to the Bio-Reactor's Top Grill Plate **(C)** close the Manual Air Release Valve. **(D)**
- 4 Carry on filling the unit until the Mechanical Tri-Valve **(A)** seals itself; this happens when a small white ball appears at the top of the valve.
- 5 Fully open the 4" Inlet Valve. **(I)**
- 6 Open the Return Valve **(H)** (right hand valve)
- 7 Switch on the main water pump.



Gravity Fed Cleaning Instructions

- 1 Switch off the main water pump and close the 4" Inlet Valve **(I)** and Return Valve. **(H)**
- 2 Open the Bio-reactor Waste Water Valve **(G)** (middle valve) and allow the water level to drop to just above the Top Grill **(C)**, approximately 10 to 15mm.
- 3 Close Waste Water Valve. **(G)**
- 4 Open Manual Air Release Valve **(D)** (very important).
- 5 Pull up the Sliding Grill **(B)** via the handle on top of the unit.
- 6 Switch on your air pump (max 90 lpm) plug the airline into the bottom Air Valve **(E)**; this supplies the Bio-reactor's air cleaning system.
- 7 The Orbs media will start to bubble and rotate; this dislodges debris from the media.
- 8 After two to three minutes, drain to waste by opening the Middle Waste Valve **(G)**. Allow the water level to drop until the media stops bubbling. Close the valve
- 9 Unplug the airline (it is important to unplug the airline when refilling).
- 10 Refill the Bio-reactor by partially opening the 4" Inlet Valve **(I)**. When the water level is approximately 10 to 15mm above the grill, close the valve.

- 11 Repeat the cleaning process until the Orbs media are clean.
- 12 Once the orbs media are clean drain the water to waste **(G)**. Close the valve.
- 13 Partially open the 4" Inlet Valve **(I)**.
- 14 When the water level rises up to the Top Grill Plate **(C)**, close the Manual Air Release Valve **(D)**.
- 15 Carry on filling the unit until the Mechanical Tri-Valve **(A)** seals itself; this happens when a small white ball appears at the top of the valve.
- 16 Fully open the 4" Inlet valve. **(I)**
- 17 Open the Return Valve (right hand valve). **(H)**
- 18 Switch on the main water pump.

Rinsing the Bio-Reactor

- 1 Switch off the main water pump and close the Return Valve. **(H)**
- 2 Switch off the UV.
- 3 Open the Bio-reactor's Waste Water Valve **(G)** (middle valve) and allow the water level to drop to approximately 100mm from the bottom of the unit.
- 4 Close the Waste Water Valve. **(G)**
- 5 Open the Bio-Reactor's Manual Release Valve **(D)** (very important).
- 6 Switch on your air pump and plug the airline into the top Air Valve **(E)**. This supplies the Bio-reactor's base cleaning system.
- 7 Any build up of debris will be agitated and can then be removed to waste by opening the middle Waste Valve. **(G)**
- 8 Switch on the water pump, partially open the 4" Inlet Valve **(I)** and fill to the same level as before. Close the valve and switch off the pump.
- 9 Repeat this process until the water is visibly clear.
- 10 Switch on the water pump and partially open the 4" Inlet Valve **(I)**.
- 11 When the water level reaches the Bio-reactor's Top Grill Plate **(C)**, close the Bio-reactor's Manual Release Valve. **(D)**
- 12 The Mechanical Tri-Valve **(A)** will seal itself.
- 13 Finally, open the Return Valve **(H)** until the desired flow rate is achieved.

