

Nutrition tank and dosing pump For Irrigation unit type I

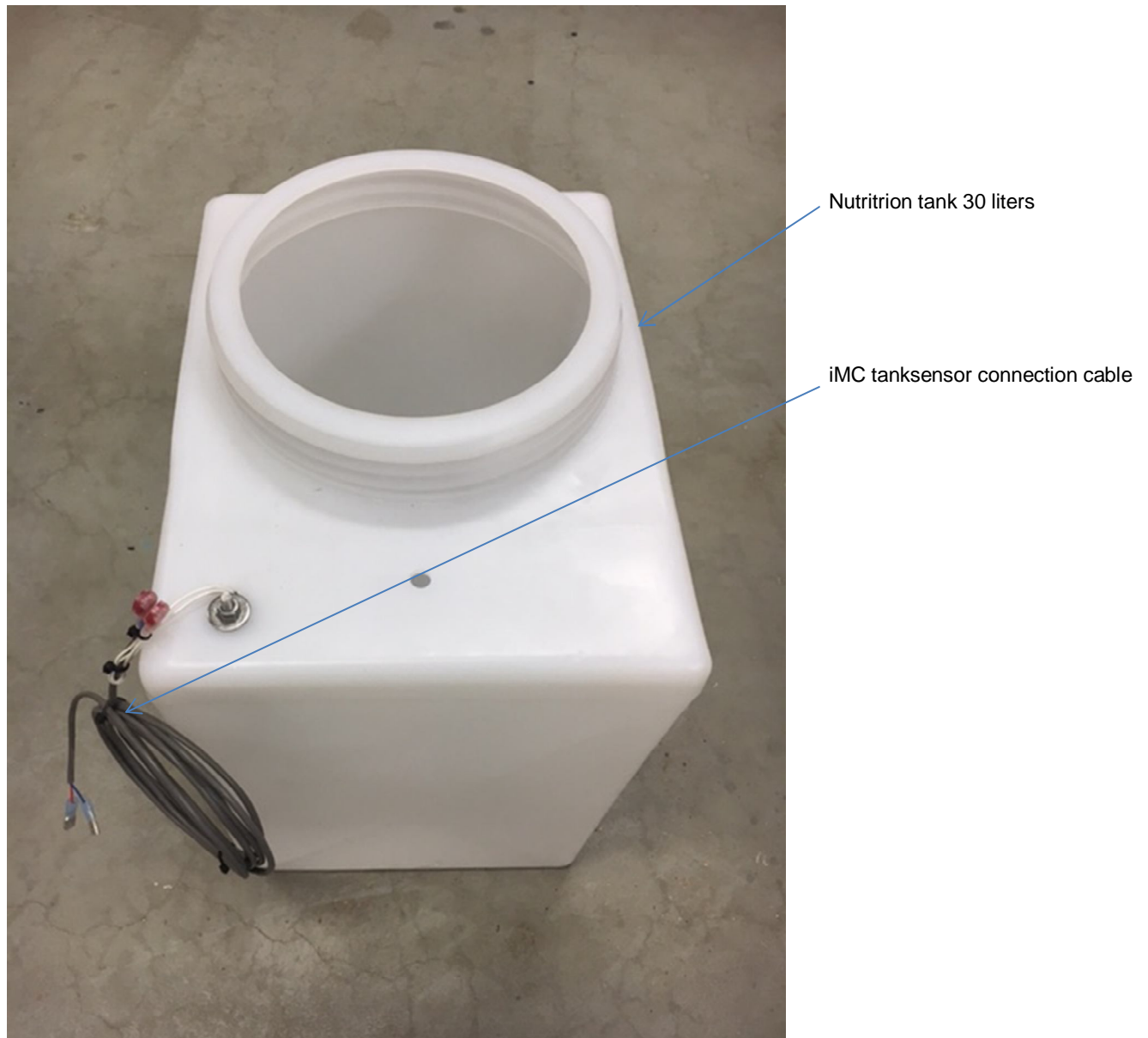
Manual and instructions (UK)

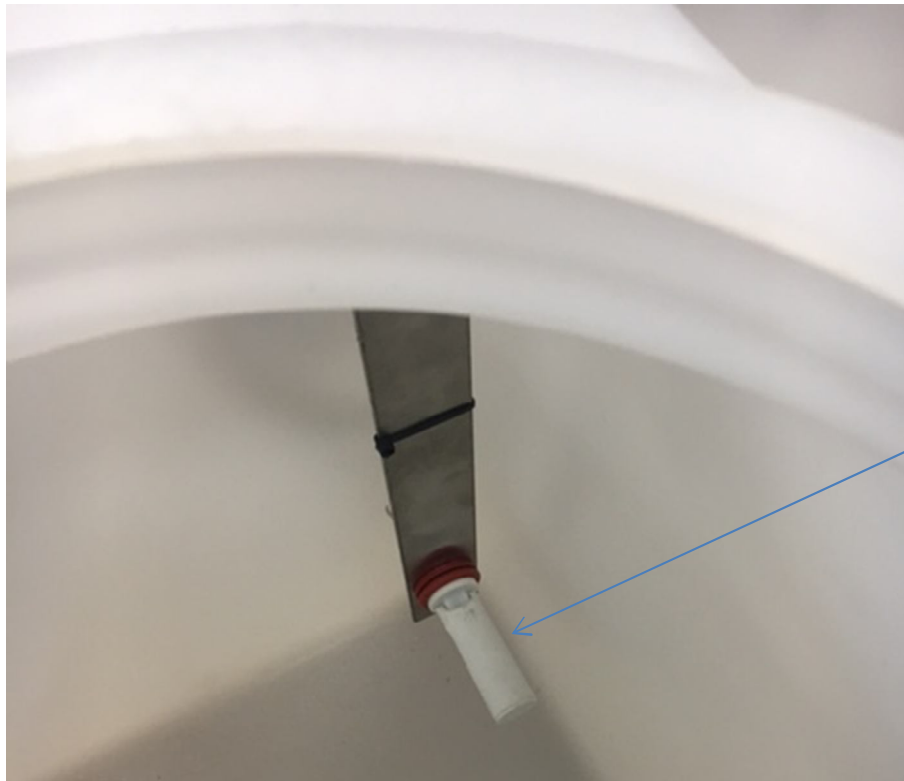
series: I-500/I-1500/I-2500/I-5000

Overview:

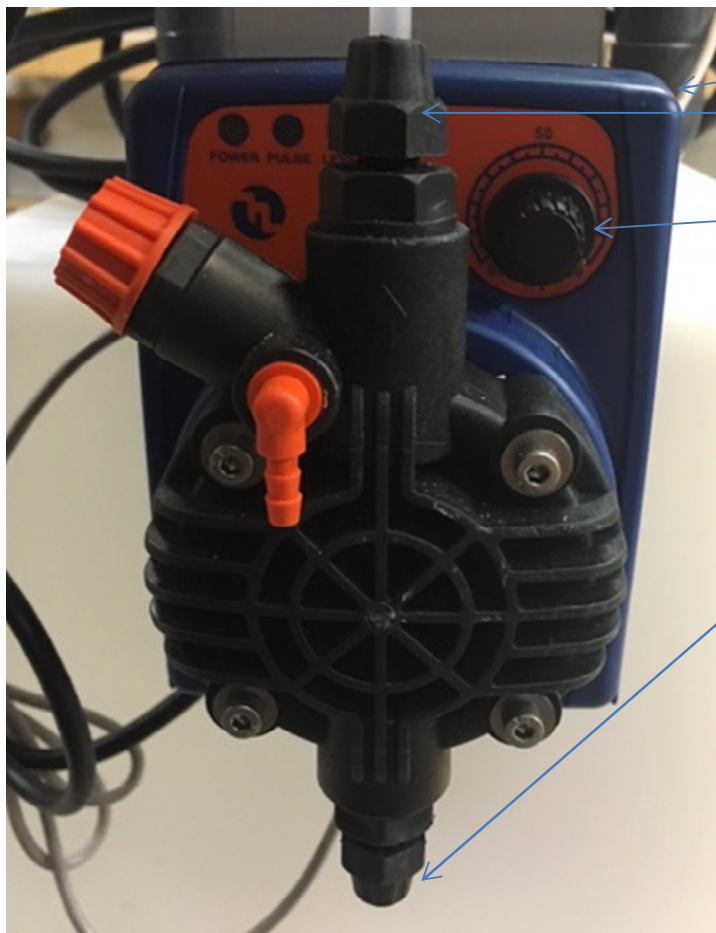
The nutrition tank and dosing pump for the Irrigation Unit type I consists of the following components:

- Nutrition tank
- Dosing pump with a range of 0,69ml of nutrition for 1 litre of water
- Water meter with impulse meter 1 pulse / liter
- Nutrition tank level sensor for iMC Box

Impressions, parts and details:



iMC tanksensor

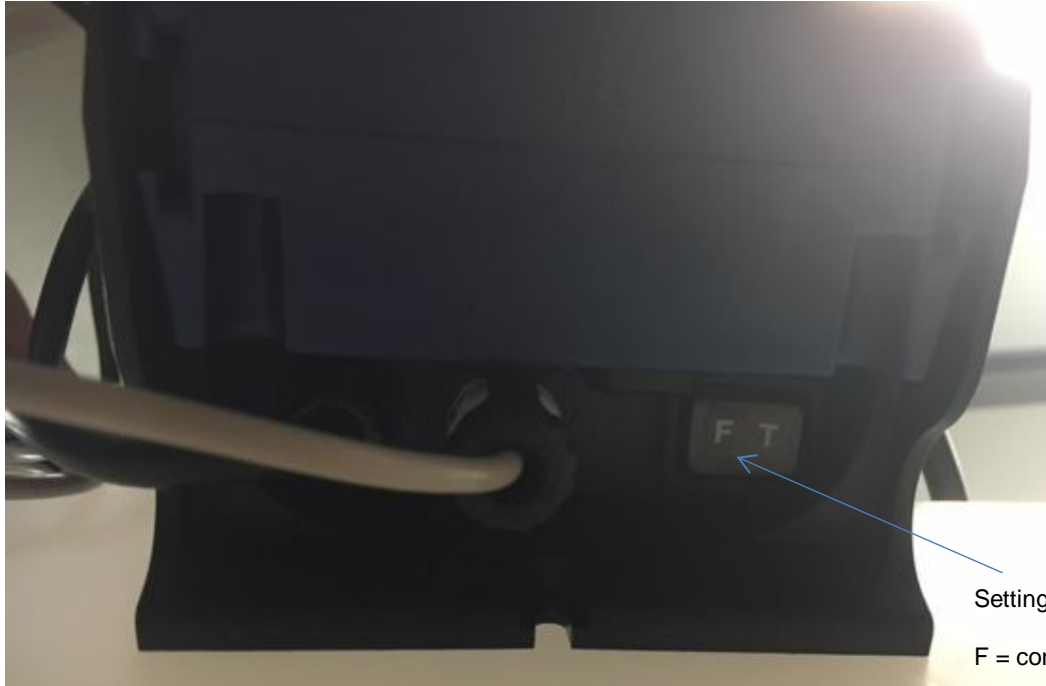


Nutrition dosing pump

Exit side (to system)

% dial (with setting below on T)

Suction side (to nutrition tank)



Settings switch F / T

F = controlled by impulse meter

T = controlled by % dial

Standard setting = F



Suction hose

Suction filter

Installation:

1. Place the technics in the technical room next to the Irrigation Unit on a flat surface.
2. Fill up the nutrition tank with the needed mixture of water and nutrition according to the greenwall installer. Make sure the mixture is mixed thoroughly and there are no fixed parts.
3. Place the suction filter inside the nutrition tank. Fill up the suction hose by keeping in underwater for a couple of minutes and relieving the air from the hose as much as possible.
4. Attach the suction hose to the correct end of the dosing pump.
5. Set the dosing pump switch from F to T and turn the dial fully to the right. This will improve the relieve of residual air in the system while checking and running the irrigation.
6. Activate the irrigation and check if nutrition is sucked into the system.
7. If everything works set the dosing pump switch back from T to F.

How the system works:

- For every liter of water 0,69ml of nutrition is pumped inside the waterstream.
- The dosing pump is controlled by the water meter with impulse meter.
- The dosing pump switch must be set to F, so that it is controlled by the impulse meter.
- If the dosing pump switch is set to T, it will react to the control % dial on the dosing pump. In this setting the dosing will not be related to the water flow. Therefor in normal operation always set the switch to F.

Activating the system:

- On the right hand side of the control cabinet there is a main power switch, which when activated powers the dosing pump.
- Activating this switch will activate the nutrition delivery.

De-activating the system:

- On the right hand side of the control cabinet there is a main power switch, which when de-activated shuts down power to the dosing pump.
- De-activating this switch will switch off the nutrition delivery.

Maintenance:

- Clean the tank and suction filter before every re-fill.
- Please refer to the dosing pump manual for more detail about operation and maintenance.
- Always relieve air from the system according to the following:
 1. Fill up the nutrition tank with the needed mixture of water and nutrition according to the greenwall installer. Make sure the mixture is mixed thoroughly and there are no fixed parts.
 2. Place the suction filter inside the nutrition tank. Unfasten the suction hose from the dosing pump. Fill up the suction hose by keeping in underwater for a couple of minutes and relieving the air from the hose as much as possible.
 3. Attach the suction hose to the correct end of the dosing pump.
 4. Set the dosing pump switch from F to T and turn the dial fully to the right. This will improve the relieve of residual air in the system while checking and running the irrigation.
 5. Activate the irrigation and check if nutrition is sucked into the system.
 6. If everything works set the dosing pump switch back from T to F.