

FAQs



Does the product come in more than one configuration?

No. IRIS comes in a standard configuration. There are optional accessories, please see our product list.

What is the volume of the water that it can process per hour?

IRIS is a fixed-flow machine that treats water at 5 gallons per minute, 300 gallons per hour and 7,200 gallons per day.

Does it have remote control capability?

Yes. IRIS is controlled through our online interface IRISConnect, accessible through any internet device.

How does this integrate into my system?

IRIS can be used with a DOORP tank where a highly-concentrated disinfecting solution can be generated and then separately injected in to another water system such as a recirculating nutrient solution.

Do you kill common plant pathogens like Pythium and Fusarium?

Yes. Validated at a third party lab, a 5.42 log reduction was seen (99.9996%) when Pythium is exposed to IRIS PAW. A 5.02 log reduction was seen (99.999043%) when Fusarium is exposed to IRIS PAW.

Are you considered a pesticide?

No. This unit is generating PAW treatment onsite, therefore is registered as a treatment device.

Do you need to have supplied oxygen?

No. IRIS uses an onboard oxygen concentrator to provide concentrated oxygen to ~95% pure oxygen.

Are you creating RONS in addition to ROS?

RON has not been measured. At single pass configuration, IRIS creates DO3 at .8ppm, or up to 5ppm on a recirculating setpoint.

Can the system handle circulating the hydroponic fertilizer through it?

No. For advertised reliability, IRIS must operate on water that has been treated by reverse osmosis (RO).

How does this inject into a hydroponic system?

IRIS can be used with a DOORP tank where a highly concentrated disinfecting solution can be generated and then separately injected into another water system, such as a recirculating nutrient solution.

Any sensor solutions that are incorporated into the system?

No. IRIS uses an oxidation reduction probe (ORP) that will need calibrated monthly. IRIS is designed to be shut down for short periods of time. For prolonged down time, the ORP probe will need to be withdrawn.

What are the maximum environmental conditions for this unit?

The optimal temperature range is between 4-40°C. IRIS must remain in a dry environment.

How much space is required for the unit?

For a wall mounted configuration, IRIS requires between 20-30 square feet of wall space.