



Authorized supplier for  **RootsTalk**

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@cobauengineering



Mounting

Nutrix designated rack
or wall mounted.



RootsTalk's proprietary
EXCLUSIVE PRODUCT

Product data

115V 7 amps	24 x 15 x 12 inch	40 pound

Introduction to O2Matic

Meet O2Matic, RootsTalk's advanced irrigation and fertigation controller. O2Matic was designed for professional growers with medium to large scale operations.

Hardware

- 32-64 digital outputs/activations
- 12-32 analog inputs
- 12-24 digital inputs
- 7" color touch screen
- Compatible with other fertigation systems
- Compatible with analog fertigation valves
- Easy integration

Software

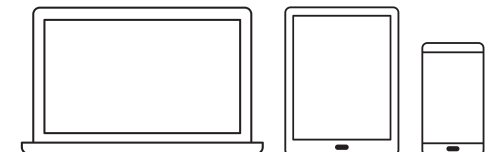
- Automatic EC/pH regulation
- PID fertigation
- Pre-programmed irrigation for each stage
- 64 fertilizers recipes
- Default and programmable alerts
- Compatible with Oxygen Availability algorithm
- Cloud monitoring interface

Sensors

- Oxygen Availability
- Water Tension
- EC (water and drainage)
- pH (water and drainage)
- Sample Cell
- Drainage Volume
- Soil Temperature
- Tank Level
- CO2
- Relative Humidity
- Air Temperature
- and more...

Communication

Our controllers allow remote, cloud-based monitoring and control. Observe real time field status and acquire historical data, edit graphs and program alerts. Internet connection: Ethernet or Wifi.



MEASURES WATER TENSION

Knowing how much water tension is critical for optimal plant growth, we have developed the most accurate tensiometer in the market.

Specifications

- Extremely high resolution - detects the smallest variations in water tension
- Suitable for any soil or growing media
- Data is not affected by changes in soil temperature
- Data is not affected by changes in soil EC
- Range: 0 to -600 milibar
- Output: 4-20 mA
- Low maintenance, simple calibration
- Enables the use of RootsTalk Oxygen Availability algorithm



Tensiometer



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EXCLUSIVE PRODUCT

Nutrix Batch System



RootsTalk's proprietary
EXCLUSIVE PRODUCT

The Nutrix system utilizes **RootsTalk's proprietary components** to provide an unparalleled mixing unit.



FERTILIZER DOSING SYSTEM

Product data



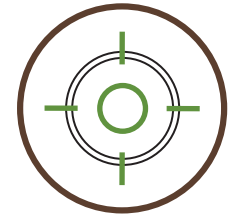
4KW
60HZ



51x60x70
inch



400
pound



High Accuracy

Roots-Talk proprietary mixing system allows for seamless mixing and nutrient delivery based off real-time analytics. Once recipe is ready and EC/pH are perfectly balanced, and then transfers the recipes to dedicated batch tanks. Ideal for greenhouses and in-doors facilities, excellent for high-frequency irrigation needs.

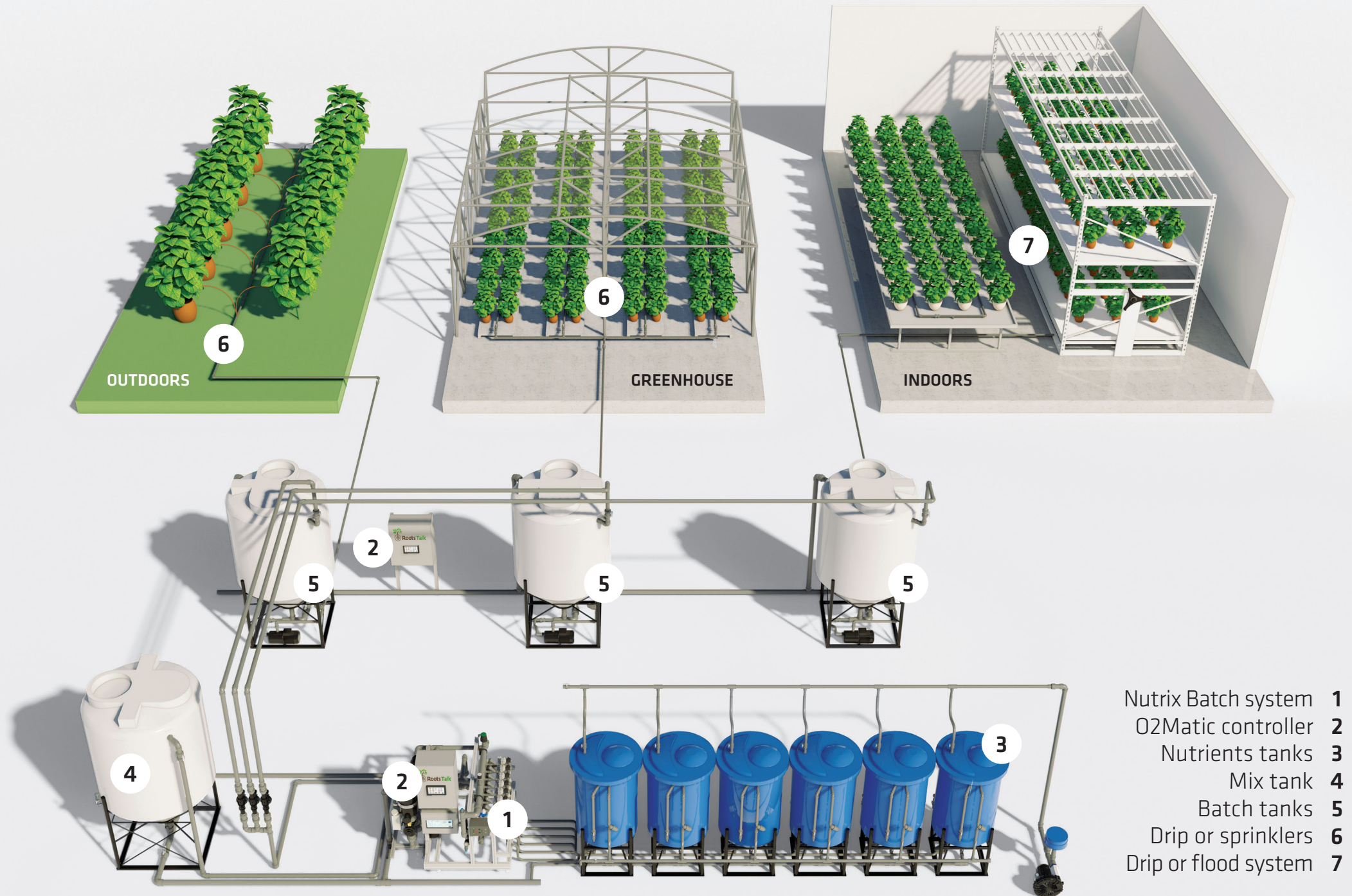
Better accuracy

Less maintenance

Faster EC/pH balance

Specifications

- RootsTalk's O2Matic controller
- SST Pump
- Automatic disc filter
- Ultrasonic water meter
- EC/pH sensors and monitor
- Up to 8 fertilizer channels with dual valve capability
- RootsTalk proprietary Analog Valve for improved channel accuracy
- Water source options: gravity (tank) or pressurized
- Conventional and organic fertilizers
- Aluminum frame
- Plug and play system, ready-to-go irrigation head



- Nutrix Batch system 1
- O2Matic controller 2
- Nutrients tanks 3
- Mix tank 4
- Batch tanks 5
- Drip or sprinklers 6
- Drip or flood system 7

Nutrix Bypass System

FERTILIZER DOSING SYSTEM

Product data



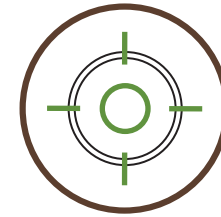
2KW - 4KW
60HZ



44 x 44 x 70
inch



300
pound



High Accuracy

Inject fertilizers to a pressurized main line according to pre-defined recipes. EC/pH adjustments made in real time. Ideal for greenhouses and outdoors cultivations with medium-high flow rates.

Better accuracy

Faster EC/pH balance

Less maintenance

Specifications

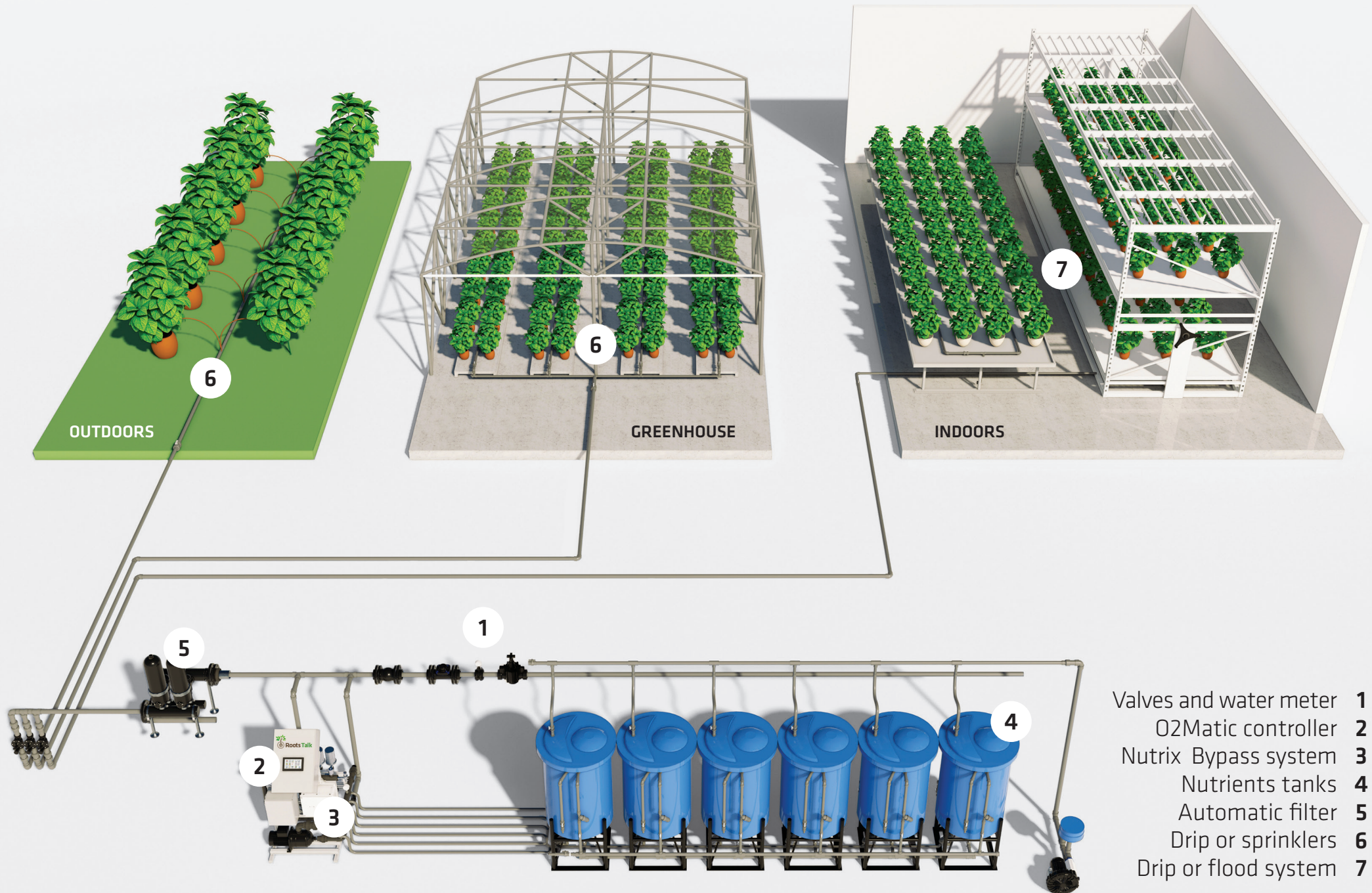
- RootsTalk's O2Matic controller
- SST Pump
- EC/pH sensors and monitor
- Up to 7 fertilizer channels with dual valve mechanism
- RootsTalk proprietary analog valve for improved channel accuracy
- Wide operating pressure range
- Conventional and organic fertilizers
- Aluminum frame

The Nutrix system utilizes **RootsTalk's proprietary components** to provide stable and accurate fertigation.



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Want to learn more?
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