



nutraxPulse

Hydroponic Equipment

The Pulse of Precision

With **nutraxPulse**, **Agrotecna** redefines fertigation in hydroponic systems. Its pulse-based dosing technology ensures maximum precision and homogeneity in nutrient delivery, optimizing every drop of the nutrient solution.



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Technical Specifications

nutraxPulse doses inline through high-frequency, low-volume pulses, ensuring a homogeneous and stable mixture with rapid response to system changes in hydroponic crops.

General configuration: **nutraxPulse** is a complete unit mounted on an anodized aluminum rack, featuring the **nutraxHC10 controller**, dosing pumps, and an irrigation pump control panel ready for connection. It offers a robust, modular design with easy maintenance.

Irrigation programs: Up to 4 time windows, with adjustable run and stop times.

Fertilization programs: Definition of pH and EC setpoints, with automatic monitoring and corrections; configurable injection rate and flow.

Injection (pumps): Basic configuration with 3 peristaltic pumps for concentrated solutions (A, B, and pH acid), expandable up to eight pumps. Maximum flow rate of 11 L/h. Also available with variable-flow peristaltic pumps (1–100 L/h).

Alarms: Notifications for out-of-range pH and EC, and for lack of irrigation detected via pressure measurement.

Event logs: Historical recording of injected volumes, pH and EC values (measured and corrected), and executed irrigation cycles.

Remote management: Multiplatform online access (desktop, laptop, tablet, or smartphone) with no software installation required. Real-time connectivity via the MQTT protocol over a Wi-Fi network.



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