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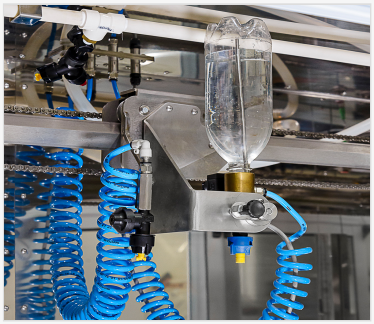

SPRAY TEST CHAMBER

TE-9000

Tecnal presents the TE-9000, its new chamber for spray testing with uniformity of application in a controlled environment. With it, you can run trials with different products, such as pesticides, adjuvants and liquid fertilizers/biofertilizers. Browse the product description for more details.

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Technical Characteristics

TE-9000

- *** Equipment produced in AISI 304 stainless steel. External components made of carbon steel coated with electrostatic paint;
- External dimensions: 2355 (W) x 2290 (H) x 1020 +100* (D);
- Internal dimensions: 1980 (W) x 1540 (H) x 900 (D);
- Total volume: 2740 Liters;
- Maximum spray speed: Up to 8 km/h;
- Maximum load capacity: Up to 50 kg;
- *** Automatic chamber washing system after use;
- *** Sample tray lifting via HMI;
- *** Fluorescent indoor lighting;
- *** Caster system for movement with lock;
- Air inlet: through cylinder or compressor (max. 11 bar);
- Equipment control: through HMI, enabling to trigger and/or regulate the following parameters: Exhaust (auto, manual, off), Rain (on, off, Wash (on, off), Sprayer configuration (spray speed, sprayer displacement , spray pressure, recipe), Platform (up, down), lamp (on, off) Automatic exhaustion, through sirocco;
- door: 4-leaf sliding;
- Security sensor: on 4 doors, turning off spraying in case of door opening;
- *** Remote access to equipment via cable;
- Optional :;
- *** Rain simulator;
- *** Rain schedule (eg after two hours of spraying pesticide, simulate rain to study product washing);
- *** Waste collection box;
- Benefits and advantages: Its exhaust system guarantees user safety, especially when tests are carried out with toxic products; The TE-9000 has an internal lighting system, which allows full monitoring of the process; The door security sensor is also a security item: in case the doors are opened, the system comes into action and immediately stops all camera operation; Forget about manual dosing and testing directly in the field or in greenhouses. With the TE-9000 you have

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Benefits and Advantages

- Prevents drift loss, increasing spray efficiency and uniformity
- Automated spraying with configurable jet speed and pressure, eliminating sources of variation typical of manual spraying
- Possibility to perform tests with different types of spray nozzles quickly and accurately
- User autonomy to perform the test at any time, not conditioning it to desired environmental conditions
- Performs accurate applications, without overlapping samples
- Automatic adjustment of tray height, allowing tests with plants of different sizes
- It is not necessary for the operator to use PPE (personal protection equipment), simplifying the process and avoiding exposure to toxic substances or products
- Internal lighting system that allows viewing during the test
- Exhaust system that guarantees user safety, especially when tests are carried out with toxic products
- The door security sensor is also a security item: in case the doors are opened, the system takes action and immediately stops all camera operation
- Stainless steel internal coating, which prevents corrosion and provides high resistance and longer service life to the equipment
- The HMI (Human-Machine Interface) is totally intuitive and in Portuguese, which allows you to customize different details of the test you will run
- Rain simulator, with speed and water flow configuration, to be used after the application of the products to assess the level of product loss, simulating a real situation in the field
- System for changing bottles between tests is extremely fast and easy, optimizing the user time during product testing
- Possibility of carrying out spray tests with small volumes of product, making the tests more economical
- Data logger that allows the storage of all parameters configured for the test in the form of a report, being easily collected with a pen drive or via RS232 communication.