

SOLUTIONS FOR GREENHOUSE CONTROL, CLIMATE AND FERTIGATION



DIVERSIFIED

Complete Control of Irrigation Systems

Green Field and Green Field Eco provide overall control and management of farm irrigation systems, maximizing both the yields and harvest quality. Their large range of functionality provides farm managers with the necessary tools to automate irrigation and fertigation processes.

Green Field

- Program supports filter flushing, cooling, and misting programs
- Modular system that can be custom designed for your greenhouse
- Supports a large number of analog input/output devices, digital/pulse inputs, relay dry contacts, and DC latch outputs
- Up to 64 outputs or 256 with expansion boxes
- Advanced EC/pH control and monitoring



Green Field Eco

- Control and management over small to medium size irrigation systems
- Up to 15 outputs

Precise Fertilizer Injection

Green JET

Green JET is a fully configurable, cost-effective fertilizer/acid dosing unit system that precisely and accurately injects fertilizers according to field/plant requirements. The system requires minimal capital investment and can operate under any site conditions to optimize main irrigation lines' available water flow rate and pressure for maximum efficiency.

These units deliver the most accurate fertigation possible by controlling the amount of fertilizer relative to the amount of water and simultaneously measuring and adjusting the EC pH values to the exact level the plant requires for optimal growth.



Green EC pH

The Green EC pH transmitter is designed to receive a signal from the EC and pH sensors that measure the quality of the measured water and convert the signal into a 4 - 20 mA output that can be connected to the Munters irrigation controllers, as well as to any other third-party controller.

- Accurate EC data increases yields
- pH measurement prevents nutrient deficiencies or toxicity
- Available in plastic box (single unit) or metal box (single or double unit)





Ultimate Control for Diverse Climates

Green Climate

The Green Climate Controller is a multifunctional greenhouse controller covering diverse climatic conditions. This cost-effective controller is suitable for any climate-controlled greenhouse.

- Comprehensive climate control system for industrial greenhouses
- Control over ventilation, shading, heating, misting, fans, cool pads, air circulation, CO₂ levels, and lighting
- Each controller supports up to four climate zones; a network can contain up to 50 zones
- Software includes crop protection processes
- Weather station data is shared with all network controllers



Expansion Box

Cost effective way to add up to 64 relays in one expansion box. Each network can support up to three expansion boxes with a maximum of 256 relays.



Intuitive Software to Analyze Performance

Green Net

Green Net is a communication and management PC software that can be connected to our entire line of controllers (irrigation and climate). The software supports extensive data collection and generates tables or color graphs.

- User friendly GUI
- Enables remote control over product configuration and management
- Provides analysis of each controller's performance



Weather Station

Get accurate data on:

- Temperature and humidity
- Wind speed and direction
- Rain detection
- Radiation (sunlight)



Rotem Comm-Box

Enables access to environmental controllers from any web-based device. RotemNet Web application allows admin to grant access, set permissions and manage settings.



Green Box T&H

- Humidity sensor measures relative humidity from 0–100%; high humidity initiates dehumidification process
- Temperature sensor provides data for multiple, important controller functions including heating and cooling processes; Operates from -22° F to +122° F



Rotem CO₂ Sensor

Measure CO₂ in a greenhouse with:

- A range of 0 - 5000 PPM
- Accuracy to +/- 3%
- Data transmitted using a 4 - 20 mA output
- Ability to start CO₂ treatment (increase in ventilation, etc) when CO₂ levels rise above user defined set point



Universal Pressure Regulator (UPR 550)

The Plasjon UPR 550 delivers a 5-60 PSI adjustable pressure range for high-flow rate capacity at any selected pressure setting.



Arad Water Meter with Pulse

The Arad M multi-jet magnetic water meter provides frequently updated data on water usage, enabling you to make fast, smart decisions. Arad meters are engineered to give accurate readings as low as 10 gallons per hour.

Smooth Operation. Maximum Insulation.

Diversified Tunnel Shutters

Diversified Tunnel Shutters are the optimal solution for allowing smooth laminar air flow into a house with no door turbulence. The 2-inch-thick coated-galvanized steel shutters are insulated with foam-filled expanded polystyrene to deliver an R-9 insulation value that drastically reduces energy costs.



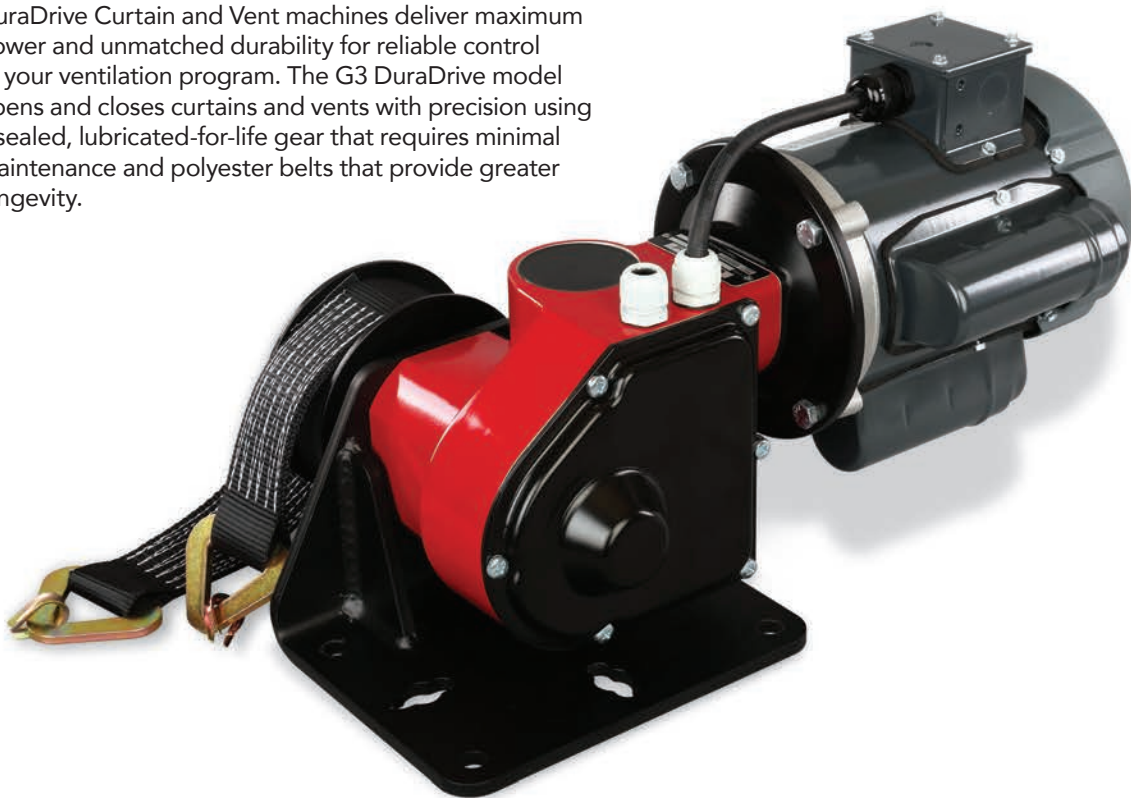
Maintenance-free rack and pinion drive system eliminates the need for cord or cable adjustments



Worry-Free Ventilation Control

DuraDrive

DuraDrive Curtain and Vent machines deliver maximum power and unmatched durability for reliable control of your ventilation program. The G3 DuraDrive model opens and closes curtains and vents with precision using a sealed, lubricated-for-life gear that requires minimal maintenance and polyester belts that provide greater longevity.



*Dual shaft configuration
available for reliable
performance*



*Durable polyester belts
with long life span*



*Quick and easy limit
switch set-up for a high
level of accuracy*

EXCELLENCE THROUGH INNOVATION

For nearly five decades, the mission at Diversified has remained steadfast—keep a customer for life. Our success in that mission is the result of our unwavering dedication to innovation.

As production needs shifted over the years, we continuously rose to the challenge—diligently working to provide affordable, durable and effective solutions to maximize performance and minimize costs. Today, the Diversified name is synonymous with quality and performance. Our long-term success can be attributed to our consistent delivery of eloquently designed products that add value throughout the production cycle.

SERVICE THAT DRIVES SUCCESS

Behind each quality product stands the Diversified family—people who put relationships first, people who value integrity and drive innovation in everything they do.

Our high level of customer satisfaction flows from our hassle-free customer experience—from sales and training to installation and service. Our strong relationships are built on a foundation of trust and respect. We understand that by delivering on our promises we guarantee continued mutual success. Our company leaders respect the role of every employee and work to enable each person to excel. This unwavering respect and support is indicative of how Diversified treats the industry overall.



DIVERSIFIED

Diversified Agriculture LLC
556 Industrial Way West
Eatontown, NJ 07724

732.363.2333
Toll Free: 1.800.348.6663
Fax: 732.905.7696

DiversifiedAg.com