

RoboVent Electrical Controls

Avoid On-Site Wiring!

With RoboVent, all Electrical Controls are completely integrated right into the equipment. This negates the need for large, cumbersome, separate control panels and extensive onsite wiring, often saving thousands of dollars.

The touch screen control can be located separately in a convenient location.



The ePad™ Control Board:

The RoboVent ePad Controller is a touch screen panel that allows control of all aspects of the system's function including the blower, filter differential pressure and PowerFlex System. The ePad provides constant monitoring of all equipment components, includes a built-in diagnostic feature, and may also track maintenance history.

As well as controlling blower functions, the ePad Controller manages the operation of the **PowerFlex™** automatic pulsing system. This system uses compressed air to back flush the filter cartridges and extend filter life. The PowerFlex System is a very powerful state-of-the-art self-cleaning system that delivers consistent pulsing pressure across the entire filter.

All the required Electrical Controls are integrated into the equipment.



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Some of the other features that the RoboVent ePad offers:

- **SafeSensor™ Particulate Monitoring Device:**

The SafeSensor particulate monitoring device is standard on all RoboVent equipment, and detects a leak past your filters. If any leak or smoke is detected on the clean side of the filters, the system shuts the equipment down immediately, and sets off an alarm. Keep your people safe!

- **AutoSaver™ Auto On/Off (optional):**

The AutoSaver feature allows your RoboVent air filtration system to rest when not needed, saving energy dollars. The AutoSaver turns the collector on when the welding process starts, and turns it off after 5 minutes of no operation. Automatic operation is triggered by a sensor that monitors power usage in your process.

- **E-Drive™ Auto VFD (optional):** The E-Drive system uses a sensor to constantly monitor the airflow through the unit, and then using a VFD, it automatically adjusts the RPM of the motor to compensate for filter loading. Energy peaks and valleys are evened out, 20% - 30% of energy is saved, the system performance is improved, and filter life is extended as much as 30%. The result is a system that is quieter, runs at maximum operating efficiency, and saves you money.

Full-Plant Systems

eMaster™ Central Control Panel System:

Step up to the eMaster, the very top of the food chain when it comes to controls! This is much more than a collector control panel, this is a central computerized management system that allows multiple filtration collectors to be centrally controlled from one point. Or multiple points if you wish. In fact, the eMaster can connect to your computer network, allowing your people to monitor and manage the equipment from anywhere inside (or outside) your plant via a standard PC or laptop. The eMaster is capable of controlling over 100 pieces of equipment, and this can be expanded to include the plant heating and cooling equipment also.

- Real-time remote monitoring of all systems
- Centralize all alarms and safety monitoring
- Graphs filter pressure history to provide better diagnostics
- Run multiple units as one collector
- Integrate Collector and HVAC controls
- Superior VFD control and data access

