

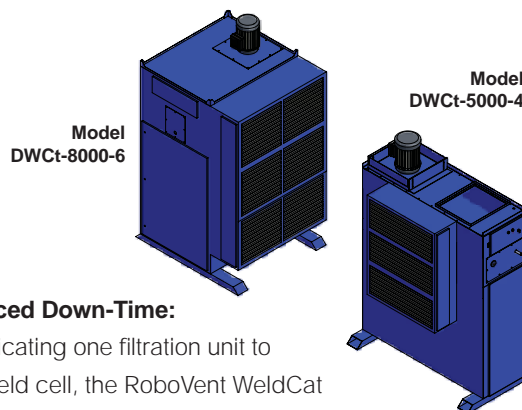
RoboVent WeldCat System

A Revolutionary Air Filtration Solution For Robotic Welding Cells

The RoboVent WeldCat Robotic Welding Air Filtration System is a compact, self-contained system that cleans and recycles smoke-contaminated air generated in robotic welding cells. All equipment components including the pulse cleaning functions are controlled by the built-in electrical controls. The RoboVent ePad, a programmable touch-screen controller which can be either mounted on the equipment or remotely, can be added to the system. The RoboVent WeldCat returns clean air to the plant, helping to maintain a healthy work environment.

The Sure Solution for Cleaner Air – We Guarantee It!

- **Maximum Flexibility:** Each weld cell gets its own, dedicated RoboVent WeldCat. This means that plant layout changes and equipment moves can be done very simply. The WeldCat unit comes complete with built-in fork pockets, so the unit can be easily moved into position beside the application, with the intake plenum penetrating through the weld cell wall. The WeldCat system features the fastest installation time of any robotic welding ventilation system available today.



- **Reduced Down-Time:**

By dedicating one filtration unit to each weld cell, the RoboVent WeldCat distributes the job of cleaning the air. This eliminates the possibility of total system failure, and greatly reduces production delays and down-time during routine maintenance.

- **Effective Cleaning:** The RoboVent WeldCat captures contaminated air at the source, and removes airborne contaminants. It filters out the impurities and returns clean air to the workplace.

- **Works on Virtually All Weld Stations:** The RoboVent WeldCat System can be installed on most existing robotic welding cells using your existing enclosure or guarding. Our customized hood system makes installation easy and cost-effective, and the clear polycarbonate top increases light and visibility.

- **Preventative Maintenance:** RoboVent systems utilize the PowerFlex system, a very powerful self-cleaning system that requires minimal maintenance. Our WeldEx filters are pre-treated with an oil-absorbing, filter-friendly element (pre-coat) and we use pleated filters for high media area and more effective filtration. Additionally,

RoboVent offers a comprehensive preventative maintenance program to protect your investment and to ensure that your system operates safely and efficiently.

This large RoboVent WeldCat unit is capable of over 7000 CFM. WeldCat equipment is designed to integrate with the RoboVent Flexan Enclosure system (shown).

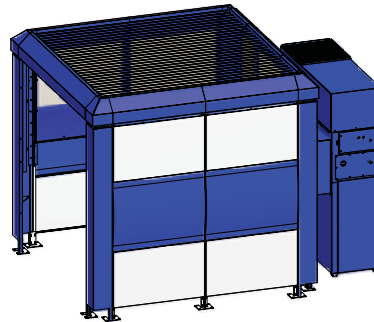
This system is covered by one or more of the following patents: #6,758,875; #4,610,704 and other patents pending. Due to continued engineering, all specifications are subject to change without notice. ©2008 Great Lakes Air Technologies, Inc.

RoboVent WeldCat System

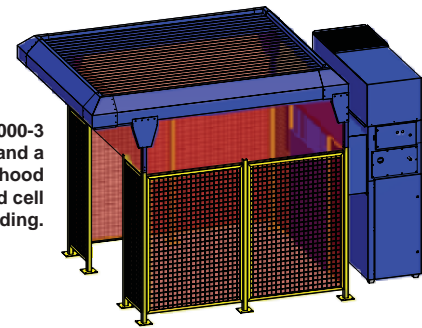
• **Virtually Eliminate the Risk of Fire:** The proprietary RoboVent SparkOut System is built in to the WeldCat equipment, and is designed to greatly reduce the risk of fires in the filtration equipment. It has effectively prevented fires in hundreds of robotic and automatic weld cells since 1996. For additional fire prevention, we also offer the RoboVent Supprex-200 fire suppression system.

• **SafeSensor:** The SafeSensor particulate monitoring system detects a leak past your filters. If a leak occurs, the system shuts the equipment down and sets off an alarm. Keep your people safe!

• **Warranty:** All RoboVent equipment carries a warranty for six months parts and labor, five years for all standard components (one year for all optional components), and ten years for the cabinet (see Great Lakes warranty policy for details). An Extended Warranty is available with purchase of a Great Lakes preventative maintenance program.



A model DWC-3000-3 WeldCat unit integrated into a RoboVent Flexan Enclosure.



A model DWC-3000-3 WeldCat unit and a RoboVent Flexan hood shown on a weld cell with standard guarding.

Available Options

- **AutoSaver:** Allows the RoboVent system to automatically turn on when the welder strikes an arc, and turn off after 5 minutes of no operation. Mounts in the standard control panel and senses power usage of the welder.
- **E-Drive:** The E-Drive System uses a sensor to constantly monitor the airflow, 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 and filter life is extended as much as 30%. The result is a system that is quieter, operates at maximum operating efficiency and saves you money.
- **Supprex-200:** The Supprex-200 Fire Suppression System is engineered to our exacting high standards for safety and effectiveness. Supprex is a dual stage system activated by smoke and heat. If heat is detected, FM-200 gas is released to extinguish the fire. With Supprex-200 System there is little or minimal clean-up after a fire.
- **Light Fixture:** One or more 4' fluorescent light fixtures may be mounted inside the RoboVent hood to provide additional light for technicians or operators. Light is wired into main control panel.
- **Mezzanines for Additional Storage:** Complete your RoboVent Flexan hood, large or small, by turning the top of the hood into a mezzanine for added storage space.
- **Custom Retractable Hoods:** Our team can build a motorized retractable hood that is custom engineered around your manufacturing processes for ease of use and safety. (For use in areas with overhead cranes.)
- **Man Cooling Fan:** A 12" man cooling fan can be mounted on the front of the hood for operator comfort. The fan is wired into the main control panel.

This system is covered by one or more of the following patents: #6,758,875; #4,610,704 and other patents pending. Due to continued engineering, all specifications are subject to change without notice. ©2008 Great Lakes Air Technologies, Inc.