

RoboVent Weld Pro

Clean and Recycle Contaminated Air from Manual Welding Workstations

The RoboVent[®] WeldPro[™] Air Cleaning System is a compact, self-contained air cleaning system that recycles contaminated air using a high efficiency, self-cleaning filter system. The unique design ensures clean air, a clean plant and cost-effective removal of contaminants that will enable you to meet federal regulations on emissions.

Clean the Air and Maintain Plant Flexibility

• **Captures Contaminants at the Source:** Because the WeldPro Air Cleaning System is installed right at the source where air contaminants are created, it effectively removes airborne contaminants before they can settle on floors and walls or become damaging to employees' health. The "CrossFlow" hood design is widely accepted as the correct way to address manual welding ventilation, and is endorsed by the American Conference of Governmental Industrial Hygienists (ACGIH). It pulls the smoke away from the welder, preventing it from going through his/her helmet.

• **Maximum Flexibility:** The WeldPro Air Cleaning System is a self-contained unit and negates the need for a costly, inefficient central ducted systems. This means manual workstations can be moved and located virtually anywhere in the plant without being limited by restraints of ducting.

• **Long Filter Life:** 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 are pleated for high media area and more effective filtration.

• **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!

• **Virtually Eliminate the Risk of Fire:** The proprietary RoboVent SparkOut System is designed to greatly reduce the risk of fires in the duct and 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, designed to extinguish fires.

• **Reduced Down-Time:** When placed at each welding station, the WeldPro Air Cleaning System distributes the job of cleaning the air. With no need for inefficient central exhaust systems, the WeldPro Air Cleaning System eliminates the possibility of total system failure and greatly reduces production delays and down-time during routine maintenance.



WeldPro[™] FloorMount Air Cleaning System in use.

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- **Preventative Maintenance:** RoboVent offers a comprehensive preventative maintenance program to protect your investment and to ensure that your system operates safely and efficiently. An Extended Warranty is available with purchase of a Great Lakes preventative maintenance program.

- **Installation is Easy:** The WeldPro is a self-contained unit that requires virtually no installation. The unit is simply placed in front of a work area, bench or fixture for a seamless fit into most existing workstations. Various options are available to customize the workstation for any application, and it can also be suspended from the ceiling.

- **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).



WeldPro™ FloorSaver Air Cleaning System

Available Options

- **AutoSaver:** Allows the WeldPro 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.
- **Parts Hood:** Add a small hood to your system, which can be mounted over your parts bin to capture smoke from parts that may still be smoking after being welded.
- **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 & Frame:** A 4' fluorescent light fixture may be mounted on a frame over the area to provide additional light. Side and top curtains may also be suspended from the frame in order to increase smoke capture. Light is wired into main control panel.
- **Man Cooling Fan:** A 12" man cooling fan can be mounted on the WeldPro 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.