

RoboVent[®]

Hi-Vac Capture Solutions



*Hi-Vac Fume & Smoke
Extraction for Production
Welding Applications*

RoboVent



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One Method – Many Solutions

For more than 25 years, RoboVent has been at the forefront of clean air innovation for welding and metalworking.

Now, we're pleased to add the RoboVent Extractor™ fume gun to our line of hi-vac (high-vacuum) extraction solutions. The RoboVent Extractor integrates a high-performance welding gun with a powerful source extraction system, so fumes are captured as soon as they are generated.

For welders engaged in MIG or GMAW welding processes—especially those working on or inside large equipment—fume gun extraction may be the best way to keep weld fumes out of the breathing zone. If you think that has to mean heavy, bulky equipment and reduced visibility during welding, think again.

This is not your father's fume gun. The RoboVent Extractor is the perfect balance of power, ergonomics and flexibility. Welders will love the lightweight, maneuverable handle and the streamlined nozzle designed for maximum visibility and control. But don't let the size fool you. Combined with the RoboVent FlexPro air filtration unit, it reduces the welder's exposure to welding fumes by 90-95%.

So give fume gun extraction another look. We are confident that when your welders see how easy it is to maneuver with the RoboVent Extractor, they won't want to go back. With the powerful FlexPro hi-vac system, you can be sure that you're making the best possible decision for your welders' health and safety.

Breathe easy.

The RoboVent Extractor™: Safe extraction of welding fumes at the source

Welding fumes are a health hazard, and welders who inhale too many fumes run a higher risk of developing asthma, bronchitis, COPD and cardiovascular disorders. As a result, the U.S. and other international regulatory agencies are moving to more stringent thresholds for weld fume exposures.

The American Conference of Governmental Industrial Hygienists (ACGIH) recommended limit for welding fumes in the workplace is 1 milligram of welding fumes per cubic meter of air (1 mg/m³), over the span of an 8-hour work day.



This norm is, in practice, exceeded in many workplaces. To comply, companies may adopt various measures including room ventilation, mobile extraction hoods, or personal protective equipment such as dust masks or ventilated helmets. The effect of these is often insufficient:

- extraction hoods are not placed close enough to the source
- the objects to be welded are too large
- the welder is very mobile
- welding may take place in enclosed areas (e.g. the hold in a ship)
- personal protective gear is not used correctly

In these cases, an integrated welding fume extraction provision in the welding gun is a more effective measure that is easier for the welder to apply independently in comparison to other means.

The RoboVent Extractor consists of a welding gun with a built-in extraction module. The gun can be connected to a central extraction system or to a stand-alone version without any problems. One advantage of the RoboVent Extractor gun integrated with a RoboVent hi-vac collection system is that it can be used in different workplaces, such as in ships' holds or tanks.

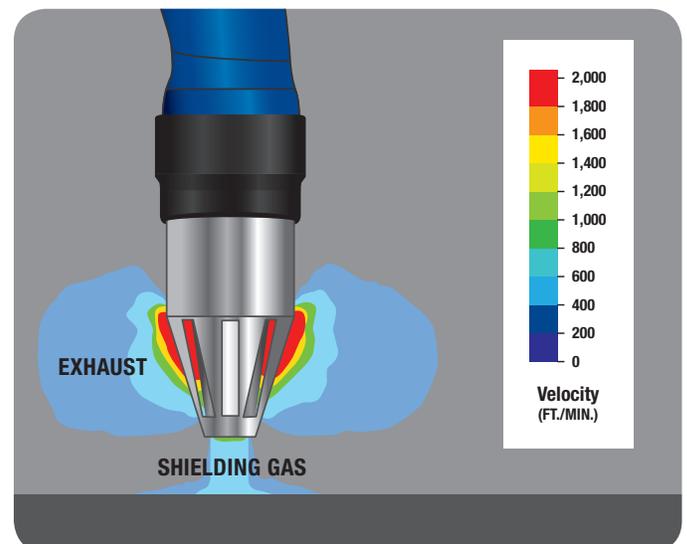
Built for Better Performance and Control

- The welding gun has a conical suction head, welding tip and gas outlet for the shielding gas in order to promote good visibility and reachability of the object.
- The suction module is located at the end of the welding gun, close to the source of fumes.
- The shielding gas can be emitted with an increased flow velocity without raising shielding gas consumption.
- A ball-and-socket joint between the torch and hoses improves maneuverability.
- A conical suction hose, running from thin to wide.

Where and how?

The RoboVent Extractor is intended for use in MIG and GMAW welding processes that employ shielding gases. The gun will in all cases deliver an improved performance in comparison to current guns with source suction.

The RoboVent Extractor reduces the welder's exposure to welding fumes by up to 95%.*



*This applies to (pulling) underhand welding. The reduction in (pushing) overhand welding and very swift horizontal movements may be slightly less.

RoboVent[®]

EXTRACTOR

Faster Gas Flow

Due to the design of the gas nozzle at the inside, the shielding gas comes out faster than normal. The combination of the faster gas flow with the correct extraction flow at the gas nozzle gives a perfect weld in all positions.



Patent-Pending

Integrated Fume Extraction

The RoboVent Extractor is a welding gun with integrated fume extraction. The gun can be connected to a central extraction system or to a stand-alone mobile extraction unit without any problems. The advantage of a mobile extraction unit with an integrated filtration system is that it can be used in different workplaces.

Flexible and Maneuverable

A ball-and-socket joint between the torch handle and the hoses offers flexibility and maneuverability. The RoboVent Extractor is a very light gun and weighs only 2.86 lbs (1.3 kg). Due to the small size of the handle, the welder does not feel any difference between the Extractor and a standard welding gun.



Helpful Hint

The RoboVent Extractor prevents fume buildup when working in enclosed areas such as ship holds or storage tanks.

RoboVent ProCube™ Hi-Vac Filtration System

When you need power, flexibility and mobility, look to the RoboVent ProCube™. The ProCube puts high-vacuum filtration power into a small, portable package that goes wherever you need it. Designed especially for the RoboVent Extractor™ Fume Gun, ProCube is the only portable filtration unit of its size that is rated for high-production welding environments. ProCube is:

- **Powerful:** The ProCube can be hooked up to a single robotic cell or two RoboVent Extractor fume guns to provide effective, efficient air filtration. It is rated for continuous use, making it appropriate for high-production welding environments.
- **Portable:** At just 95 pounds (43.1 kg), 42" (106.1 cm) high and with a 24"x16.5" (60.7 cm x 16.5 cm) footprint, the ProCube is small enough to fit almost anywhere and light enough to move wherever it is needed. The optional wheels and handle make it easy for a single welder to move, making it the perfect choice for high-mobility welding applications using fume guns.
- **Easy:** The ProCube has been designed for ease of use, from automatic start and stop to the easy dashboard controls—just plug and play! Maintenance is minimal with the automatic filter cleaning system and disposable dust collection tubes.
- **Quiet:** The ProCube generates 68 decibels when in use, making it one of the quietest high-vacuum units on the market with additional noise-reducing features to improve operator comfort and acceptance.



Blower Inlet Relief Valve

The relief valve protects the ProCube from harmful overpressure if airflow becomes obstructed.

Delta3 Spark Arrestor

Our proprietary built-in Delta3 spark arrestance system comes standard with every ProCube air filtration unit for superior fire safety. Delta3 uses centrifugal force to eliminate sparks at the source.

Vertical Filter Design

Vertical filters improve filter life by enabling dust to fall directly into the containment area when pulsed.

Automatic Filter Cleaning System

Filters are automatically cleaned using compressed air to minimize maintenance and extend filter life.

AutoSaver

The AutoSaver function reduces energy consumption by automatically switching the ProCube on and off when the welding torch is used.

No-Spill Throw-Away Container

Replaceable dust tubes with caps allow for clean, fast and hassle-free disposal of collected dust.

Effective Filtration for Manual and Robotic Welding

**One ProCube can handle fume collection for
two Extractor Fume Guns or one robotic cell.**





Dashboard

A simple, user-friendly dashboard lets you see performance and filter loading at a glance and easily switch between single- and dual-gun extraction requirements.

Heavy-Duty Construction

Every unit is built with fully welded 11-gauge robust steel construction for superior durability. The cabinet is powder coated inside and out to enhance durability and aesthetics.

Exhaust Silencer

The exhaust silencer reduces generated noise from our already quiet system by a further 10-15 decibels to improve operator comfort.

eDrive

The eDrive system constantly monitors airflow and automatically adjusts the motor RPM to compensate for filter loading, cutting energy use by 20% to 30% while extending filter life by as much as 30%.

ProCube and Extractor: The Perfect Pair

RoboVent ProCube is the perfect companion for the RoboVent Extractor Fume Gun. In fact, the two were designed to go together.

ProCube can be used with one or two Extractor fume guns. Toggle between one-gun or two-gun operation with a flick of a switch. The unit will automatically start when the torch is on, and stop when it is off, for easy operation and energy savings.

The ProCube's size and portability make it an excellent choice for high-mobility applications such as shipbuilding or large fabricated components. The long reach of the Extractor hose gives welders exceptional mobility, and the ProCube can be easily moved along with the welder.

Other Applications

The RoboVent ProCube is a powerful, flexible system that can be used for a variety of welding applications. It can be used with a fume gun or a magnetic nozzle for stick welding applications or hooked up to a robotic welding cell for continuous fume extraction and filtration.

ProCube can be used for:

- Manual welding applications including MIG, TIG MMA & Stick welding
- Robotic welding (one ProCube unit per cell)



RoboVent FlexPro™ Hi-Vac Filtration Systems for Manual and Robotic Welding Applications

The RoboVent FlexPro hi-vac smoke-collection system is a versatile, simple and powerful solution for welding smoke extraction. Suitable for both manual and robotic welding applications. FlexPro is designed to eliminate the need for backdraft hoods and large ductwork.

The FlexPro hi-vac air filtration system collects fumes right at the source. It's the perfect companion to the RoboVent Extractor. It can also be used with suction tubes mounted to your fixture or welding table—or, in the case of shipbuilding, directly to the ship!

FlexPro is designed for plug-and-work use: simply attach your hi-vac suction tube, connect to a power source and start collecting weld fumes.

Manual Welding Hi-Vac Applications:

- Ship building and repairs
- Tank building and repairs
- Large pipe welding
- Large weldments
- Applications that require extensive crane use
- Stainless steel welding
- Any application where a welder is overexposed to harmful welding fumes

Robotic Welding Applications:

- Many robotic welding applications
- Applications requiring extensive overhead crane use
- Large cells with multiple robots
- Assembly lines



eTell™ Intelligent Controls

Each FlexPro Series unit comes standard with eTell Intelligent Controls, a revolutionary control system that learns your systems and routines, makes automatic adjustments to save energy and extend filter life and alerts you when maintenance is needed. With eTell, you can forget about your dust collector until it calls you.



SafeSensor™ Particulate Monitoring

SafeSensor is the FlexPro collector's advanced particulate-monitoring device that can detect leaks past the filters. If one should occur, SafeSensor will shut the equipment down and trigger an alarm.

Dynamic Pulse™ System

This patented system takes filter cleaning to an entirely new level. Far more than just a simple blast of compressed air, it has multiple valves working together in a computer-synchronized double-pulse sequence to virtually eliminate re-entrainment while propelling the dust down into the collection area.

Endurex™ RMO Filters

RoboVent's Endurex RMO filters use Reinforced Media Optimization and a rigorous quality control system to guarantee performance. In addition to RMO Technology™ a wide selection of media is available including high performance cellulose, NanoFiber, and PTFE, so that the filters can be tailored specifically to the application.

Integrated Base & Containment Unit

The collector base is constructed of 1/4-inch (6.35 mm) steel for strength and stability. No tools are needed to empty it or to do regular maintenance. It comes standard with an integrated dust tray; alternate configuration with hopper pedestal and 5-gallon (18.9 L) drum optional.



Supprex200™ Fire Suppression System (option)

This is a dual-stage system activated by smoke or heat. If smoke is detected, a fire damper closes, stopping all airflow and oxygen supply. If heat is detected, FM-200 gas is instantly deployed, suppressing the fire.

eDrive™ Automatic VFD (option)

The eDrive constantly monitors airflow, and automatically adjusts the motor RPM to compensate for filter loading. Energy peaks and valleys are evened out, and energy usage is cut by 20% to 30% while filter life is extended by as much as 30%.

Rugged Cabinet Design

The RoboVent FlexPro collector features a modular cabinet design that aligns with our signature protocol. The fully welded 10-gauge steel cabinet has a 3/16-inch (4.76 mm) tube sheet, 1/4-inch (6.35 mm) thick steel for the base and a Schedule 40 compressed-air pressure vessel. The entire cabinet and all structural components are backed by the 15-year warranty that is RoboVent's assurance of quality.

Helpful Hint
 The RoboVent FlexPro collector assembles in **15 minutes** on-site.*

* Collector Assembly only. Does not include time for ducting, electrical connections, etc.

DeltaGate™: Building a smarter ductwork system

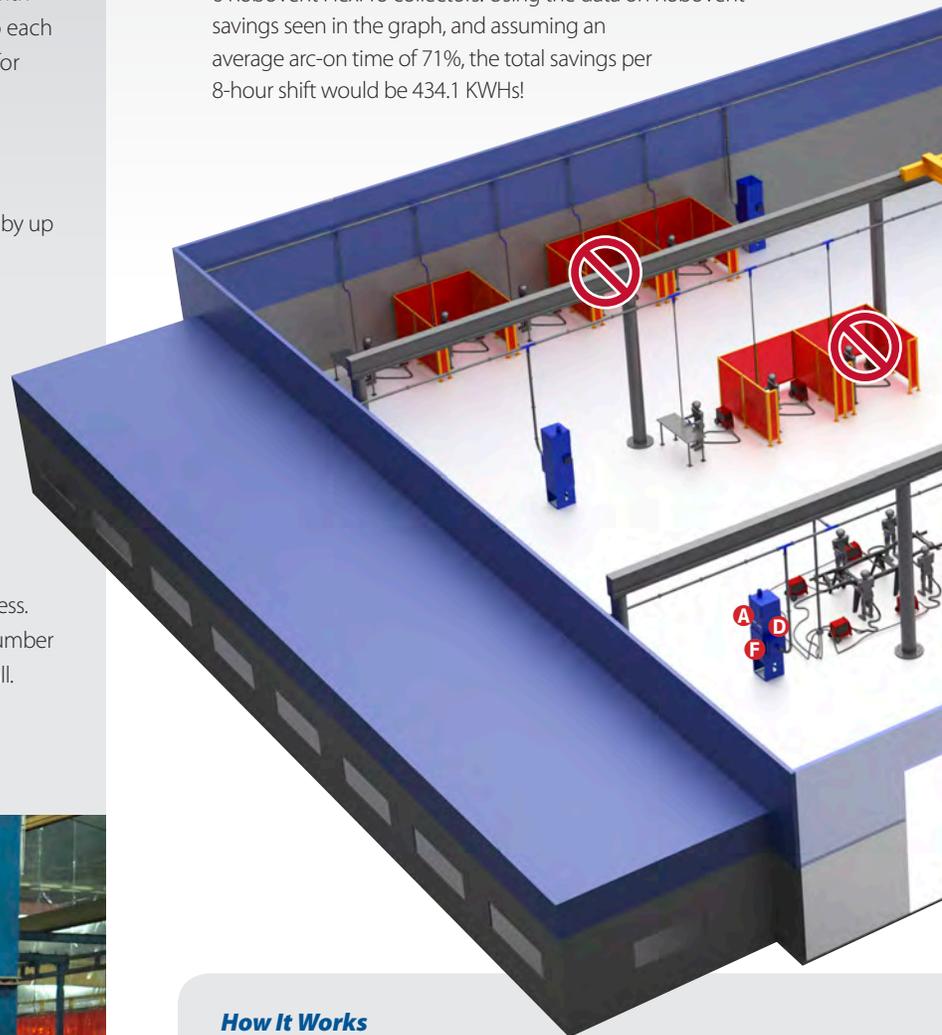
Optimize the performance of your ducted air quality system with RoboVent DeltaGate. The DeltaGate system controls airflow to each cell individually, so you can reduce airflow and energy needs for your entire system.

DeltaGate delivers:

- **Energy savings:** With DeltaGate, airflow for each section is modulated based on welding activity, reducing energy costs by up to 30-60%, depending on production process cycles. (See chart on page 13 for example.)
- **Automation:** The DeltaGate opens automatically when the welding arc is on, so welders don't need to think about dust control.
- **Flexibility:** DeltaGate is part of a modular ductwork system, so each gate is easy to move if your configuration needs to change.
- **System efficiency:** With DeltaGate, you can do more with less. Because airflow needs are based on actual use rather than number of stations, you'll need fewer (or smaller) dust collectors overall.

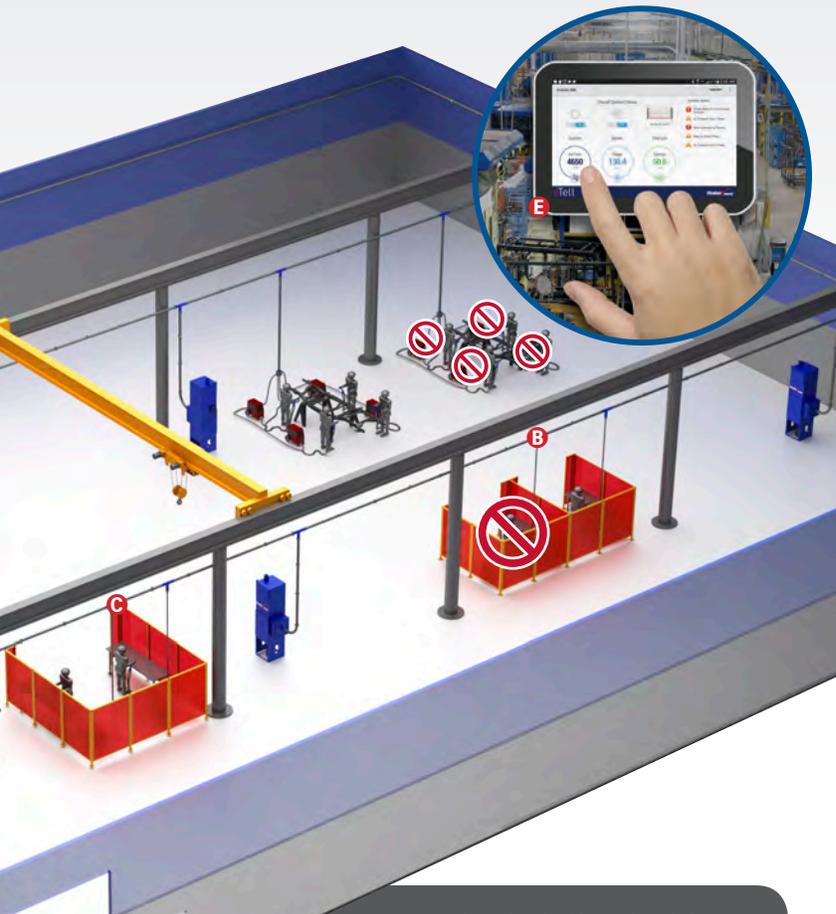
RoboVent Hi-Vac Grid Running with 70% of the stations welding:

The RoboVent Hi-Vac Grid simulation illustrated here shows 7 of 24 stations with their DeltaGates closed. The system includes 6 RoboVent FlexPro collectors. Using the data on RoboVent savings seen in the graph, and assuming an average arc-on time of 71%, the total savings per 8-hour shift would be 434.1 KWHs!



How It Works

- **A AutoSaver:** Automatically modulates extraction with welding activity.
- **B DeltaGate:** Gates controlled by AutoSaver seal off ductwork sections not in use, reducing airflow requirements for the entire system.
- **C Delta3 Spark Arrestor (option):** The proprietary Delta3 spark arrestance system uses centrifugal force to eliminate sparks before they can enter the ductwork.



Energy Savings with RoboVent DeltaGate

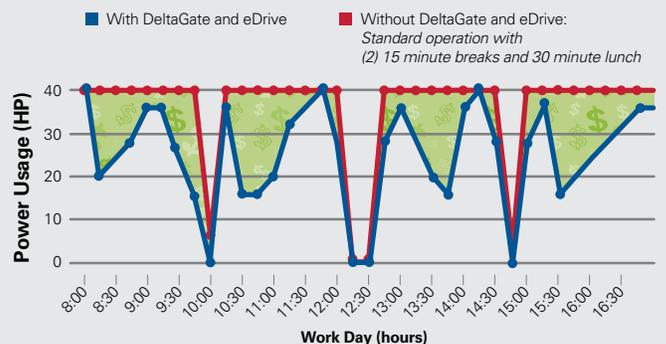
Arc-on time for most robotic welding stations is between 45% and 75%. For manual stations, arc-on time may only be between 20% and 40%. So why pay for the power to run your dust collection system 100% of the time?

With RoboVent's automated controls, your system is on when you need it, and off when you don't—delivering significant energy savings.

The DeltaGate system is tied to welding activity, but it also includes an automated airflow control that adjusts the airflow to meet what is needed for the welding stations in operation.

The proprietary eDrive Automated VFD works with the DeltaGates to control airflow and adjust the motor speed up or down based on system requirements. That means your system draws power only when it is needed—reducing overall airflow and horsepower requirement by an average of 30%.

Power Savings with DeltaGate and eDrive per Shift



Results

KWHs per Day without DeltaGate and eDrive:	984.3 KWHs
KWHs per Day with DeltaGate and eDrive:	698.0 KWHs
KWHs Saved per 8 Hour Shift:	286.3 KWHs

KWHs Saved per 8 hour Shift on (1) Fusion Collector using DeltaGate and eDrive

29% SAVINGS

"Looking back, I'd say the ability to clean and recirculate the air and save on utility costs was the biggest, and somewhat unexpected, benefit to the new air filtration system."
— B.F., Welding Project Engineer, Lear Corp.

- D eDrive:** VFD (Variable Frequency Drive) controls the collector based on sensors that detect airflow requirements across the system as the DeltaGates open and close.
- E eTell:** The cloud-based eTell smart control system acts as a central hub to automate and optimize performance for the entire system.
- F Dust collector:** DeltaGate can be used with many of RoboVent's most popular dust collectors, including FlexPro and Fusion series collectors.

Hi-Vac Grid Configuration: A modular, flexible and future-proof solution.

When you want the efficiency and energy savings of a centralized ducted system, but with flexibility to move components if needed, consider RoboVent's Hi-Vac Grid Configuration.

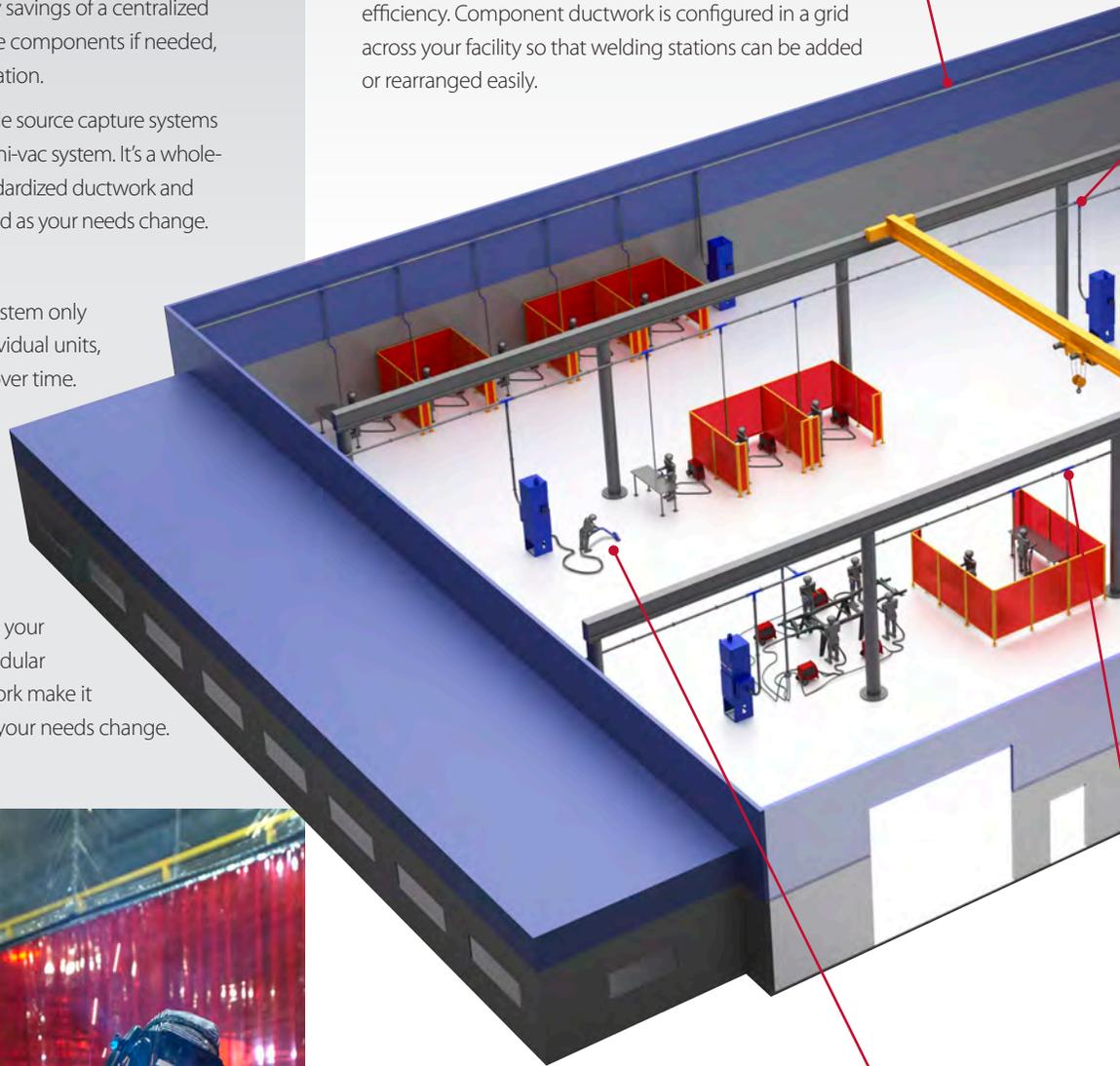
Hi-Vac Grid gives you the flexibility of mobile source capture systems with the efficiency of a centralized ducted hi-vac system. It's a whole-facility solution consisting of modular, standardized ductwork and components that can be easily reconfigured as your needs change.

The Hi-Vac Grid system is:

- **Energy efficient:** The ducted grid system only needs 70% of the airflow used by individual units, delivering significant energy savings over time.
- **Modular:** We use standardized, modular components to make installation of your custom system fast and easy.
- **Flexible:** Move components around, expand or reduce capacity, and adjust your system to your new requirements. Modular components and QuickClamp ductwork make it easy to change your configuration as your needs change.

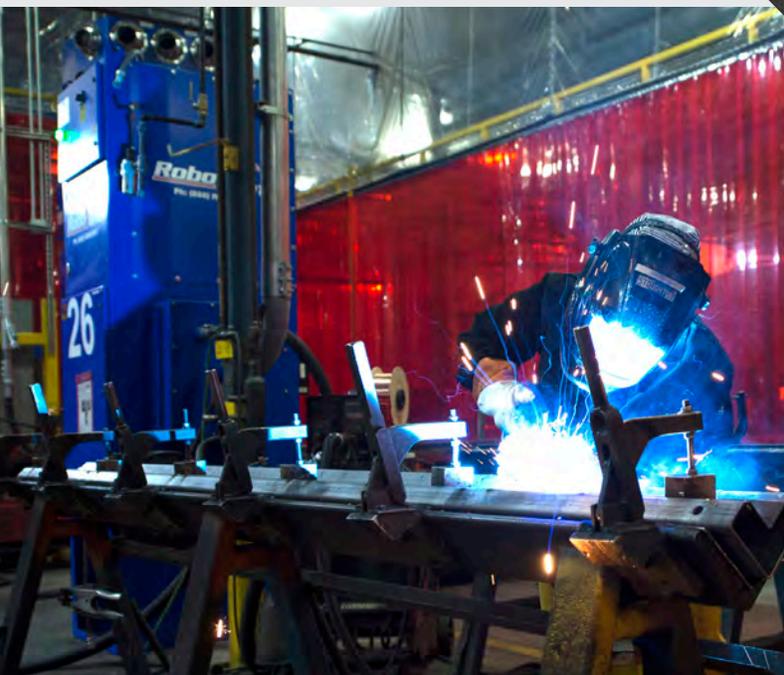
Primary Grid Duct System

The Hi-Vac Grid system is designed using the same principles as a compressed air loop system for optimal efficiency. Component ductwork is configured in a grid across your facility so that welding stations can be added or rearranged easily.



Hi-Vac Industrial Cleaning System

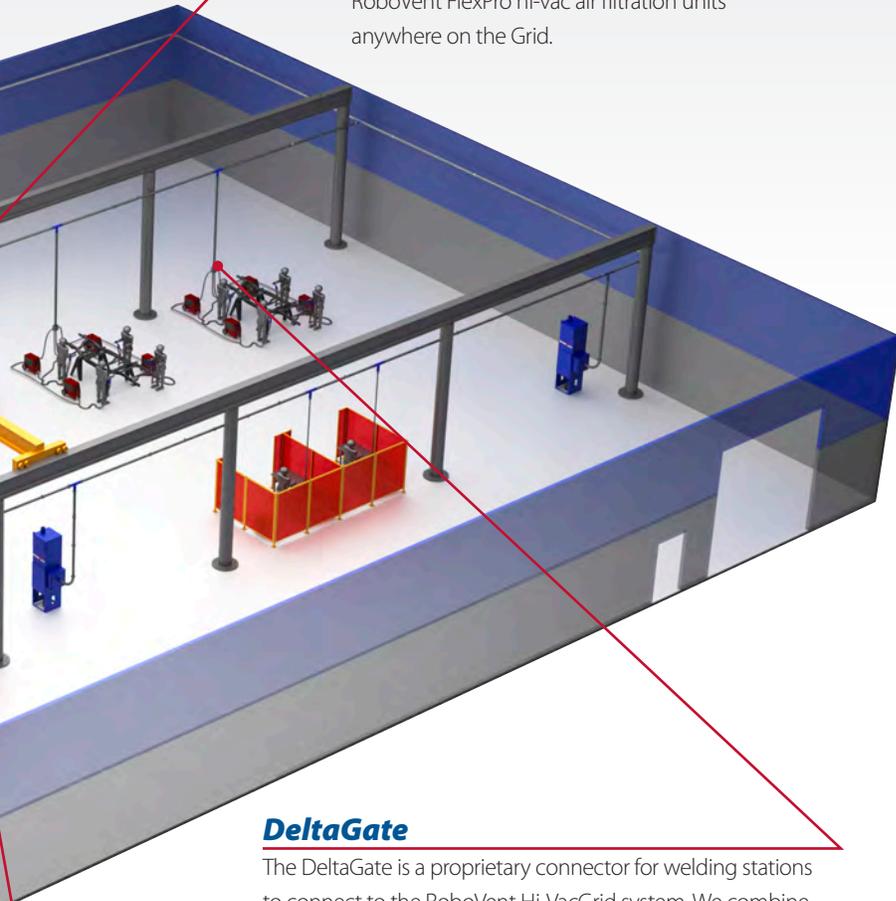
Do away with your portable shop vac units. The RoboVent Hi-Vac Industrial Cleaning System automates clean-out of dust collectors and acts as a powerful central vac for general facility cleaning. (See pages 10-11)



Reconfiguration Is Easy with Hi-Vac Grid

Hi-Vac Grid Connectors

Modular Hi-Vac Grid Connectors are the same size as the primary Grid ductwork sections, so you can place RoboVent FlexPro hi-vac air filtration units anywhere on the Grid.

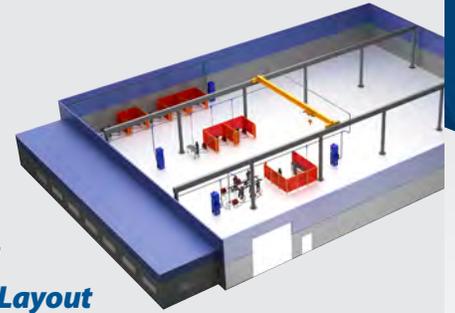


DeltaGate

The DeltaGate is a proprietary connector for welding stations to connect to the RoboVent Hi-VacGrid system. We combine our proprietary Delta3 spark arresstance technology with a system of automatic gates to control airflow in and out of each cell. Airflow can be increased or decreased in specific areas as needed, and directed to clear debris out of the system. DeltaGate can be integrated into the cell prior to set up and delivery, so it's ready to go as soon as the cell is assembled on site. See page 12 for details.

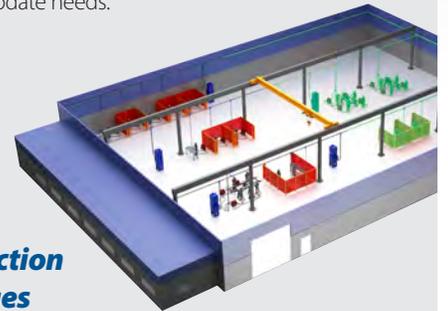
Grid Process Connectors

Grid Process Connectors can be placed anywhere on the primary grid duct system for maximum flexibility. These Process Connectors are used to connect the stations in your process to the primary grid ductwork that is connected to the dust collectors.



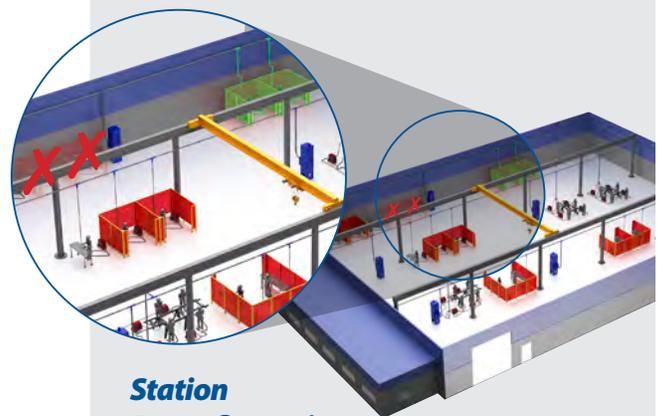
Initial Plant Layout

This image shows a plant with an initial layout and floor plan design with multiple stations and hi-vac collectors. This scenario depicts what your plant layout might look like in normal working and production conditions. As production needs fluctuate and facility-specific manufacturing processes change, the system can be easily altered to accommodate needs.



Production Changes

As your needs change, the system could change right along with you. For example, consider a scenario where you add ten new welding stations, as seen here. In order to accommodate the additional welding fume output, you simply add two additional hi-vac collectors to your configuration.



Station Reconfiguration

Now, imagine you have moved two welding stations to the other side of the plant. With the Grid system, the hi-vac collectors can be easily moved to wherever they are needed. The system will automatically self balance to optimize the new configuration.

RoboVent Hi-Vac Industrial Cleaning System

Cleaning out overhead dust collectors just got a whole lot easier. The RoboVent Hi-Vac Industrial Cleaning System is a rugged centralized vacuum that can be permanently attached to your dust collectors for easy, automated clean out. The high-vacuum system collects particulates from all of your dust collectors into a centralized bin for easy disposal. It can also be configured as an industrial-strength central vac for general facility cleaning.

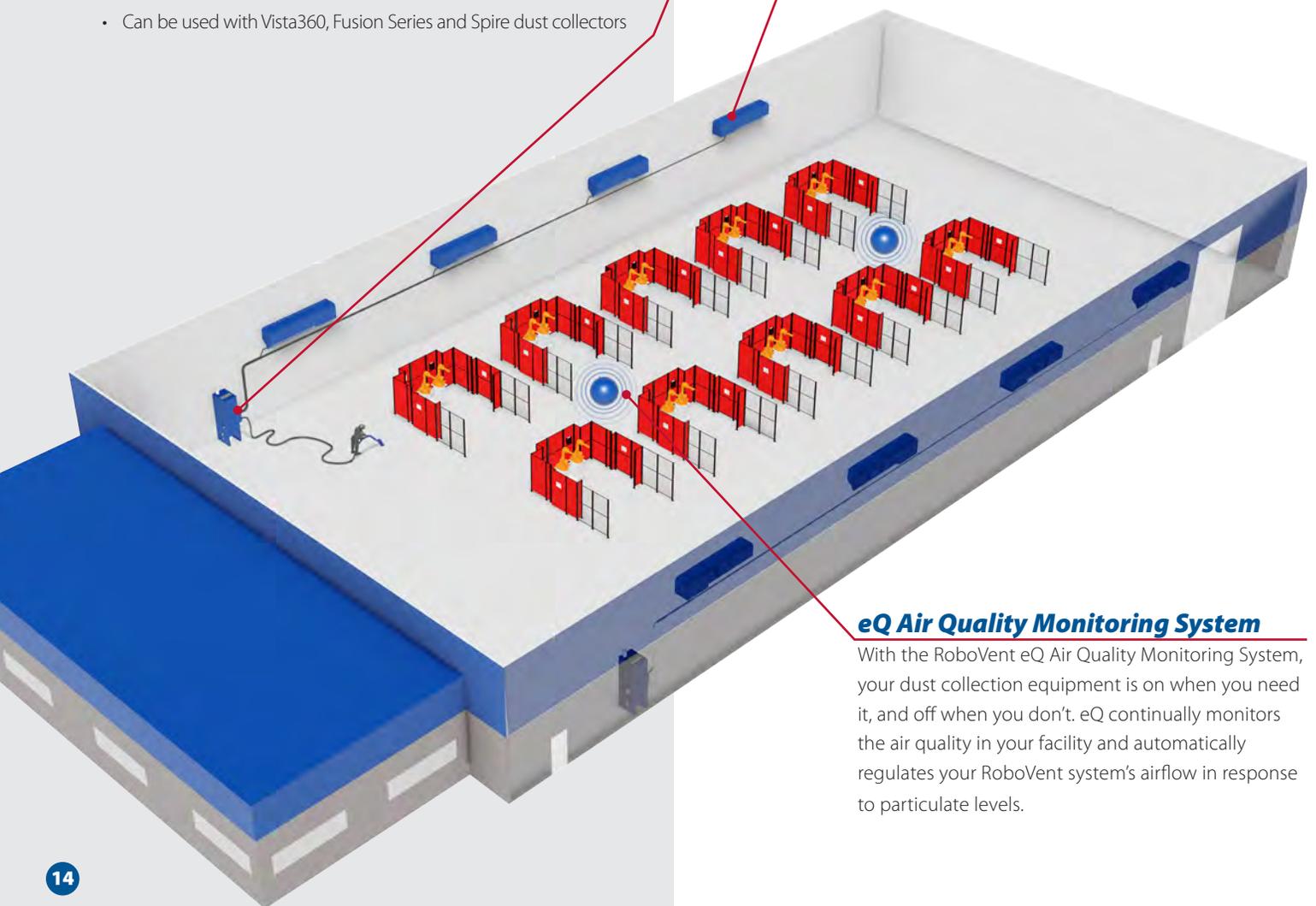
- Reduce dust collector maintenance time and costs
- Eliminate the need for ladders or scaffolding to clean out collection bins on ceiling-mounted dust collectors
- Reduce exposure to harmful particulates when cleaning out collectors or conducting general facility cleaning
- Can be used with Vista360, Fusion Series and Spire dust collectors

Hi-Vac Industrial Cleaning System

The RoboVent Hi-Vac Industrial Cleaning System is a rugged centralized vacuum that can be attached directly to your dust collection system for easy collection bin clean out. The central vac system eliminates the need for ladders or scaffolding to clean out collection bins on ceiling-mounted dust collectors.

Air Filtration Units

Dust collectors filter particulates out of the air and return clean air to the facility. The Hi-Vac Industrial Cleaning System connects directly to units such as the Vists360 (pictured).



eQ Air Quality Monitoring System

With the RoboVent eQ Air Quality Monitoring System, your dust collection equipment is on when you need it, and off when you don't. eQ continually monitors the air quality in your facility and automatically regulates your RoboVent system's airflow in response to particulate levels.

A Tough Central Vac for Your Dirtiest Jobs

The RoboVent Hi-Vac Industrial Cleaning System can do more than clean out your dust collectors! With additional piping and vacuum valves, it becomes a heavy-duty central vac system to replace your shop vac or other portable units. The system is tough enough to handle industrial debris (including grinding dust, nuts, bolts and washers, etc.) and is easy to customize for your needs and applications.

- Reduce time and effort for cleaning production areas and emptying multiple portable vacuum units
- Prevent harmful dusts from becoming airborne during typical broom-cleaning or bin emptying and reduce exposure to harmful particulates such as silica dust
- Reduce “trip and fall” hazards and workplace accidents common with portable equipment
- Improve workplace cleanliness, employee morale and public image

System Components

- **Piping** is installed throughout the production area to provide easily accessible plug-in points wherever they are needed.
- **Hoses** can be up to 45 ft. (15 m) in length and come in several diameters.
- **Accessories** are available for a variety of cleaning needs, including brushes, crevice tools, nozzles and extension wands.
- **Vacuum hose reels** keep hoses out of the way and accessible.

- **Vacuum valves** can be fitted with automatic start/stop switches, which activate the main vacuum systems when hoses are plugged in. (Optional)

- **Bin balance kit** allows for the bin to be fitted with heavy-duty plastic sack for ease of removal of collected waste.



RoboVent eQ™ Air Quality Monitoring System

Cut energy costs for your dust collection equipment by up to 25%.

With the RoboVent eQ Air Quality Monitoring System, your dust collection equipment is on when you need it, and off when you don't. eQ continually monitors the air quality in your facility and automatically regulates your RoboVent system's airflow in response to particulate levels.

eQ works with the eTell control system to modulate system performance in response to real-time conditions. eQ also links with your dust collector's eDrive system and regulates airflow, ramping the volume and speed up and down as necessary—reducing energy costs, noise levels, and equipment wear and tear, and extending filter life. At the same time, air quality is always kept within defined limits to protect worker health, safety and morale.

The perfect companion for any of RoboVent's ambient air quality systems, eQ allows you to:

- Get real-time air quality alerts and control system parameters on a tablet or smart phone
- Monitor air quality levels over time and identify meaningful patterns with user-friendly reports
- Reduce energy use and maintenance costs for air quality equipment

eQ can be implemented on Vista360, Spire360, Vortex or PushPull Systems.

eTell™ Intelligent Controls: Advanced Air Quality Controls for RoboVent FlexPro™

With patent-pending eTell™ Intelligent Controls from RoboVent, your FlexPro units will tell you what they need and when they need it. It's not about preventative maintenance—it's about *predictive* maintenance.

eTell eliminates costly and time-consuming maintenance routines and targets your efforts where they are truly needed. Just install the cloud-based software once, and let it tell you what needs to be done each month, or in real time. It will even tell you how to perform maintenance activities with easy-to-follow video instructions delivered right when you need them.

eTell is the *only* control system that is:

- **Predictive:** eTell can predict exactly how much life is left in your filters and when maintenance tasks should be performed based on your system use patterns.
- **Cloud-based:** Our cloud-based application gives you anywhere, anytime visibility for all of your equipment from multiple facilities on a single application.
- **Smart:** eTell learns your systems and processes and makes real-time adjustments to save energy and extend filter life.

The eTell Advantage

- Eliminate standard preventative maintenance routines and schedules.
- Cut maintenance costs by focusing only on what is actually needed.
- Access step-by-step video instructions so your team can perform maintenance activities without prior training.
- Track performance, energy use and maintenance needs for all of your dust collectors on your smart phone or tablet.
- Save money with smart software that learns your processes and adjusts energy use and self-cleaning cycles to reduce operational costs.

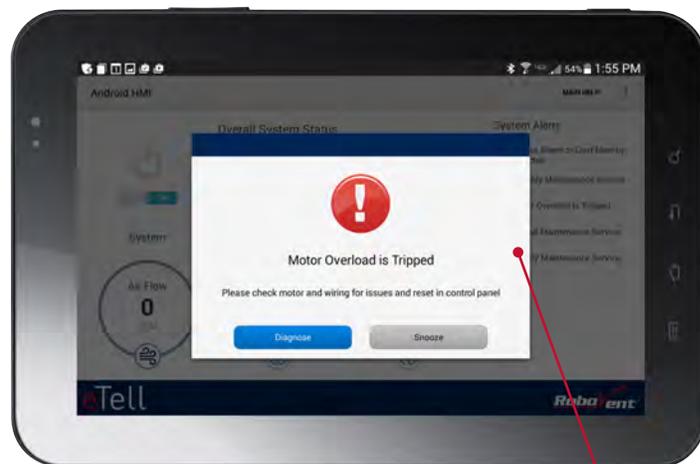


Manage Multiple Collectors

Now you can view and manage multiple FlexPro units across all of your facilities in one easy application. eTell lets you monitor the entire facility and see the alerts and alarms for all of your FlexPro machines in one place.

Predictive Analytics

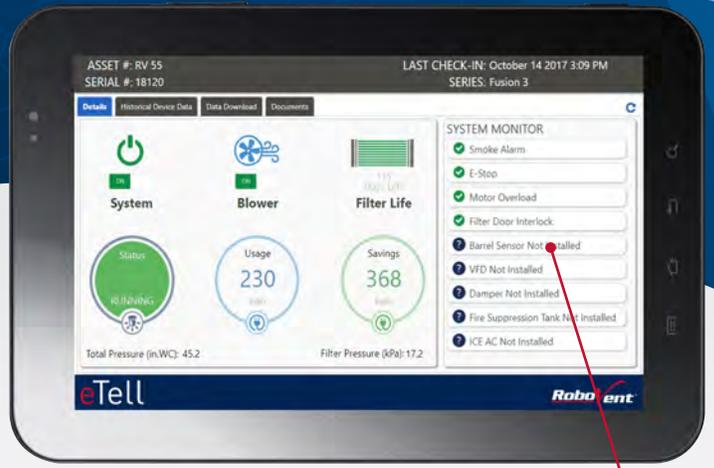
eTell uses advanced machine learning to analyze your systems and processes and make smart predictions on how future activities will impact filter life and maintenance needs. It uses this information to make simple, automatic adjustments that save energy and reduce costs. Easy-to-understand reports allow you to monitor energy use, filter life and other key metrics for each FlexPro unit in your network.



Reminders and Emergency Alerts

Get alerts and reminders right on your smartphone, tablet or computer. eTell will alert you if your FlexPro collector needs immediate attention and send timely maintenance reminders. You can set your communication preferences so you can be reminded as often (or as seldom) as you like.



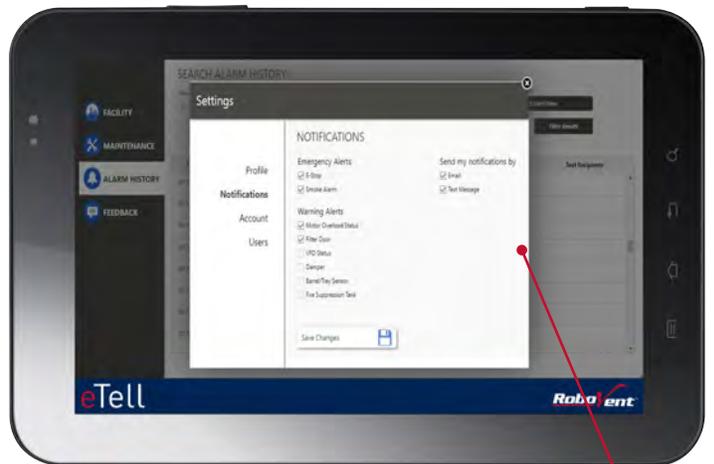
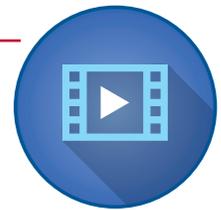


Collector Dashboard

Service technicians can pull up the eTell dashboard to get a full list of maintenance recommendations specific to each FlexPro collector. The dashboard tells you exactly what needs to be done, when it should be completed and approximately how long each task should take. It even provides links to helpful video tutorials right at the point of use.

Video Tutorials and Help

The application comes pre-loaded with links to online support materials, helpful supportive materials and general video tutorials for your system, allowing you to self-diagnose and address any item.



Preferences

Customize your reports and alerts setting for your preferred frequency and level of detail. You can get detailed reports for in-depth performance analysis or just "set it and forget it" and let your dust collectors call you only when they need you. eTell lets you adjust system preferences for your workflow and management style.

Maintenance Scheduling

Plant managers can easily monitor system performance and plan maintenance schedules based on each collector's needs. eTell lets you track updates, alerts and maintenance tasks for every collector in one place and generate a task list for each machine in your facility.



Factory Support 24/7

Our staff will be alerted if a problem is not addressed immediately, so we can help you stay on top of any issues that should arise. Rather than taking the time to fix any issues yourself, simply call RoboVent to have one of our trained technicians service your equipment on site.



eTell Premium Services (optional)

With Premium services, you'll have all of the standard eTell features plus remotely turning equipment on/off and a more intuitive machine maintenance package.



RoboVent eTell Intelligent Controls are the standard control package on RoboVent collectors. The RoboVent eTell App is available on Android and iOS devices through the Google Play and Apple App Stores. The eTell Website is available when eTell Server is installed in your facility.

Superior Filter Quality for Every Application

Durable and proven, our filter media provide outstanding performance in filtering fumes, smoke, dust and other particulates created during virtually any manufacturing process.



Endurex M11 Economy MERV 11

The Endurex M11 is RoboVent's Economy filter for applications where a low-cost filter is preferred. The M11 media is a fire retardant media that is good up to Merv 11 efficiency.

- Standard cellulose/poly media
- Good filtration for minimum cost
- RMO technology
- Efficient for particulate down to 0.1 micron in size
- Flame retardant media
- 176 °F / 80 °C Max operating temperature

Applications:

- Ambient Dust
- Blasting
- General Industrial
- Nuisance Dust
- Weld Smoke
- Other Light Loading Dust

Endurex D12 DefendEx™ MERV 12

The Endurex D12 is a specially blended media for oil-laden particulate. The media is specifically formulated with an extremely durable phenolic resin system where each fiber is individually coated instead of a film formation.

- Special formulated media with resin impregnated fibers for extreme durability against liquids/oils
- Good for oily smoke applications
- RMO technology
- Filtration efficiency down to 0.15 microns
- Non flame retardant media
- 210 °F / 99 °C Max operating temperature

Applications:

- Agglomerative Dust
- Hygroscopic
- Moist
- Some Abrasive Dust
- Very Oily Weld Fume

Endurex A15 Nanofiber MERV 15

The Endurex A15 is RoboVent's high quality cellulose/polyester blend that provides superior filtration efficiency and long life in welding applications. Every filter is fire retardant and uses Nanofiber technology to achieve long filter life.

- Nanofiber membrane laminated to cellulose/poly substrate
- Long filter life
- Low differential pressure
- RMO technology
- High efficiency for particulate down to 0.1 micron in size
- Flame retardant media
- 149 °F / 65 °C Max operating temperature

Applications:

- Air Blasting
- Fumed Silica
- General Industrial
- Metal Grinding Dust
- Metalizing
- Pharmaceutical
- Weld Smoke
- Wheel Blasting

Endurex B16 PTFE MERV 16

A premium filter offering superior performance in both filter efficiency and longevity. The PTFE coating allows collected material to shed easily and quickly, extending the filter life and providing a very high level of filter efficiency. The Endurex B16 is rated at MERV 16, a level that approaches HEPA filtration standards.

- PTFE membrane laminated to polyester spunbound substrate
- Excellent particulate release
- RMO technology
- Ultra high efficiency for very fine particulate 0.1 micron and below
- Non flame retardant media
- 200 °F / 93 °C Max operating temperature

Applications:

- Chemical Processing
- Food Processing
- General Industrial
- High Production Wheel Blasting
- Laser and Plasma Cutting
- Pharmaceutical
- Polishing
- Weld Smoke

ClientCare Service Program:

Service options for every need and budget

Whether you want us to handle all monthly preventative maintenance for you, or simply need regular equipment checks to make sure everything is in top condition, we can help you find a service package that meets your needs.

We offer three levels of ClientCare service. Our service packages let you leverage our expertise so you can reduce the burden on your maintenance staff, control your maintenance budget and stay focused on your business.



CompleteCare™ Maintenance Program

With the CompleteCare™ Maintenance Program, you can leave everything to us. Depending on your equipment needs and usage, our technicians will come in monthly, bi-monthly or quarterly to change filters, conduct routine maintenance, and troubleshoot emerging issues. CompleteCare is a comprehensive maintenance package designed to give you peace of mind, extend the life of your equipment and reduce the maintenance burden on your staff.

Three Levels of Service

Choose the level of service that's right for you.

	CompleteCare™ Maintenance Program	Equipment Certification Program	ClientCare Service Quality Check Program
Service/Inspection Report	★	★	★
Service Recommendations	★	★	★
50-Point System Check	★	★	—
Client Review Meeting	★	★	—
Full Warranty	★	—	—
Change Filters	★	—	—
Perform Preventative Maintenance	★	—	—
Review of Service Records	★	—	—
Troubleshooting	★	—	—
RoboVent Takes Full Responsibility	★	—	—



Equipment Certification Program

Our Equipment Certification Program, offered on a quarterly, bi-annual or annual basis, will help you extend the life of your equipment and protect the safety of your workers with regular inspections by certified RoboVent technicians. We'll identify any emerging issues and make proactive maintenance or repair recommendations to prevent unexpected downtime and ensure that your equipment is running at top efficiency.



ClientCare Service Quality Check Program

If you would rather conduct your preventative maintenance in-house, our ClientCare Service Quality Check Program will ensure that your maintenance team is performing world-class PM service that meets all RoboVent standards. Our technicians can come in monthly, quarterly or bi-annually to review service records and make recommendations for your maintenance staff. We'll make sure that maintenance staff are conducting the right services on the right schedule to maintain your equipment in top condition and help them troubleshoot any emerging issues they have identified.

*Manual
Welding Fume
Extraction*



*Integrated
Cooling
Equipment*



*Robotic
Welding Fume
Collection*



*Maintenance
Programs*



*Oil Mist
Extraction*



*Full-Plant /
Ambient Air
Cleaning Systems*

*Dust Collection
Systems*



*Mobile Dust
Collectors*



*Laser & Plasma
Cutting Fume
Collection*

*Aftermarket
Replacement
Filters*



RoboVent[®]

Improving Lives through Clean Air[™]

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