

EUROVAC



HIGH PERFORMANCE CENTRAL VACUUM SYSTEMS

EXPERIENCE THE ULTIMATE IN DUST CONTROL TECHNOLOGY

- High efficiency industrial grade pumps designed to run 20,000+ hours of continuous operation
- Superior filtration with built-in primary cyclonic separation prior to final bag or cartridge filters
- Properly engineered layouts help increase productivity and efficiency by allowing placement of vacuum drops exactly where needed
- Eliminates portables, which reduces breakdowns and shop noise; and gets rid of loose cords on the floor keeping work areas safer
- Reduces health risks from harmful airborne fumes and dust
- Reduces the possibility of dust contaminating paint areas which ensures a quality finish and cuts cleanup labor expenses
- Dust extraction systems extend the life of sandpaper and increases savings by 30-50%
- Experienced guidance on how to protect your facility from the dangers of combustible dust and ensuring compliance with OSHA, NFPA, EPA and ATEX regulations

EUROVAC CENTRAL VACUUM SYSTEMS

A Wide Range Of High Performance Industrial Vacuum Systems

Eurovac will work with you to design the central vacuum system that best suits your needs based on dust type, longest run and number of operators. You will experience a cleaner, safer and healthier working environment with superior vacuum performance waiting for use at convenient locations around the shop.



Eurovac II Central Vacuum Systems

- Economical alternative to the Eurovac I System, designed for 1 to 2 technicians cleaning or up to 4 technicians sanding at the same time
- 2.5HP and 5HP single phase brush motors rated for 4,000 hours of intermittent use
- Filtration consists of a primary cyclonic separator and a final 8" x 16" cartridge filter making it superior to any portable
- Manual pulse jet cleaning comes standard with the 5HP system and is an optional upgrade to the 2.5HP system
- Conveniently located start/stop stations are recommended to maximize operating life of the brush motors
- Longer duty cycle brushless motors rated for 20,000 hours are available as an upgrade



Eurovac I Regenerative Blower Central Vacuum Systems

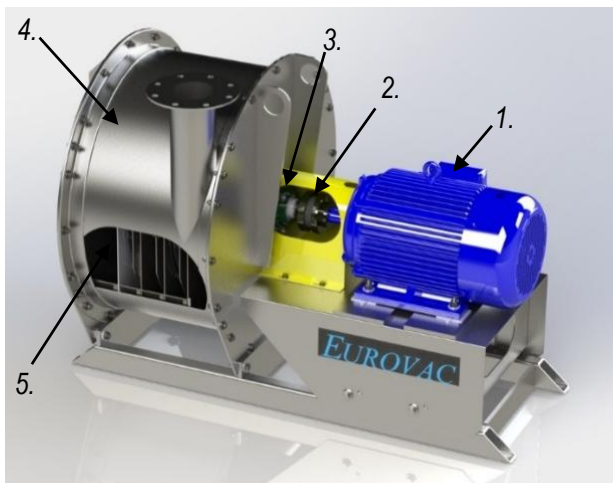
- Designed for 2 to 4 technicians cleaning or up to 8 technicians sanding at the same time
- 5HP, 10HP and 15HP (220, 380, 440 or 575 volt three phase) regenerative blowers with induction motors rated for 20,000 hours of continuous use
- Primary cyclonic filtration, followed by cartridge filters and final automatic compressed air pulse jet cleaning keep systems operating at high vacuum performance with little to no maintenance required
- Sound attenuation cabinet for reducing vacuum blower noise levels

EUROVAC CENTRAL VACUUM SYSTEMS

A Wide Range Of High Performance Industrial Vacuum Systems

Eurovac III Centrifugal Multi-Stage Pump Central Vacuum Systems

- Designed for production shops with 5 to 40+ technicians cleaning or sanding at the same time
- 10 to 150 HP (220, 380, 440 or 575 volt three phase) centrifugal multi-stage fabricated pumps with induction motors rated for 20,000 hours of continuous use
- Multi-stage pumps can be set at various vacuum levels from 5" HG (68" water column) for short pipe runs to 10" HG (135" water column) to offset friction losses on long pipe runs of over 250'
- For applications which require over 2500 CFM or vacuum levels higher than 10" HG, Eurovac provides a housing that is cast for added industrial durability and performance
- Large aluminum impellers and custom one piece housings result in a vacuum pump that is far more efficient than competitive products that typically have smaller steel impellers and sections held together with tie-rods
- Primary cyclonic filtration followed by cartridge filters and final automatic compressed air pulse jet cleaning keep systems operating at high vacuum performance with little to no maintenance required



1. TEFC (Totally Enclosed Fan Cooled) Premium Efficiency Motor
2. Coupling sleeve (motor to shaft) connection for quick easy maintenance.
3. 4 Bolt Flanged Bearing (x 2)
4. Blower housing accepts up to 5 impellers.
5. Dynamically balanced aluminum impellers with 10+ different widths & diameters that perfectly tailor the performance to the layout.

EUROVAC DUST COLLECTION SEPARATORS

Superior Filtration For The Most Demanding Applications

Cartridge Filter Separators

A Eurovac separator is designed to remove 99.93% of debris and particles at 3 microns or larger from the air stream before they reach the exhauster. This is necessary to protect the pump from damage and prevents contaminants from being released back into the atmosphere.

We use a combination of cyclonic filtration, secondary cartridge filters and final compressed air pulse jet cleaning. This permits continuous cleaning while the system is running. Most typical dust capture applications will be suitable for use with polyester cartridge filters (Merv 12), however; certain applications may require an alternative filter media, such as nanofiber (Merv 15), or PTFE (Merv 16).

HEPA Filtration

Eurovac also offers final HEPA filtration when needed which will remove 99.97% of dust to .3 micron or larger.

Pre-Separators

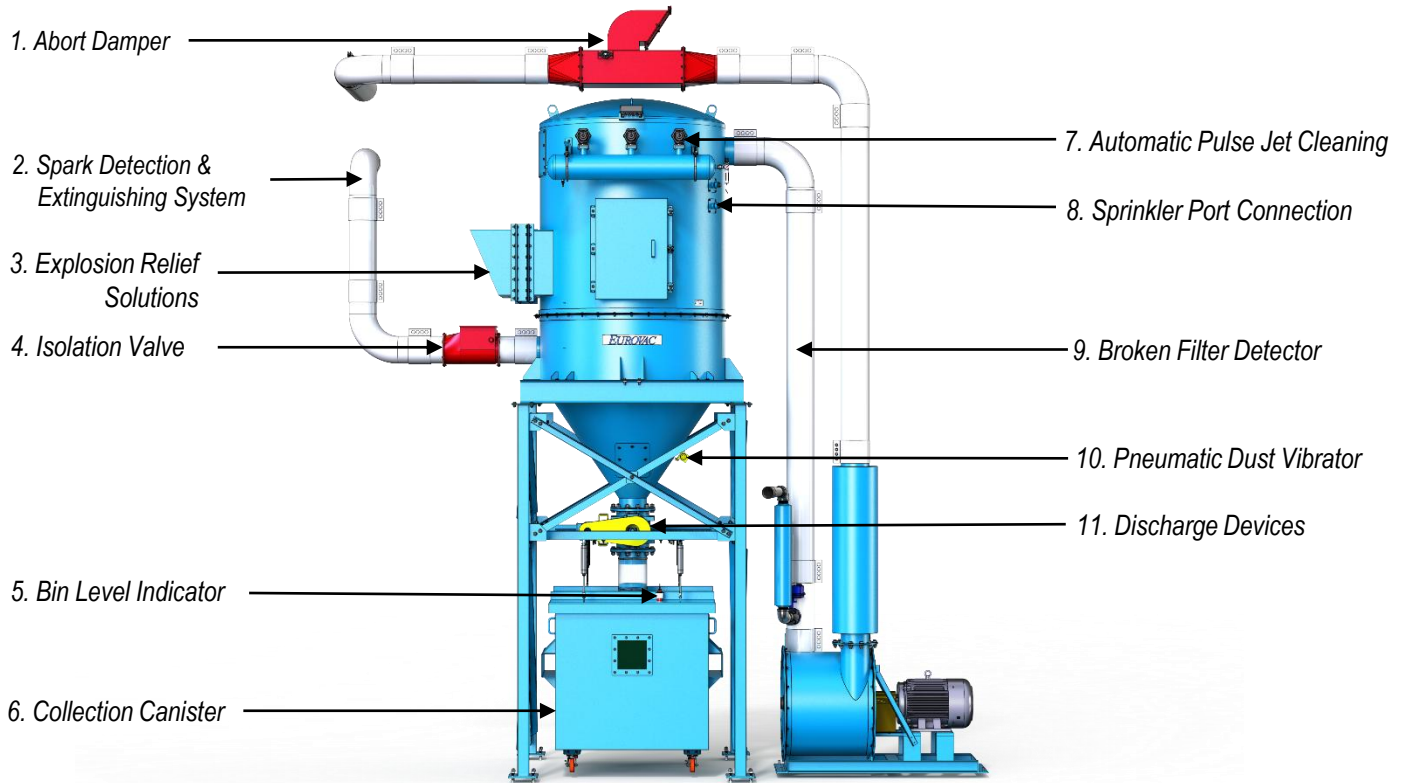
For applications with high dust loading we recommend the addition of a cyclonic pre-separator which will remove 85% to 90% of the dust prior to the main filter separator.



EUROVAC DUST COLLECTION SEPARATORS

Separator Solutions For Optimal Performance & NFPA Compliance

Depending on the type and volume of dust being captured, Eurovac will equip your filter separator with the necessary collection capacity and safety devices to ensure your system will operate (day in day out) with minimal maintenance.



1.) Abort Damper

- If air is returned into the facility a high speed abort damper will divert non-extinguished harmful material to a safe area outside

2.) Spark Detection & Extinguishing System

- Senses sparks from inlet side tubing and activates water spray assemblies

3.) Explosion Relief Solutions

- Relief vents release pressure and vent an explosion to a safe area
- Flameless Relief Valves combine pressure relief with flame arresting without allowing flames to escape into the environment
- Chemical Agent Suppression Systems detect and extinguish an explosion inside of the collector in its early stages

4.) Isolation Valve

- Back pressure will shut the isolation valve thus preventing the spread of an explosion back into the facility

5.) Bin Level Indicator

- Monitors material levels inside a canister and prevents overflowing

6.) Collection Canisters

- Collection Canisters ranging from 5 gallon up to 6 cubic yards depending on the dust loading requirements

7.) Automatic Pulse Jet Cleaning

- Filters are automatically cleaned periodically by a blast of compressed air

8.) Sprinkler Connection Ports

- Sprinkler heads are installed inside of the separator and will activate in the event of a fire

9.) Broken Filter Detector

- Continuously monitors for filter media leakage

10.) Pneumatic Dust Vibrator

- Vibration of the cyclone helps shake dust down into the canister

11.) Discharge Devices

- Rotary Airlocks or Double Dump Valves control material discharge and prevent combustible dust release above the canister

EUROVAC CONTROL PANELS

Covering All Your Control Needs

All Eurovac panels are built in house by experienced electrical technicians. Our panel shop is certified and conforms to UL508A Standards as well as CSA 22.2 no 286 Standards.

Below highlights some of Eurovac's sophisticated control panel capabilities

- All 3 Phase Voltages available (208, 240, 380, 415, 480 & 575 Volts) in both 50Hz or 60Hz
- On/Off Starters with Overload Protection
- Step Down Transformers to low voltage for remote start/stop capabilities
- Variable Frequency Drive (VFD) to speed up and slow down vacuum on demand
- Soft Starters to bring a blower up to full speed
- Lead/Lag Panels for multi-pump systems allow one pump to start operation and the other to kick in when additional demand is required
- Disconnects
- Programmable Logic Controller (PLC) Panels with touch screen technology
- Stainless Steel and/or Nema 4X Panels for outdoor environments
- Remote Connection Capability enables Eurovac to remotely service your panel
- BACNET (Building Automation Control)
- Inputs available for optional additions such as:
 - Dust Bin Level Relay
 - Non Return Isolation Valve Sensor Relay
 - Explosion Vent Relay
 - High Temperature Relay
 - Fire Suppression/Spark Detection Relay
 - Rotary Airlock Operation Relay



PLC Control Panel



Variable Frequency Drives (VFD's)



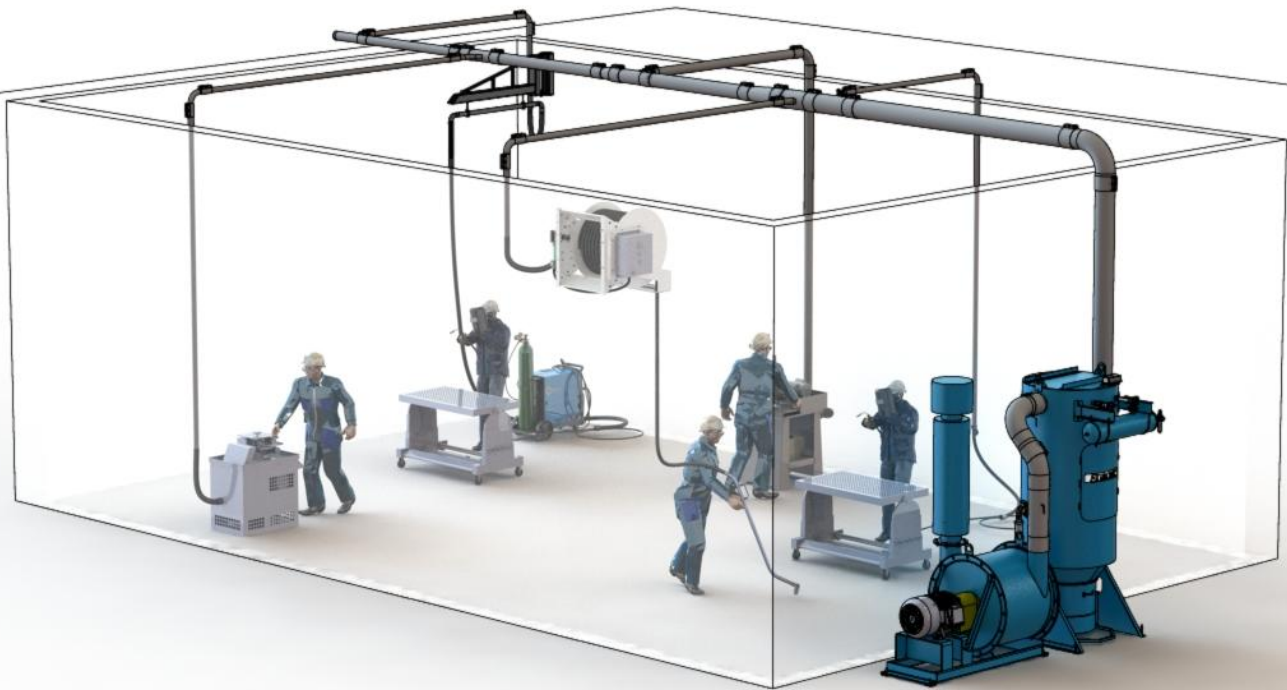
Stainless Steel Outdoor Rated Panel



Eurovac III with PLC Control Panel

PROPERLY ENGINEERED VACUUM SYSTEMS

Graduate And Long Sweep Your Way To Consistently High Vacuum Performance



Eurovac's team of exceptional engineers are dedicated to ensuring each vacuum system is designed with the proper tube, bends and fittings for ultimate performance. A properly designed system will provide a constant conveying air speed with tubing sizes ranging from 2" at the end of the run and graduating up to 12" at the pump (depending on the system size and the number of drops on the tubing run). If exact design velocities are required, we offer end of line bleed valves that are spring loaded or electric. These devices will bleed air into the ends of the lines as the drops open and close to ensure the design velocities are maintained and dust makes its way back to the main collector.

Systems are typically setup with 14 to 16 gauge galvanized tube, bends and fittings which ensure the system is fully grounded and industrially durable. Stainless steel and aluminum tube, bends and fittings are available as an upgrade for certain applications.

All fittings come with long sweep elbows to limit friction loss for maximum vacuum performance.

Tube and fittings are sealed and secured with either heat shrink sleeves or 3 bolt compression couplings. Compression couplings ensure a rigid tubing system set up, and allow for easy access to all points within the system in the off chance a clog in the line occurs.



Tube, Bends & Compression Couplings



End of Line Bleed Valve

VACUUM INLETS, REELS & BOOMS

Eurovac Drops: Right Where You Need Them

Eurovac offers a wide variety of vacuum inlet drop connection options for convenient operation. Vacuum inlet drops are typically wall mounted or hanging; however, spring return hose reels, motorized hose reels or extension booms can be added for additional convenience.



Drop Options:

- Single or Double Inlets
- Manual, Pneumatic or Electric Slide Gates
- 1.5" to 4" Inlet Connections
- Wall, Hanging or Flush Mount Inlets
- Spring Return or Motorized Hose Reels
- Pendant Drops including 110v electrical plug
- 5' to 30' Single or Double Pivot Extension Booms
- On/Off Vacuum Switches located beside drops
- Integrated Compressed Airlines

VACUUM READY HAND TOOLS & CLEANING ATTACHMENTS

Eurovac Is The Source For Source Capture Tools

Eurovac offers a wide range of source capture tools (i.e. orbital sanders, grinders, routers, trimmers) and housekeeping vacuum tools to ensure a fully functional system that captures dust and debris right at the source.

High quality user friendly dust capture tools, vacuum hoses and accessories



EUROVAC EQUIPMENT COLORS

Bring Color To Your Site



Industrial Grade Powder Coat Paint

With over 30 years of in house powder coat painting experience, your site is guaranteed to look sharp with a Eurovac painted product.

Choose from our standard eight primary colors or dive into the endless RAL options available to you. However if your site needs an exact color, we are ready and willing to work on the specifics with you.



For more information, contact Eurovac:

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