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# SAFER OPERATION SOLUTIONS



**Bebco Environmental**

*Hazardous & Industrial Climate Control Solutions*

***The Leaders in Hazardous Location HVAC Technology™***

Explosion-Proof Air Conditioners,  
NFPA 496 Pressurization Units,  
Coil Coatings, & Field Services



# Safety, Quality & Reliability

Bebco Environmental Controls Corporation is a leading manufacturer of hazardous location, industrial-duty, and corrosion-resistant explosion proof air conditioners.

We focus on Hazardous Location Heating, Ventilation, Air Conditioning and Pressurization product solutions that are designed to withstand the detrimental effects of highly corrosive industrial environments.

## Free On-Site Evaluations!

In addition to complementary specification development, technical support, and on-site start-up assistance, we offer no-obligation code compliance evaluations to ensure the safety of you and your colleagues!

Give us a call to discuss your situation, and we'll be happy to satisfy your safety goals!





## Why Bebco?

### Experience Matters

Our team of experts have well over 100 years of combined experience at specifying safe industrial HVAC solutions. Our unparalleled commitment will exceed your expectations during every phase of our relationship. You also benefit from our nation-wide service tech network, that provides comprehensive preventive maintenance and fast emergency repair services!

### Uptime Is Important

We carry ample inventory and our units can easily match competitor profiles and functions, so drop-in retrofits save time and money. Many units are also UL or ETL Certified to meet all applicable North American hazardous location codes and standards!

### Quality Assurance is our Primary Goal

Each product is performance tested for a minimum of 10-20 hours prior to shipment, which ensures your product will perform properly from day one and provide an optimal service lifespan!

### Superior Warranties & Service

A 2 Year Limited Parts & Labor Warranty applies to all products except EAC Units and our Premier Coatings, which are covered by a special 5 Year Service Warranty. We resolve simple service issues promptly and provided expedited field responses.



## PRODUCTS & SERVICES

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We wish to express our humble gratitude to the many clients who've shared their experiences with our company for your benefit. Some testimonials presented in this document are edited or modified with permission to fit within the available space. We encourage you to review all testimonials as originally composed at [www.exphvac.com](http://www.exphvac.com).

*"We've purchased over a million dollars in air conditioners and pressurizing units from Bebco Environmental, without a notable problem to mention. On a recent service call they even made some repairs to equipment that wasn't manufactured by Bebco, just to make our customer happy. Its service like this that keeps us coming back time-after-time to purchase more of their products."*

— Cody Sargent, South Coast Technology

# Compact, durable, and powerful cooling solutions for your electronic enclosures and cabinets



## ENCLOSURE & CABINET ACs

### Model CEAC, NEAC, HEAC & TEAC Units

Bebco EAC Series Enclosure Air Conditioners provide 2,000 to 20,000 BTUH of cooling force for enclosures, cabinets, or consoles located in harsh or corrosive industrial environments. A wide range of options include remote alarm contacts, low and high ambient temperature control, extended temperature probes, and unit controlled convection heaters that provide 225 to 1,500 watts of heating to automatically maintain stable temperatures.

#### Advantages & Features

- Digital Temperature Controls
- Refrigerant System Service Ports & Ambient Control
- Advanced Compressor Protection & Condensation Control
- Optional Stainless Steel or Aluminum Cases & Coil Coatings
- Compact & Narrow Profile Units for small and shallow enclosures
- High Capacity & Top Mount Units for larger enclosures and cabinets

#### Applications



The Temperature of Large Enclosures is easily controlled by our 10,000 to 20,000 BTUH HEAC High Capacity Units



Small Enclosures are best suited for our 2,000 to 8,000 BTUH CEAC Compact Profile and NEAC Narrow Profile Units



A 6,000 BTUH NEAC Unit cools the bottom compartments of this portable pump enclosure



For Class I, Div. 2, Group A-D & Highly Corrosive Area Applications!



*“Bebco’s enclosure AC units are very robust and ideal for all of our applications. We especially appreciate their emergency loaner program that keeps us up and running at all times!”*

— Shane Matherne, BASF

# Exceptional functionality with economical or smart controls for small control rooms, labs and analyzer shelters



## THROUGH WALL ACs & HEAT PUMPS

### Model TAC & THP Units

Bebco Model TAC & THP Through Wall & Window Mount Units are available in sizes ranging from 9,000 to 28,000 BTUH and are ideal for small rooms or buildings with multiple rooms. All Units feature digital temperature controls and service ports along with optional stainless steel cases and coil coatings to withstand extremely harsh environments. Best of all, Heat Pump configurations with axillary heating strip options provide exceptional comfort heating!

#### Advantages & Features

- Digital Temperature Controls
- Refrigerant System Service Ports
- Slide-Out Chassis permit easy service
- Optional Stainless Steel Cases & Coil Coatings
- Eco Cool™ & Eco Pump™ Controls with optional remote controls
- Smart Cool™ & Smart Pump™ Controls with advanced touchscreens

For Class I, Div. 2,  
Group A-D  
& Highly Corrosive  
Area Applications!



### Applications



This Boiler Unit Control Room's climate is controlled by a Bebco Model TAC Smart Cool™ Unit and Convection Heater



This Sample Preparation Lab's climate is easily controlled by a Bebco Model THP Smart Pump™ Unit



This Motor Control Center features a Bebco Model THP Smart Pump™ with Alarm Contacts to activate a Remote Alarm Device

*"The Bebco Window Unit is great! It keeps the room at a perfect temperature, and it's easily serviced. The digital display is fantastic, it also identifies any problems and customer service was exceptional, so I recommend this Unit to everyone and will keep installing them!"*

— Nick Harad, Allied Control & Mechanical

# Space saving and ergonomic temperature control solutions for control rooms, crew quarters and safe havens



## SPLIT SYSTEM ACs & HEAT PUMPS

### Model SAC & SHP Units

Bebco Model SAC & SHP Split System Air Conditioners and Heat Pumps provide 9,000-36,000 BTUH of comfort cooling and heating for spaces where wall space is very limited. Indoor units require only 2" of ceiling clearance, controls can be integrated, wall mounted or remote controlled, and outdoor units can be separated by a distance of up to 50 feet!

#### Advantages & Features

- Digital Temperature Controls
- Low Ambient Protection System
- Advanced Compressor Protection
- Integrated, Wall Mounted or Remote Controls
- Optional Stainless Steel Condenser Unit Cases
- Condenser Unit Coil Coatings & Optional Mounting Brackets
- Eco Controls w/ Remotes & Smart Controls w/ Touchscreens



For Class I, Div. 2, Group A-D & Highly Corrosive Area Applications!

### Applications



An Offshore Drilling Rig Crew Quarters Balcony features 27 Bebco Model SAC Split System Condenser Units



This Crew Quarters Locker Room benefits from the remote controlled cooling force of a Bebco Model SAC Split System Evaporator Unit



This Security Center features a Bebco Model SHP Stainless Steel Split System Smart Pump™ to free-up vital interior space

*"We purchased a Bebco Smart Pump Split System Unit and are very pleased with its performance. It arrived in excellent condition, and Bebco quickly shipped a missing cable overnight, to keep us on schedule. The Unit then started easy and runs great!"*

— Kenneth Baskins, Baskins HVAC

# Rugged and self-contained solutions maximize critical wall space for mobile units, crane cabins, and kiosks



## ROOF MOUNT ACs & HEAT PUMPS

### Model RAC & RHP Units

Bebco Model RAC & RHP Roof Mount Units are available in 13,500 BTUH Air Conditioners and 15,000 BTUH Air Conditioners and Heat Pumps. These Units are ideal for all mobile units or crane cabins and security kiosks that need wide visibility. All Units feature digital temperature controls and service ports along with optional stainless steel cases.

### Advantages & Features

- Digital Temperature Controls
- Low Ambient Protection System
- Advanced Compressor Protection
- Ceiling Grille or Wall Mounted Controls
- Optional Stainless Steel Cases & Coil Coatings
- Grille Only, Ducted Only or Combination Discharges
- Eco Controls w/ Remotes & Smart Controls w/ Touchscreens

### Applications



Mobile Mud Logging Units maintain critical transportation width with Bebco Model RAC Roof Mount Air Conditioners



Wall Space is fully optimized for Wire Line Units with multiple Bebco Model RHP Stainless Steel Roof Mount Heat Pumps



The Climate of Offshore Rig Crane Cabins are easily managed by Bebco Roof Mount Units

For Class I, Div. 2,  
Group A-D  
& Highly Corrosive  
Area Applications!



*“Since 2013, Bebco Environmental has provided a full fleet of Roof Mount Air Conditioners for our Wire Line Units. Their exceptional level of commitment and immediate attention to our service needs has exceeded every expectation!”*

— Normand Miller, Halliburton

# Advanced, versatile and economical environment control solutions

for control rooms and large equipment buildings



## WALL MOUNT ACs & HEAT PUMPS

### Model WAC & WHP

Bebco Model WAC & WHP Wall Mount Air Conditioners and Heat Pumps provide 12,000 to 72,000 BTUH (1-6 Tons) of comfort cooling and heating. Numerous features and options include integrated pressurization and gas phase filtration, smart snouts or smart grilles, digital, analog or touchscreen controls and a wide variety of case materials and finishes to satisfy any application!

#### Advantages & Features

- Integrated or Remote Temperature Control
- Advanced Compressor & Motor Protection
- Low & High Ambient Temperature Protection
- Integrated Pressurization, Ventilation & Filtration
- Optional Stainless Steel Cases & Powder Coat Finishes
- Smart Snouts with Indoor Electrical Control Component Access
- Smart Grilles with Easy Access Filters & Integrated Unit Controls

For Class I, Div. 1 & 2,  
Group A-D  
& Highly Corrosive  
Area Applications!



### Applications



An Analyzer Shelter is fully protected by a Bebeco Model WAC Unit that's paired with a Model WMP Wall Mount Pressurization Unit



This Bebeco Model WAC Unit features an integrated Variable Speed Pressurizer to declassify a Refinery Control Room



Two Bebeco Model WAC Units provide redundant cooling and heating with a shared Bebeco Variable Speed Pressurization Unit

*“We are very happy with our Bebeco Environmental Controls combination HVAC and pressurization units in service at our refinery. The units are well made, we have not experienced any trouble with them at all and we just placed another order.”*

— Stephen Warner - Ergon Refining



# Ground or roof mounted solutions provide critical cooling and heating for blast rated and large buildings with multiple rooms



## PAD MOUNT ACs & HEAT PUMPS

### Model PAC & PHP

Bebco Model PAC & PHP Pad Mount Units are available in 12,000 to 300,000 BTUH (1-25) Ton capacities for roof or ground level locations. They are ideal for blast-rated or multi-rooms buildings. Bebco also provides installation solutions, by furnishing all exterior ductwork, along with interior ductwork and registers above or below ceilings.

#### Advantages & Features

- PLC Driven Solid State Electronic Controls
- Advanced Compressor & Motor Protection
- Low & High Ambient Temperature Protection
- Optional Stainless Steel Cases & Coil Coatings
- Optional Integrated Pressurization, Ventilation & Filtration
- Optional Exterior & Interior Ductwork, in any material or finish
- Optional Wall Mounted Controls or Programmable Thermostats

#### Applications



This Blast-Resistant Safe Haven for Refinery Workers features a roof-mounted Bebco Model PAC Unit fitted with a blast resistant discharge dampener that supplies internal ductwork and registers



A Bebco Model PAC Unit with an integrated variable speed pressurizer along with external and internal ductwork and registers controls the temperature of this RIE Building in a Chemical Plant

Available with



Intertek  
Limited Product  
Certification

For Class I, Div. 1 & 2,  
Group A-D  
& Highly Corrosive  
Area Applications!



*“In these tough times, where heavy restrictions have been placed, having your team ready to respond helps put my mind at ease. I appreciate the work you’ve done and look forward to continuing in the future.”*

— Shane Matherne, BASF

# Stand-Alone NFPA 496 compliant building pressurization solutions

for separately air conditioned rooms and buildings



## WALL & REMOTE MOUNT PRESSURIZERS

### Model WMP & RMP

Bebco Model WMP & RMP Wall & Remote Mount Pressurizers are ideal for rooms or buildings that require pressurization and feature a separate cooling and heating system. They provide code compliant and fully automated pressurization and air velocity through multiple doorways, and are offered with all essential accessories, including disconnects, spiral and rigid intake stacks and gas detectors.

#### Advantages & Features

- Adjustable Motor Ramp-Up Speed
- Thermal Overload Protected Motors
- Free Standing or Spiral Pipe Air Intake Stacks
- Fully Automatic & Maximum Speed Override Controls
- Optional Power Disconnects & Hand-Off-Auto Switches
- Washable Air Exhaust & Optional Washable Air Intake Filters
- Optional Gas Detection Systems & Pressure Loss Alarm Contacts

#### Applications



For Class I, Div. 1 & 2,  
Group B-D  
& Highly Corrosive  
Area Applications!



#### Whisper Drive™ Technology



A Bebco Model RMP supplies a Bebco Model PAC Unit to protect this Refinery Gate Security Center



This Fiberglass Analyzer Shelter is protected by a Model WMP Unit and a separate Model WAC Air Conditioner



This Fire Deluge Pump Building is protected with a Model WMP Unit and free-standing Model RPS Rigid Pipe Stack

*“Thank you and your team for all the hard work you have done for pushing this critical path item to meet dates. Very responsive and good communication. We appreciate that as we don’t get that from many vendors. Once again, thank you.”*

— Paul Merrill, LQT Industries

# API RP 500 air exchange and temperature regulation solutions for analyzer shelters and equipment buildings



## WALL & ROOF MOUNT VENTILATORS

### Model WMV & RMV

Bebco Model WMV & RMV Wall & Roof Mount Ventilators provide exhaust or supply ventilation to remove flammable gas or excess heat. They satisfy API RP 500 recommendations, and feature economical or seal-welded housings in optional materials and finishes. We provide a wide range of accessories and options including curb flanges, stack assemblies and discharge grilles.

#### Advantages & Features

- Thermal Overload Protected Motors
- Economical or Seal-Welded Housing Styles
- Washable Air Filters & Optional Wall or Ceiling Grilles
- Painted Galvanized Steel or Stainless Steel Housings
- Optional Barometric or Electrically Controlled Dampers
- Optional Power Disconnects or Hand-Off-Auto Switches
- Optional Gas Detection or Loss of Flow Alarms & Thermostats

All Electrical Devices are UL Classified or Listed

For Class I, Div. 1 & 2, Group A-D & Highly Corrosive Area Applications!



### Applications



API RP 500  
Air Exchange

Temperature  
Regulation

*Sensible Solutions that fully resolve critical issues!*



Along with a barometric damper at the opposite end of this Analyzer Building, this Bebco Model WMV Exhaust Unit is activated by a combustible gas detector to mitigate hazardous gas accumulation.

This thermostat controlled Model WMV Intake Unit, along with another unit at the opposite end of the building and two barometric dampers regulate temperature in this Switchgear Building.

*“Bebco Environmental offers a quality unit at a competitive price. They communicate well, and keep us fully informed of any technical or commercial issues. Bebco’s Management are people of integrity, and they’re always willing to work with us.”*

— Richard Leach, Panelmatic

# Custom solutions to large-scale and redundant climate control demands

for control rooms and large equipment buildings



## VERTICAL ACs & HEAT PUMPS

### Model VAC & VHP

Bebco Model VAC & VHP Vertical Air Conditioners and Heat Pumps provide 90,000 to 300,000 BTUH of dependable cooling and heating. An incredible range of options include dual side-by-side unit housings, standard or reverse air flow, integrated pressurization and gas phase filtration, smart snouts or grilles, digital, analog or touchscreen controls and a variety of case materials and finishes to satisfy any application!

#### Advantages & Features

- Advanced Compressor & Motor Protection
- Integrated or Remote Temperature Control
- Low & High Ambient Temperature Protection
- Optional Stainless Steel Cases & Powder Coat Finishes
- Optional Slide-Out Control & Condenser Fan Assemblies
- Integrated Pressurization, Ventilation & Gas Phase Filtration
- Smart Grilles with Easy Access Filters & Integrated Unit Controls

Available with



For Class I, Div. 1 & 2,  
Group A-D  
& Highly Corrosive  
Area Applications!

### Applications



These platform supported Bebco Model VAC Units share a Dual Pressurization and Gas Phase Filtration Unit



Two Bebco Model VAC Units with a Multi-Pass Air Filtration and Pressurizer Unit protect a switchgear room on the second floor of this multi-story structure



Model VAC Units provide N+1 cooling and heating for this expansive Control Room located in a Gulf Coast Refinery

**Posi-Draw™ & Reverse Flow Styles**

*“We’ve found Bebco Environmental to be a very service oriented and quality conscious company. They have been easy to work with and resolve any issues very quickly. We look forward to a continued relationship with Bebco Environmental.”*

— Sub Mohan, TPMG

# Stand-Alone customized gas phase chemical air filtration solutions for highly corrosive or toxic environments



## GAS PHASE FILTRATION UNITS

### Model GPF

Bebco Model GPF Stand-Alone Gas Phase Filtration Units are custom-manufactured to mitigate corrosive or toxic chemicals. These Units recirculate room air through a wide array of media to meet your specific needs, and configured as floor, wall, ceiling or duct mount units, conforming to your particular space. Please contact Bebco for more information.

#### Advantages & Features

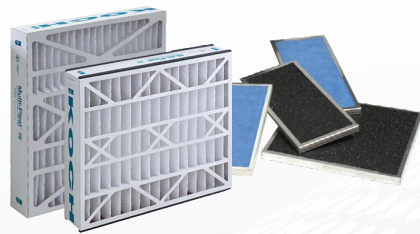
- HEPA, HEGA & Media Cartridge Filters
- Pleated & Activated Carbon Particle Filters
- Easy Access Filter Trays & Slide-Out Blowers
- Wall Mounted or Integrated Blower Control Systems
- Highly Ergonomic Brushed Stainless Steel Housings
- Free-Air Recirculating or AC Ductwork Integrated Styles
- Optional Air Flow, Media Lifespan & Gas Detection Systems



*All Electrical Devices are UL Classified or Listed*

For Class I, Div. 1 & 2, Group A-D & Highly Corrosive Area Applications!

### Filtration Media & Monitoring Options



#### Particle Filters

Captures significant quantities of airborne particles tandem with other filters - available in pleated or activated carbon styles



#### HEPA & HEGA Filters

Captures micro-size airborne particles and can also adsorb specific chemicals - available in multiple densities and ratings



#### Media Cartridges & Monitors

Captures and adsorbs specific chemicals at a molecular level to provide ultimate filtration - available with media lifespan monitor devices

*“Bebco collaborates with our company to design and manufacture exceptional gas phase filtration units for critical applications. I truly enjoy working with a company that’s so dedicated to exceeding their client expectations!”*

— James Landen, AFF Flanders

# Corrosion resistance solution combat harsh environment issues

for all Bebcos ACs & Heat Pumps



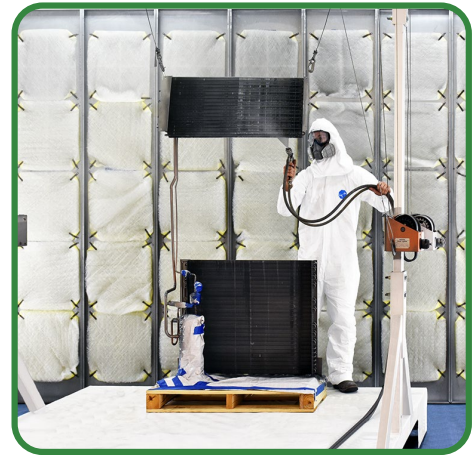
## PREMIER UNIT & COIL COATING

### Professional Unit & Refrigerant System Coatings

Bebco applies unit housing, coil and tube coatings under climate controlled conditions, with a 5 Year Warranty! We apply coil and tube coatings by an exclusive extraction or suspension process to achieve 100% coverage. Upon request, we also spray or powder coat Unit housing parts prior to reassembly. All coatings are carefully inspected to ensure quality, unsurpassed protection and superior service lifespan.

#### Advantages & Features

- Available for all Bebcos AC and Heat Pump Units
- Choice of three premier refrigerant system coatings
- Extraction or suspension process ensures 100% coverage
- Independent quality assurance process to verify all applications
- Climate controlled spray and powder coat application processes
- Manufacturer trained and certified coil coating application technicians
- Five Year Warranty under proper coating care and maintenance procedures



Model WAC Suspension Process

### Coating & Finish Options



As an exclusive Bebcos process, this Coil and Tube System is extracted from a PAC Unit housing to ensure total coating



Bebco applies America's most recognized brands of coil coatings, along with spray or powder coat case finishes in any brand and color required



EAC, SAC and TAC Unit Coil and Tube Systems are extracted from their housings to achieve perfect quality

*"We have selected Bebcos as our preferred coil coating service. They are reliable and provide a great coating with a competitive price. Our customers truly see the quality in the finished products and we plan to use them going forward"*

— Jim Fuller, Coburn's Supply

# On-site service solutions spanning the Texas & Louisiana Gulf Coast for maximum uptime and extended service lifespans



## PREVENTIVE MAINTENANCE & REPAIR

### Licensed On-Site Field Services

Bebco operates under a Class A License to maintain and repair all Brands of HVAC Units, climate control and pressurization units. We specialize in industrial services, and have technicians available 24/7/365. We also provide routine preventative maintenance under a quarterly, semi-annual and annual basis.

### Emergency Service Capabilities

- PLC & VFD Replacement & Reprogramming
- Electrical Control System Diagnostics & Repairs
- Refrigerant Leak Repair, Evacuation & Recharging
- Motor, Fan, Blower & Louver Repair & Replacement
- Routine Filter Replacement & Preventive Maintenance
- Coil, Compressor & Refrigerant Component Replacement
- Cleaning, Corrosion Mitigation & Performance Enhancement



### Preventive Maintenance Programs

#### Quarterly Preventive Maintenance

This program is recommended for HVAC Units and equipment in highly corrosive areas or that cool critical equipment that must be operational at all times to keep your refinery or plant in production.

This program typically spreads out cost over time, to ensure maximum uptime of your units and offset extensive repairs.



#### Bi-Annual & Annual Comprehensive Maintenance

These programs are suitable for HVAC Units and equipment in more passive environments or not essential to keeping your refinery or plant in production.

These programs are intended to ensure routine maintenance of all units and can be intermixed with quarterly programs for other units that are deemed more vital.

*“During startup, we had serious HVAC issues. When Bebco got involved, they quickly resolved our problems. I then hired them for Preventative Maintenance to pre-empt future issues. Overall, I’m impressed with their work and highly recommend them!”*

— Vilas Viswanathan, Bechtel Engineering / Cheniere LNG (highly edited for space allowed - please see full testimonial on our website)

# Specially designed solutions resolve critical requirements

for unique and diverse applications



## CUSTOM PRODUCTS

### When your needs exceed our Standard Products

Bebco manufactures customized products to complement our other solutions. We begin with a review of requirements and generate a quote. We then produce 3D drawings and a detailed installation, operation and maintenance manual. Finally, we apply a 2 year parts and labor warranty to ensure ultimate satisfaction.

High Velocity Mine Facility Pressurizer



Redundant Pre-Filtered Pressurizer



15 Ton Posi-Draw™ Split System



60 Ton DX Coil Air Handler



40 Ton Chilled Water Coil Air Handler

*“I was impressed with Bebco Environmental’s ability to offer a custom solution to our needs. They also attained a unique UL listing for our customer. The result was a completely custom unit that still conformed to all industry standards.”*

— Matthew Manske, URS Corporation