



A **NIBE** GROUP MEMBER



A WORLDWIDE STUDY IN SUCCESSFUL FAN COIL SOLUTIONS

IEC is the industry leader in hydronic fan coil solutions. In addition to the most comprehensive standard product offering available, we have the ability to adapt our design and manufacturing processes to deliver the perfect solution to your specific needs. Put your project into our hands, and build your reputation on ours.

Products Guide

BROCHURE

IEC... A Worldwide Study in Successful Fan Coil Solutions



Twelve Atlanta Station,
Atlanta, GA



Trump International,
New York City, NY



Statue of Liberty,
New York City, NY



Bellagio,
Las Vegas, NV

Each IEC product is designed and manufactured to deliver precise comfort, efficiency and, perhaps most important, peace of mind.

IEC is a highly flexible company where innovative ideas and out-of-the-box thinking flourish. As an IEC client, you will have the distinct advantage of working with highly skilled, team-oriented professionals with clear and concise direction. IEC is focused on meeting your project's needs, and is supported by continual investment in the most advanced manufacturing technologies.

Focused On Your Needs

For over half a century, IEC has successfully designed and provided systems for thousands of the most highly recognized projects in the world. From hotels, office towers and hi-rise condominiums, to schools, universities and medical facilities, IEC has provided solutions for virtually every building-type imaginable, for both new construction and renovation.

IEC has attained the position of industry leader by understanding the technical, physical and diverse environmental needs of living and working spaces. We know that each building and the areas designed within are unique and require specific comfort solutions.

This knowledge drives the entire IEC organization, from engineering and design through manufacturing, to provide an efficient and competitive platform to consistently deliver the types of solutions that are custom-tailored to your specific application.

IEC takes a team approach to develop your fan coil, cabinet heater and terminal unit solutions.



Higher
Education



K-12
Education



Hospitality



Multi-family
Residential



Office



Government



Healthcare

Commercial Fan Coil Applications



Residential Fan Coil Applications



Working Environments. For office, educational, healthcare or hospitality environments, IEC products and solutions deliver peace-of-mind features such as ease of installation and startup; quiet and dependable comfort; high efficiency; and simple maintenance.

We realize that our reputation is based on our commitment to continuously improve our products and customer service.

Living Environments. As architects and interior designers continue to push the aesthetic envelope within high-end residential spaces, the desire for precise and reliable comfort becomes more important. And in most, if not all these dynamic environments, the preference is to have that comfort felt, not seen or heard.

This is what drives the design and manufacturing engineers at IEC. We ensure that each product adheres to stringent sound and energy efficiency criteria.

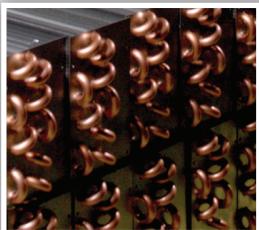
Products Guide

BROCHURE

Your Designs are Only the Beginning...



Roll of Steel



Coils



Blower Wheels



Motors

When you choose IEC to design and produce your fan coil solutions, you get more than just a supplier. Much more. You get a synchronized team of industry experts focused on you ... creating job-specific products that will successfully meet all your application's criteria. This direct access to the industry's leading design, engineering and manufacturing professionals ensures that every step of the process, from initial concept through installation and commissioning, goes smoothly and effortlessly. Our attention to detail allows you to focus on other aspects of your project with the security of knowing you've partnered with the best possible climate control specialist ... IEC.

Engineering Expertise

By assembling the industry's most knowledgeable HVAC designers, system sales experts and manufacturing engineers, IEC is perfectly positioned to take your project from initial concept through installation and startup. Our approach begins by working with you to define your fan coil's physical and operational requirements specific to each space. From there, we address each unit's aesthetic elements such as materials and finish. Once your units are manufactured, tested and packaged for shipment, we coordinate delivery with your project's on-site field personnel.

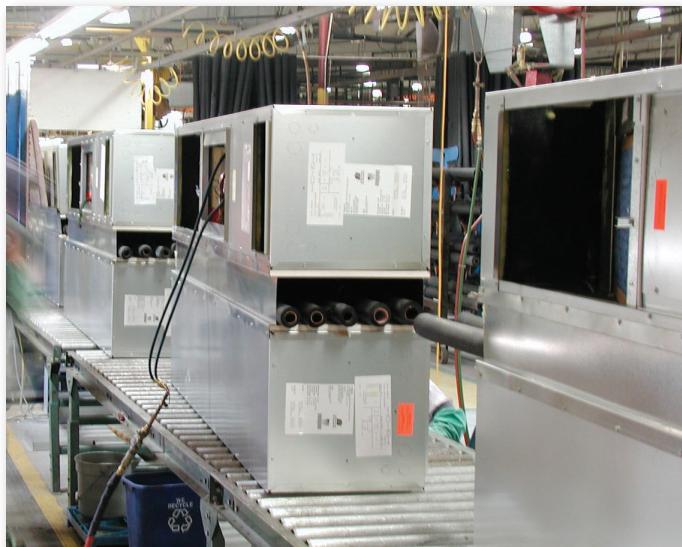
Having this 360° view and knowing precisely how and when IEC's products will arrive at your project's location, gives you the peace of mind and security that comes from selecting a world-class organization that keeps your project's needs the number one priority.

At IEC, you're always in control... from design through commissioning.



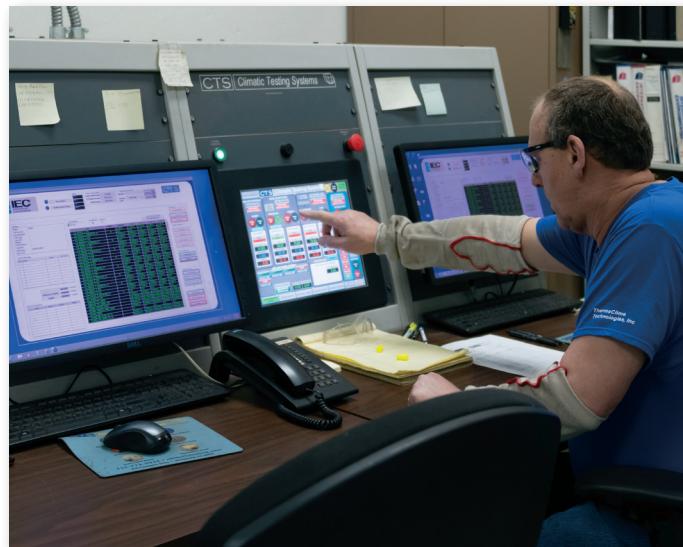
IEC's state-of-the-art engineering facilities in Oklahoma City, OK, are designed to efficiently produce the entire breadth of our product line.

Manufacturing Excellence



IEC's manufacturing process actually starts with state-of-the-art computer aided design (CAD) of units and component parts. Our manufacturing facility contains advanced CNC equipment featuring punch/shear technology, as well as the latest in fiber laser and CO₂ technology. This ensures we deliver precision, speed and agility in completing your orders on time, with the highest quality possible. Our lean manufacturing processes and PPS (practical problem solving) ensure we provide quick, reliable and sustainable solutions in response to your specific needs. IEC prides itself on its abilities to custom fabricate units that will meet our customer's unique applications. Our team-based quality initiatives and continuous design and process improvements ensure that you will receive exceptional products and unparalleled customer service.

Support Tools



In addition to our in-house application team, IEC offers you a complete family of advanced support tools created to easily select and configure your units. Our website, www.iec-okc.com, contains a wealth of real time product updates and application information specific to your needs. Our comprehensive technical literature covers our entire product line. User-friendly fan coil rating configuration software, along with IEC's local representative expertise help to make your design and selection process go smoothly and efficiently.

Products Guide

BROCHURE

IEC Fan Coils... Perfect for Commercial Applications



Tribune Tower,
Chicago, IL



Eisenhower Executive
Office Building,
Washington DC



United Nations
Headquarters,
New York City, NY



Jardine House,
Hong Kong

Creating Precise and Efficient Comfort

Although today's commercial environments are as varied as the tenants and markets they serve, the common denominators that define a building's long-term success are comfort and efficiency. Recent studies have shown that lack of personal comfort is the number one reason for tenants to seek alternative space. IEC products provide individual comfort through quiet operation, and zoned temperature and humidity control. Our attention to indoor air quality offers multiple features including filtration options and outside air ventilation. As today's energy climate grows more uncertain, hydronic fan coils remain one of the most efficient operating system on the market and IEC fan coil products address energy usage and many other concerns for building developers, owners and managers.

Design Flexibility

To meet the specific needs of both new construction and retrofit projects, IEC offers the most comprehensive range of hydronic-based fan coil, cabinet heater and controls solutions. This is why architects, consulting/specifying engineers, design/build contractors, as well as building owners and managers rely on IEC to deliver the most advanced fan coil systems available.

Because each commercial space is unique, our products are custom designed and engineered to solve critical issues such as comfort, precise space control, operating efficiency, acoustics, aesthetics and space constraints. Regardless of the size of space or project, IEC will deliver the best solution.

IEC products help create productive commercial environments.



MPY

IEC offers you the industry's most advanced fan coil, cabinet heater and controls solutions designed to meet the unique application needs found within commercial buildings.

Indoor Air Quality



It's well documented that improving the indoor air quality (IAQ) of a building will contribute to improved health, increased productivity and wellbeing. Precise occupant comfort and enhanced indoor air quality can be controlled with IEC's Fan Powered Terminal Unit: When indoor air CO₂ levels reach a specified level, demand calls for preconditioned outdoor air to be mixed with the return air to obtain the desired comfort level required.



Bipolar Ionizer - promoting IAQ

Efficiency x 3



Efficiency has three meanings at IEC. First, IEC's products are designed to be one of the most energy efficient available today.

Second is our installation efficiency. Our products are specifically designed to save time during installation and startup, which directly translates into cost savings for customers.

Finally is our product's maintenance efficiency. IEC fan coils are engineered and manufactured to ensure that each installation has minimal servicing requirements.



CPY Removable Drain Pan

Products Guide

BROCHURE

IEC Fan Coils... Perfect for Hospitality, Condominiums and Hi-Rise Apartment Applications



Hyatt Regency,
Long Beach, CA



Westin Rio Mar,
Puerto Rico



The Skirvin Hotel,
Oklahoma City, OK



Cristalla,
Seattle, WA

Luxury hotel guests and condominium owners around the world expect precise and silent year round temperature and humidity control. Hotel and building owners and managers simply cannot compromise when it comes to sound or comfort. That's why high-end hotel rooms and condominiums on nearly every continent are currently cooled and/or heated by IEC fan coils.

Multiple Concerns, One Solution

The fan coil products that we manufacture for hi-rise applications are designed to address many issues beyond sound and comfort.

Installation costs of our Modular Fan Coil Series can be significantly less than competing systems due to the advanced technology IEC uses to customize the unit for your application, customize the packaging for your job site conditions, and individualize the shipping schedule.

Aesthetics play an important role in the appearance of any room. For this reason, IEC fan coils come in a variety of attractive and minimally-invasive configurations designed to blend seamlessly into a variety of architectural styles.

IEC is a partner in your building project. Leverage our experience and expertise to improve your bottom line.

Luxury living is enhanced with the precise comfort control of IEC fan coils.



MRY

MIY



IEC products can be configured to your exact specifications with the highest quality materials, components and finishes.

Performance and Reliability



All IEC products are designed, manufactured and tested to deliver consistent, efficient and reliable comfort year after year. Regardless of your application requirements, IEC will deliver the best solution backed by the highest level of customer service and support.

Living in Comfort



Internationally-recognized luxury hotel and residential developers continue to rely on IEC to design and deliver innovative fan coil products for their installations. This is a responsibility that all of us at IEC take very seriously. No matter the project size, all our customers enjoy the same level of commitment and service.



MXY



CHY

Products Guide

BROCHURE

IEC Fan Coils... Perfect for Educational Applications



Our experience with educational buildings runs the full gamut of classroom settings. From pre-school through elementary, middle through high school, and university campus settings, IEC products are optimum. Our fan coils and cabinet heaters are specified because of their reliable performance, low sound and operating efficiency, year after year. Students working in poorly ventilated or uncomfortable buildings tend to have shorter attention spans, lower productivity levels and increased health issues. IEC products are designed to help optimize the learning experience by contributing to a clean, climate-controlled environment.



LXA



GSY

No Two Classrooms are Alike

For educational environments throughout the world, school systems rely on IEC products to provide healthy, quiet and comfortable conditions.

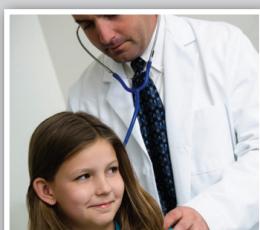
We know the last thing students, teachers and staff need to worry about is the comfort of their learning environments. The function of any room can affect its comfort level, from a computer lab generating heat, to the science lab's humidity and IAQ issues. Our engineering and design group will analyze the specific requirements for each need and make efficient and precise equipment recommendations.

IEC products can help provide a positive classroom environment.



Performance characteristics such as sound attenuation, precise comfort control and energy efficiency make IEC fan coils the perfect choice for educational environments.

IEC Fan Coils... Perfect for Healthcare Applications



Nowhere is the requirement for precise temperature and humidity control, energy efficiency and quiet operation more important than in today's medical complexes, assisted living facilities and long-term care settings. The design engineers at IEC fully understand the unique characteristics found in such varied environments and we offer a comprehensive product line ideal for these applications.

With features such as sound-attenuating insulation panels, powder-coated and baked exterior panels, and easily accessible components, IEC fan coil products provide the solutions ideally suited to these facilities.

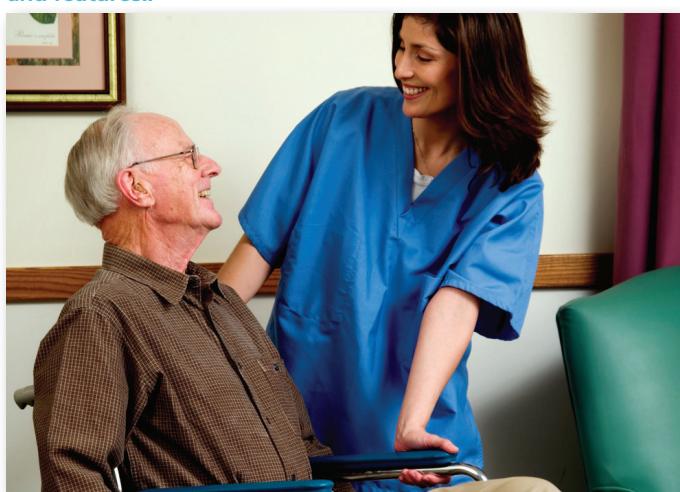
IEC... the Right Prescription for Comfort

When you partner with IEC for your next fan coil project, you will have the advantage of the industry's most experienced professionals making the best equipment recommendations. First, we analyze each room's specific comfort and operating requirements, and then we engineer the system to best meet those precise needs.

Whether your project calls for concealed or minimal footprint in-room units, IEC fan coils provide reduced installation and related materials costs, high performance comfort and energy efficient operation.

For the level of comfort, operating efficiency and reliability that are required for these unique settings, contact IEC.

Let the IEC professionals help you select the perfect product and features..



A broad range of healthcare-oriented fan coil products makes IEC the perfect choice for today's in-room and medical facility applications.

Products Guide

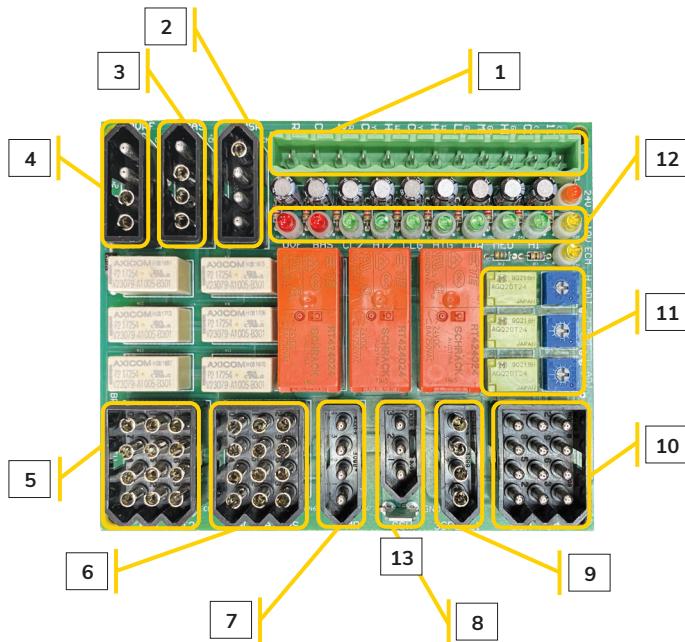
BROCHURE

Controls Solutions

IEC offers a full range of controls solutions for fan coils, cabinet heaters and terminal units.

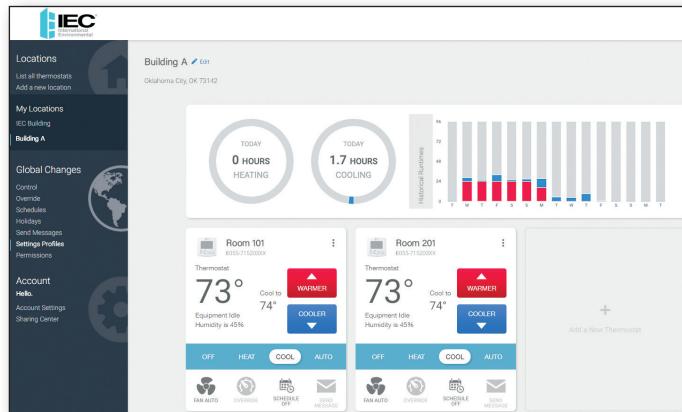
The 85 Control Board provides simplified install and service with its plug-in connections and QR code for quick wiring diagram reference and after market parts.

The board also offers LED diagnostics and built-in design flexibility for added features such a staged cooling or BAS signal input. The 85 Control Board is available with most controls schemes.



1	Pluggable T-Stat Connector
2	Changeover/Return Air Sensor (CN2)
3	Remote Shutdown Input (CN3)
4	Overflow Switch (CN4)
5	Two Stage Cooling (CN5)
6	Actuator & Aquastat (CN6)
7	Transformer (CN7)
8	Line Service Voltage (CN8)
9	PSC Motor Connection (CN9)
10	ECM Connection (CN10)
11	ECM Fan Speed Adjustment
12	LED Indication(s)
13	Ground Connection

Connected and Communicating



Our advanced controls solutions offer our customers the ability to connect and remotely control IEC products. The 85 Control Board allows seamless connection to existing Building Management systems through the BAS input.

IEC offers a wide range of thermostat controls. Building owners, facilities management, contractors and end users have the ability to remotely control a single or group of IEC products through Wi-Fi with the Venture Wi-Fi Programmable Thermostat.



Aftermarket Parts

IEC's units are carefully engineered with precise component combinations to optimize unit performance and ensure the best comfort, energy efficiency and indoor air quality with the lowest sound levels.

When there is a need for a routine unit maintenance or part replacement, genuine OEM parts from IEC are the only authorized-by-IEC source to fulfill most customer demands.

Why use genuine IEC OEM fan coil parts?

- Ease of installation - exact drop-in replacement
- Guaranteed reliability and exceptional factory support
- Safe system operation
- Retain published system efficiencies and AHRI ratings and certification
- Preserve critical sound level and sound quality requirements
- Re-establish unit's original performance
- Maintain ETL certification

IEC Website

The Leader in Fan Coil Solutions

Our reputation is built on 60+ years of developing industry-leading solutions specifically aligned with customer needs. Our depth and breadth of fan coils is the largest in the industry and complimented by our extensive applications knowledge, engineering expertise, and flexibility.

IEC Fan Coils are designed, engineered, manufactured and assembled in the USA.

[Commercial Professional](#) [Sales Professional](#) [Fan Coil Blog + News](#)

IEC now provides Reps with complete technical information and customer support teams. Visit www.iec-okc.com for upcoming events, new product releases, literature and aftermarket parts.



Taco Control Valve & Actuator



DBY



EC Motor



FHA

Products Guide

BROCHURE

IEC Fan Coils... Perfect for Your Applications

Modular Hi-Rise Series

- Six basic models with multiple configurations for concealed or exposed applications
- Sizes from 300 – 2000 CFM
- Single and DITTO® units



MPY
Modular Concealed Series
300 CFM to 1200 CFM



MUY
Universal Modular Series
300 CFM to 1200 CFM



MXY
Modular Cabinet Series
300 CFM to 1200 CFM



MGY
Mega Modular Series
1400 CFM to 2000 CFM



MAY/MBY - Fire Rated
DITTO® Modular
Concealed Series
300 CFM to 1200 CFM



MRY
ReStoraMOD® Series
300 CFM to 1200 CFM



MMY/MSY
Primary/Secondary
Modular Cabinet Series
300 CFM to 1200 CFM



MIY
MINIReStoraMOD® Series
380 CFM

Vertical Series

- Floor mounted for concealed or exposed applications
- Seven sizes from 200 – 1200 CFM
- Lowboy Units: Four sizes from 200 – 600 CFM
- Wall Recessed Units: STY/130 CFM, STW/275 CFM



FXA
Vertical Cabinet
Series



LXA/LXW
Vertical Lowboy
Cabinet Series



FSA
Vertical Slope-Top
Cabinet Series



LHA/LHW
Vertical Lowboy
Hideaway Series



FHA
Vertical Hideaway
Series



STY/STW
Vertical Recessed
Cabinet Series

Most IEC products shown here can be configured in any of the following:

- 2-pipe Cooling
- 2-pipe Heating
- 2-pipe Cooling with Electric Heat
- 4-pipe Cooling and Heating
- SureFlow®

For detailed performance, technical and installation information for any of our products, contact your IEC sales representative today.

With the industry's widest range of fan coil and cabinet heater products containing the most popular features and the ability to customize for your specific needs, IEC is the perfect choice for your next project.

Horizontal Series

- Four styles for concealed or exposed ceiling applications
- Seven sizes from 200 – 1200 CFM
- With and without return-air plenums



CHY
Horizontal Hideaway
Series



CPY
Horizontal Hideaway
with Plenum Series



CXB
Horizontal Cabinet
Series



CBY
Horizontal Telescoping
Hideaway Series

Hi-Performance Series

- For concealed or exposed applications
- Eight sizes from 600 – 2000 CFM
- Horizontal and Vertical configurations



HHY
Hi-Performance
Hideaway Series



HPY
Hi-Performance
Hideaway with
Plenum Series



HLY
Hi-Performance Cabinet
Series, Low Static



HXY
Hi-Performance
Horizontal Cased Series,
High Static



VEY
Hi-Performance
Vertical Cased Series

Belt Drive Series

- Eight sizes from 600 – 4000 CFM
- Horizontal and Vertical configurations
- Single and Double Wall Construction



VBA
Belt Drive
Vertical Series



HBD
Belt Drive
Horizontal Series

Direct Drive Series

- Eight sizes from 600 – 3000 CFM
- Horizontal configurations
- Standard EC motor
- Single and Double Wall Construction



HDY
Direct Drive
Horizontal Series



VDY
Direct Drive
Vertical Series

Cabinet Heater Series

- For Horizontal or Vertical Exposed or Recessed applications
- Seven sizes from 200 – 1200 CFM
- Hydronic Heat or Electric Heat Only applications



GHY
Vertical Hideaway
Series



GSY
Vertical Slope Top
Exposed Series



DXY
Horizontal Exposed
Cabinet Series



GXY
Vertical Flat Top
Exposed Series



DBY
Horizontal Telescoping
Hideaway Series

Valve Packages & Piping Components

BROCHURE

SureFlowTM

SureFlow®

SureFlow® provides new construction and renovation applications with a simplified design and installation process that delivers a viable alternative to PTAC's, rooftops and other DX systems.

SureFlow is a self-balancing system that eliminates the need for control valves, uses less pipe (2 pipes provide 4-pipe performance) and fewer fittings. This results in simpler and lower cost installations that are self-commissioning and use less energy.

SureFlow Rating Program, the SureFlow Loop Simulator software, and the SureFlow Certified Sales Engineer Program give the designer the training and support needed to ensure the selected equipment meets the project requirements.

SureFlow provides the designer with the flexibility to accommodate future changes in zoning or expansion.



Contact your local IEC Sales Representative for further details and pricing applicable to this product. Visit our website (iec-okc.com) to find your local IEC Sales Rep.

IEC Part Number: I100-90002101

BR-120 Revision 12.1 (08/2022)

©1990-2022 International Environmental Corporation (IEC)



5000 W. I-40 Service Rd.
Oklahoma City, OK 73128
P: 405.605.5000
F: 405.605.5001
www.iec-okc.com