Our Product Solutions

Regardless of the unique challenges your home may face when it comes to central heating and cooling, we have a solution that will fit your needs – perfectly. The UNICO product line is made of the highest quality materials, and is assembled in our manufacturing plant in St. Louis, MO.

Unique Flexible Small Ducts
2" i.d. (3.5" o.d.) or 2.5" i.d. (4.0" o.d.) supply tubes are so small and flexible they go around anything and fit almost anywhere. Design custom homes without HVAC system constraints or retrofit older homes without compromising the architecture.

Fit Anywhere Air Handlers
Compact, modular coils and blowers fit into existing cavities and eliminate the need for space-eating mechanical areas. The UNICO System air handlers can be installed horizontally or vertically for maximum flexibility.

Smaller Main Air Plenum
At typical 10" and 7" sizes, UNICO main air plenums are 66% smaller than conventional supply trunks. UNICO fits 12 nominal tons in the same built space that a 3 nominal ton conventional system requires. UNICO not only provides greater comfort, but more available built space for the end user.

Quiet Operation
Supply tubing is made of spun-bound nylon, wrapped in sound-dampening insulation for ultra-quiet operation.

Subtle, Blend-In Outlets
No big, ugly metal vents. Our outlets are round or slotted, and with dozens of standard finishes – plus available custom finishes – they will fit any décor. Install in ceiling, floors or sidewalls.

Methods of Heating
The UNICO System can provide heat via heat pump coils, hot water coils, or the UNICO supplemental furnace. Unico is also a perfect compliment to radiant heating.

Architect/Engineer Design Flexibility
The UNICO System small ducting fits in wall and ceilings – no need for soffits. In basements, the plenum is no taller than the main support beam. In many cases, The UNICO System eliminates room build-outs for fan coils and ducting.

Free Design Services
UNICO provides free design services for architects, engineers, builders, installers and homeowners. All we ask is that you provide a heat gain/heat loss calculation and we’ll provide a complete system design. In addition, UNICO specifications can also be downloaded from www.arcat.com.

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UNICO System
Small Duct Central Heating & Air Conditioning

Homeowner Product
Information Guide

Comfort, value, and preservation of the architectural integrity of your home is our mission. Your family and friends deserve the finest in home comfort – a comfort The UNICO System provides without compromise!
Custom & New Construction
Flexibility and efficient installation make it a perfect fit for new construction applications as well as custom-built homes.

Historic
No matter when your home was built or what the physical configurations are, you can install The UNICO System for high performance heating and cooling comfort.

Log Homes
Because so much emphasis on log homes is placed on the aesthetics inherent in the use of the exposed wood, designers, builders, and homeowners are pleased with the system’s flexibility and unobtrusiveness.

Retrofit & Remodeling
Crafted to weave through and around existing construction makes it the perfect solution for retrofit applications.

LEED® Certified Homes
Well insulated, energy efficient homes need to have proper air circulation within them to provide the necessary indoor air quality that the occupants need. The Unico System, through its use of aspiration, provides the superior indoor air quality that residents of LEED Certified homes require.

What We Do For Homeowners
Whatever your home’s style, The UNICO System is the perfect fit. A superior central heating and cooling system with its innovative “aspiration” technology, warms and cools your house evenly and quietly. Our revolutionary flexible small ducts weave through the smallest spaces—ceilings, walls, even floors—so there is no need for costly, messy renovation.

Quiet Performance
The UNICO System outperforms conventional heating and cooling systems by utilizing a patented high velocity stream of air. This air is delivered quietly and seamlessly into the room using our 2” or 2.5” outlets or the 8” x ¾” slotted diffuser.

Draft-Free, Even Temperatures
We deliver superior comfort over traditional HVAC systems by eliminating drafts and removing 30% more relative humidity. Humidity removal is achieved with the superior and efficient design of our cooling coils, creating a perfectly comfortable environment.

Fits in Any Space
No matter when your home or building was built, or what its physical configuration, installing The UNICO System is always a possibility - without compromising design or architectural integrity.

Little or No Remodeling
Our system fits where conventional cooling and heating systems can’t - with little or no remodeling required! Our modular air handlers can be easily installed into attics, ceilings, crawl spaces, and closets.

Matches Any Decor
A huge selection in outlet choices is available. Our outlets come round or slotted, and are designed to fit any decor or home architecture without compromise.

Why Use UNICO
Your home is your castle – or maybe it’s your bungalow, brownstone, or Victorian. Perhaps it’s a design the world has never seen before. Once installed, you’ll hardly notice The UNICO System. All you’ll know is that your home is perfectly comfortable – warm in winter, cool in summer, quiet all year round. You’ll feel more at home, and because The UNICO System doesn’t compromise the architecture of your house, even your home will feel more like royalty.