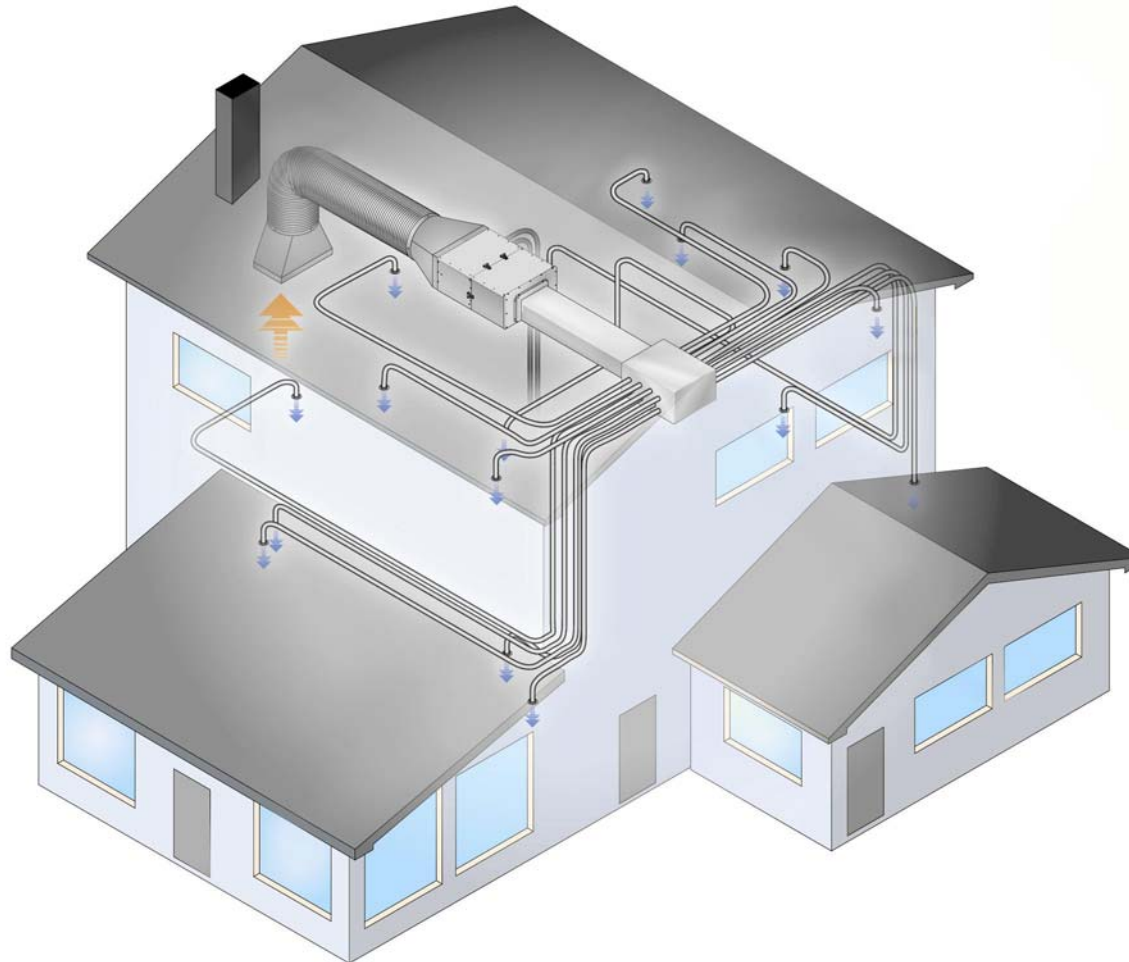




# What is a High Velocity System?

What's different?

**Original concept introduced in 1946 for heat in aircraft**



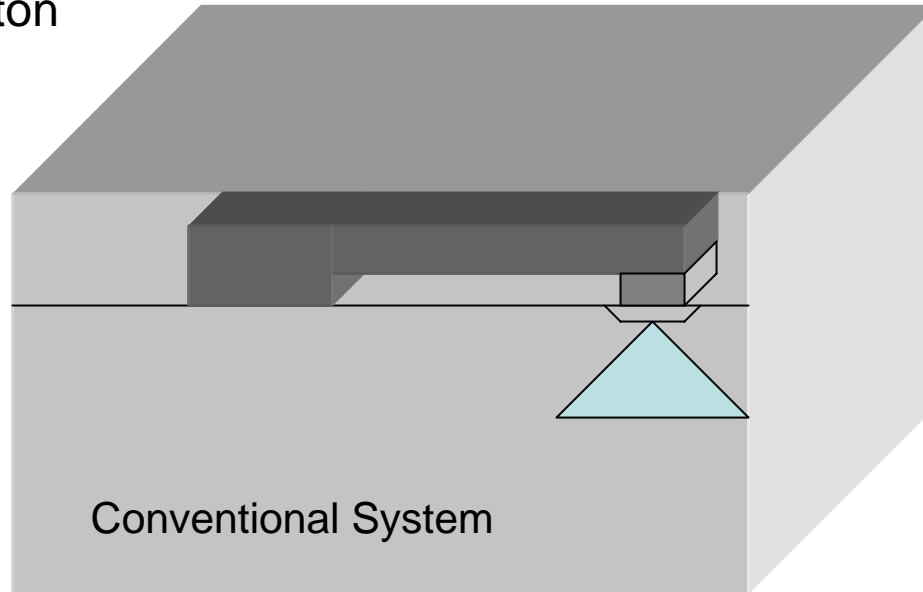
High Velocity Systems utilize two or three inch outlets and distribution tubes to deliver the heating and a/c to each room.

## How does a high velocity system compare to a conventional system?

•What's different?

4 x THE VELOCITY

400 cfm per ton



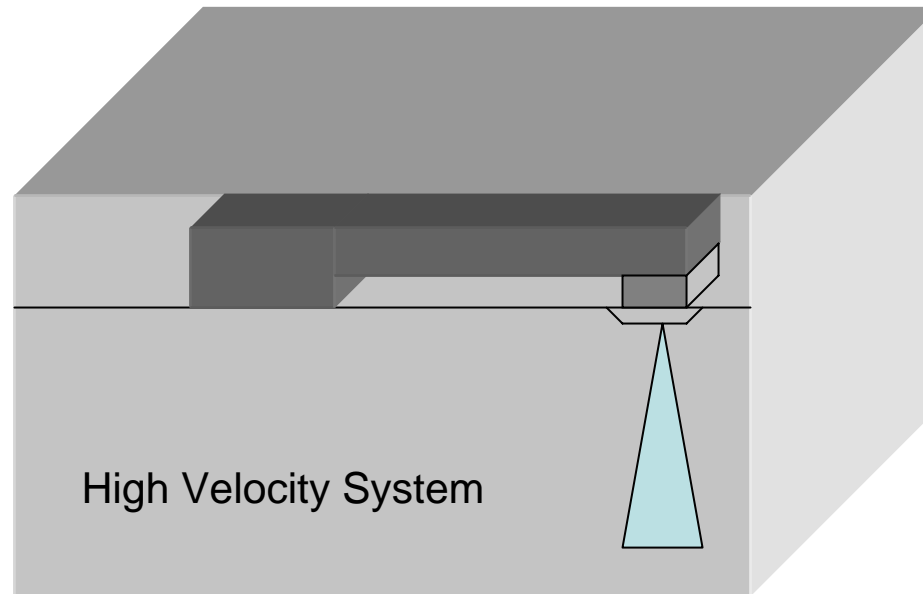
110 CFM

The air velocity at the register of a conventional A/C System is typically around 500 FPM.

## How does a high velocity system compare to a conventional system?

•What's different?

More throw distance



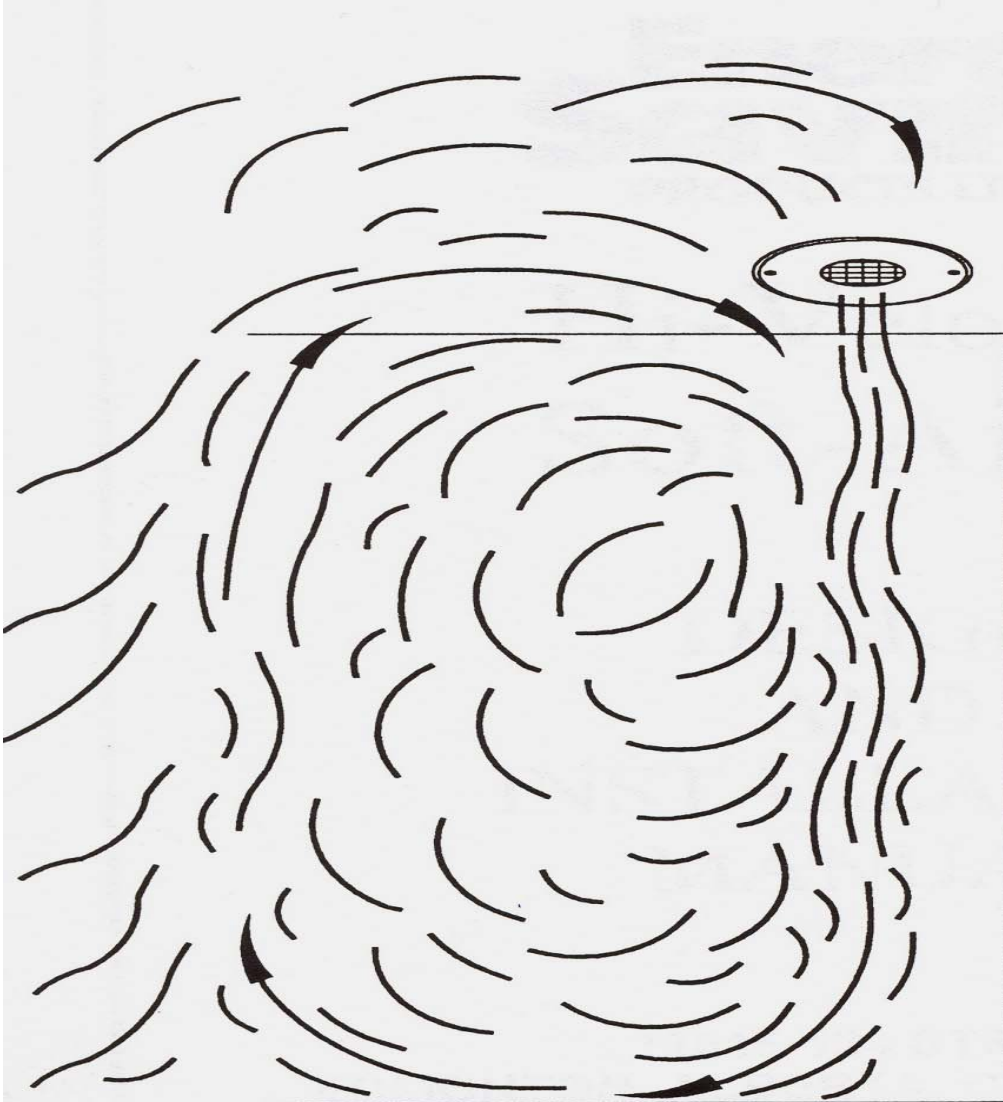
LESS AIR  
NOISE  
34 CFM

The air velocity at the register of our pressurized A/C System is typically around 1700 FPM.

# Aspiration Effect

- ➡ *The Velocity of the Air Leaving the 2" OR 3" Outlet Register, Creates a Vortex Behind It, Drawing Room Air Into the Main Air Stream, Mixing It All Together.*
- ➡ *This Is Also Known as "Venturi Effect."*

# Aspiration Effect



Room air is stirred up through aspiration, eliminating air stratification, drafts, along with hot and cold spots.

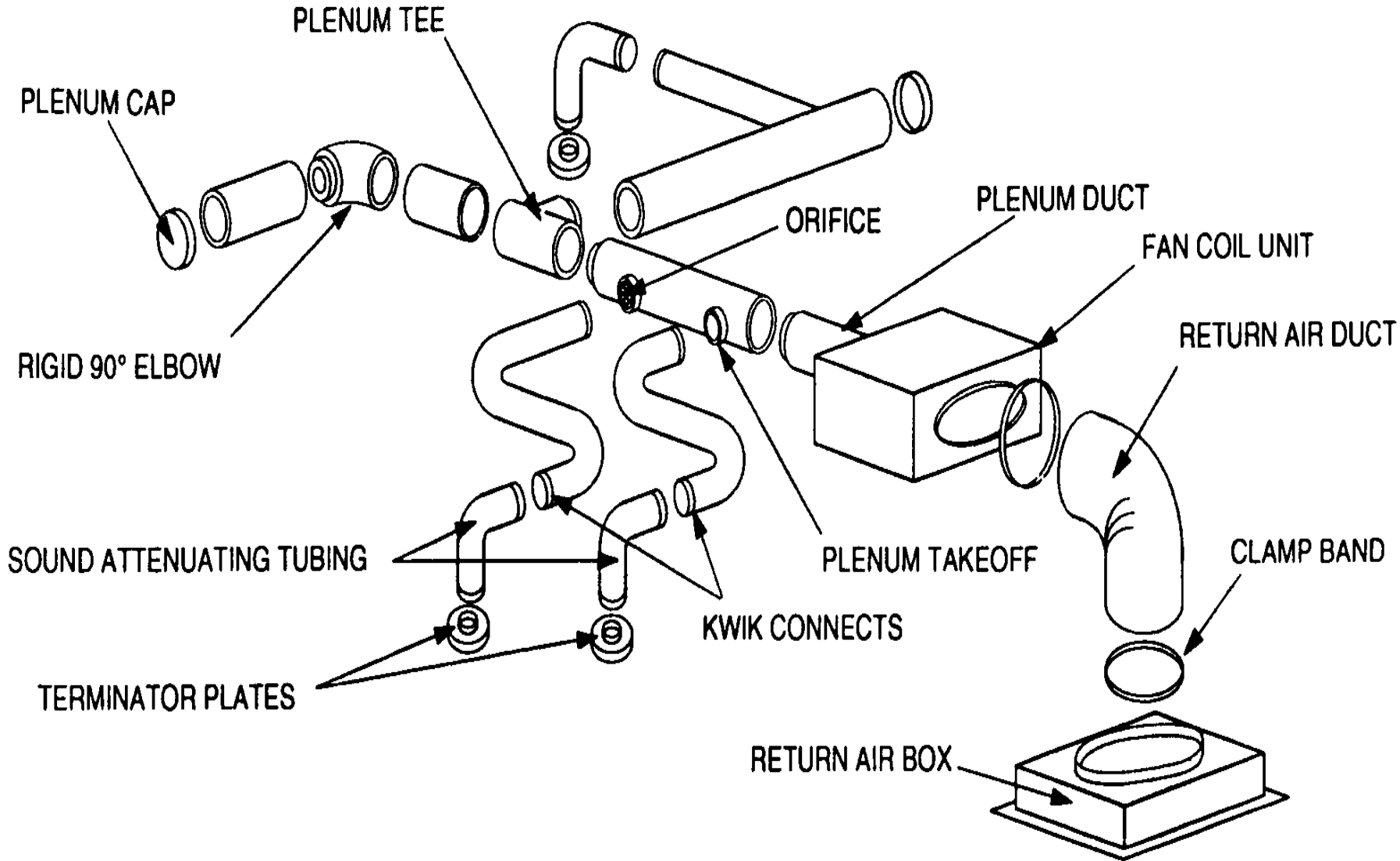
## Advantages of pressurized duct systems

- Smaller size, fits into smaller space.
- 2" and 3" outlets are easier to install, and less visible than register grilles.
- Quieter
- Higher comfort levels – “aspiration effect”
- Can be installed in retrofit applications  
Where using conventional ductwork would  
Be impossible

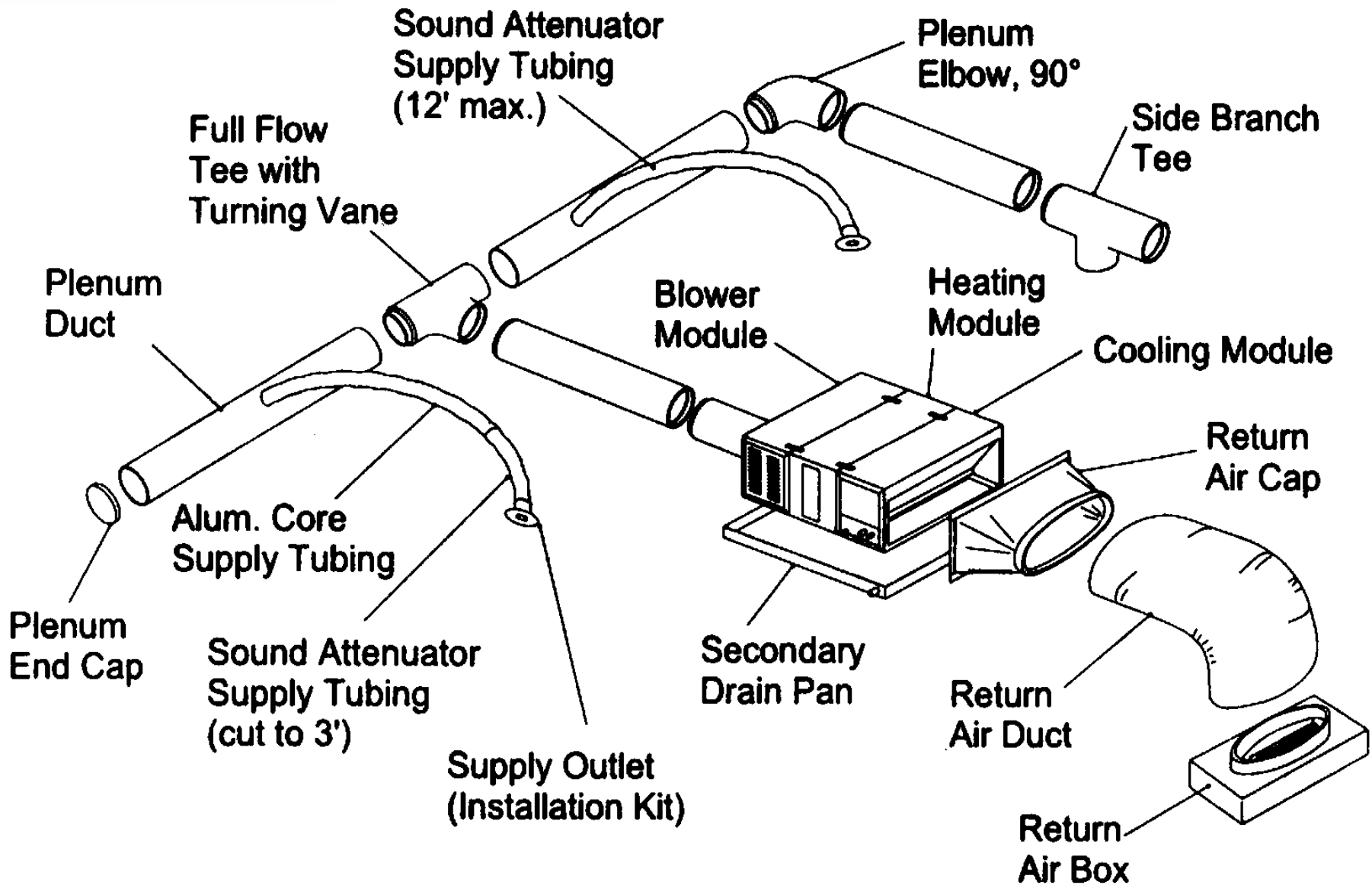
# Old Style High Pressure Systems!



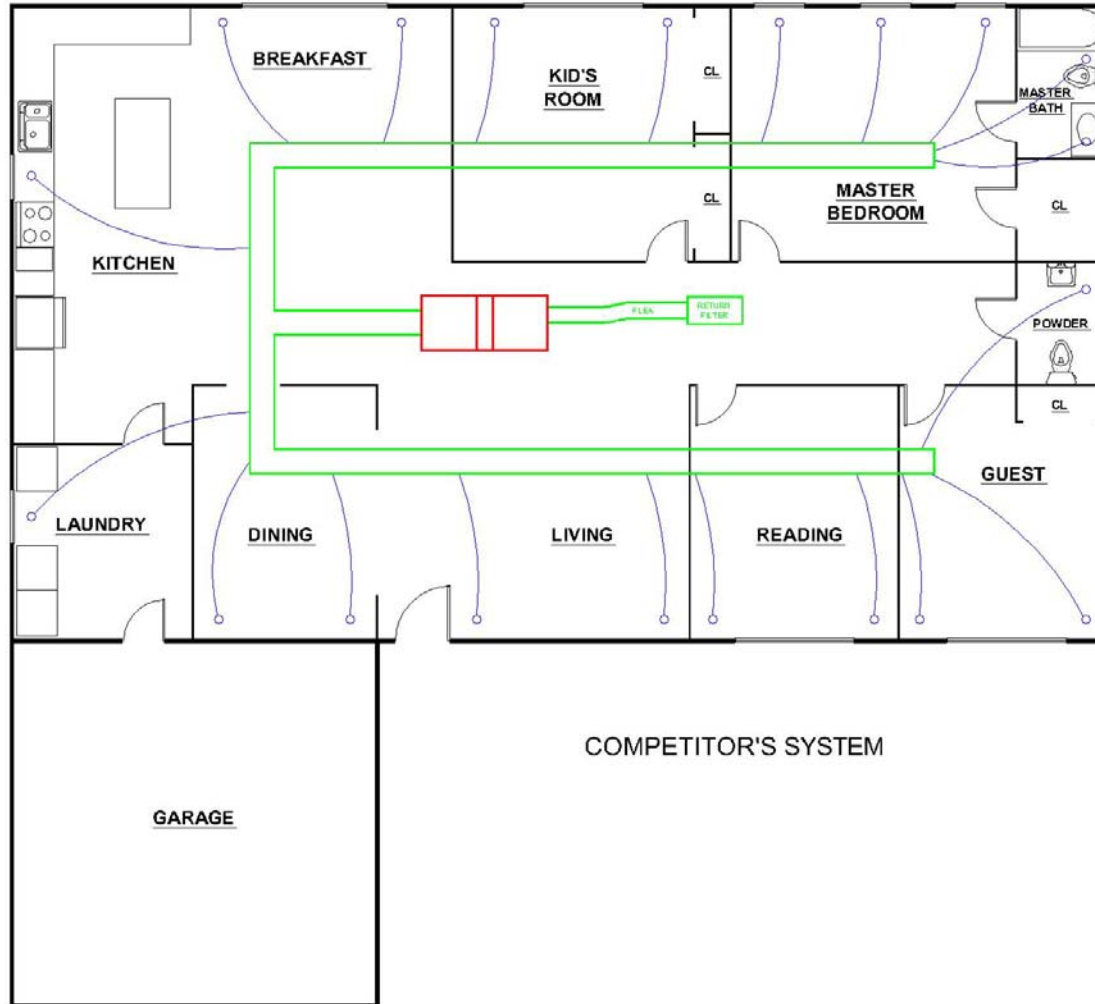
# SpacePak System



# The Unico System



# Unico and SpacePak typical installation



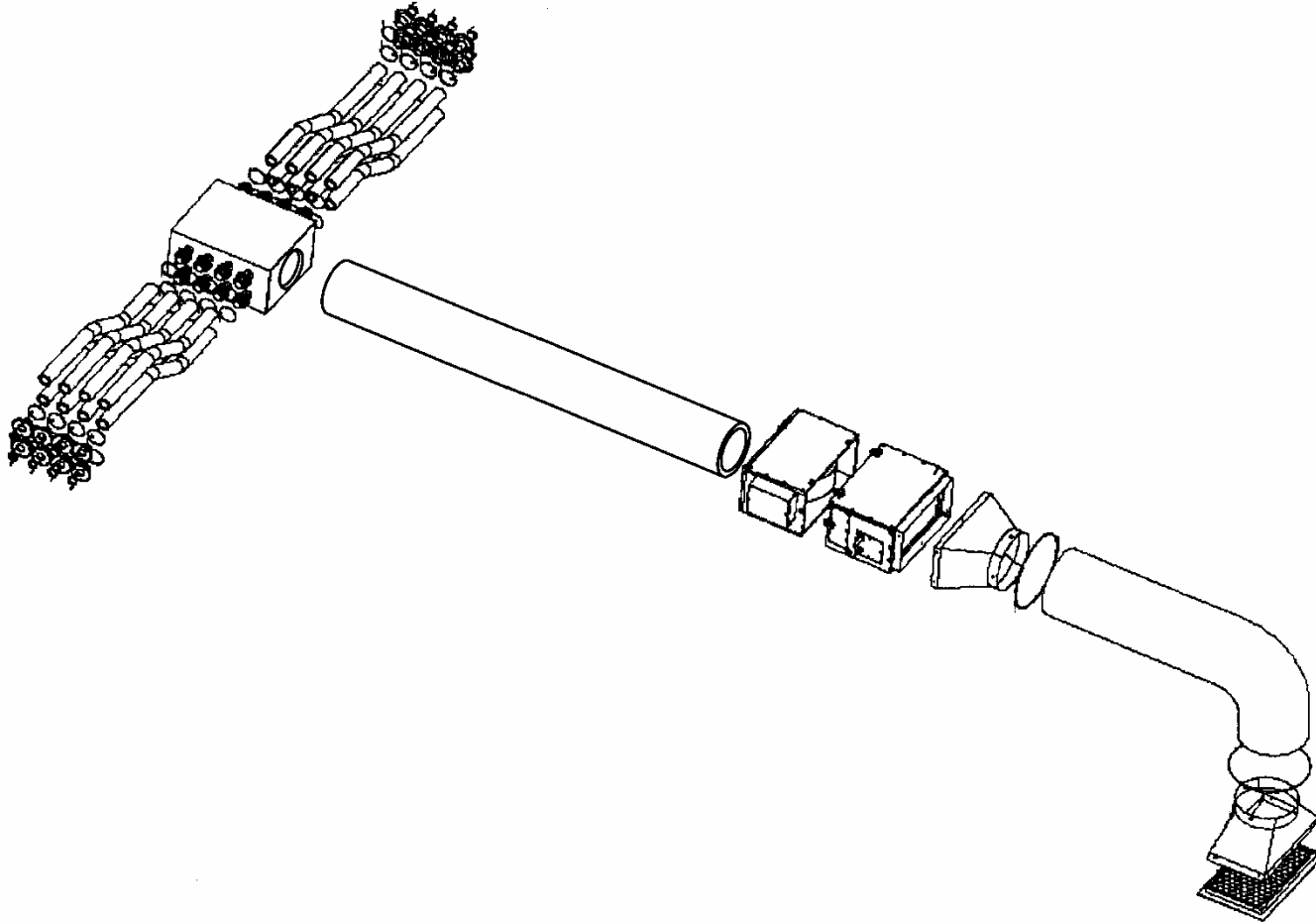
# THE QUIETAIR WAY!

# Features!

- **13 SEER Rated System**
- **Industry Leading System Capacities**
- **2" & 3" System Options**
- **Pre-insulated Duct Work**
- **New Air Distribution Technology**
- **No Sound Attenuation Required**
- **Self Balancing System**

- **Full Range of Sizes (1.5 to 5 ton)**
- **New Air Distribution Technology**
- **Quiet Operation**
- **Easy to Install**
- **5 Year parts & 1 year Labor Warranty**
- **Fewer Parts**

# 1.5 to 3 Ton Non Split System



**R410A, 3 Inch System R8**

**Package includes the following kits:**

<b>Item</b>	<b>Qty</b>	<b>Kit #</b>	<b>Description</b>
1	1	361001	3, 4 Ton Return Air Kit
2	1	362041	VC23036MX, 36MBH DX Cooling Coil Module Requires TXV Kit
3	1	482040	VB23048MM2, 750 - 1300 CFM Multi-position Blwr Module 208/230/1Ph
4	1	362054	CBBIZE3GA R410A TXV For 2.5 - 3 Ton
5	1	2420468	11"x 12' Flexible Duct (Fiberglass R8-Al. Core, 1 Pcs/Box)
6	1	3020193	2.5T,Airbox Kit, Non-Split Option System
7	15	24303038	3" X 25' Fiberglass Flexduct R8 Alumicore,1 Pc/Box
8	1	361015	3T and 4T Secondary Drain Pan (not shown)
	1		<b>QA2.5T3R410PKG - Total Package 3", 2.5 Ton System</b>

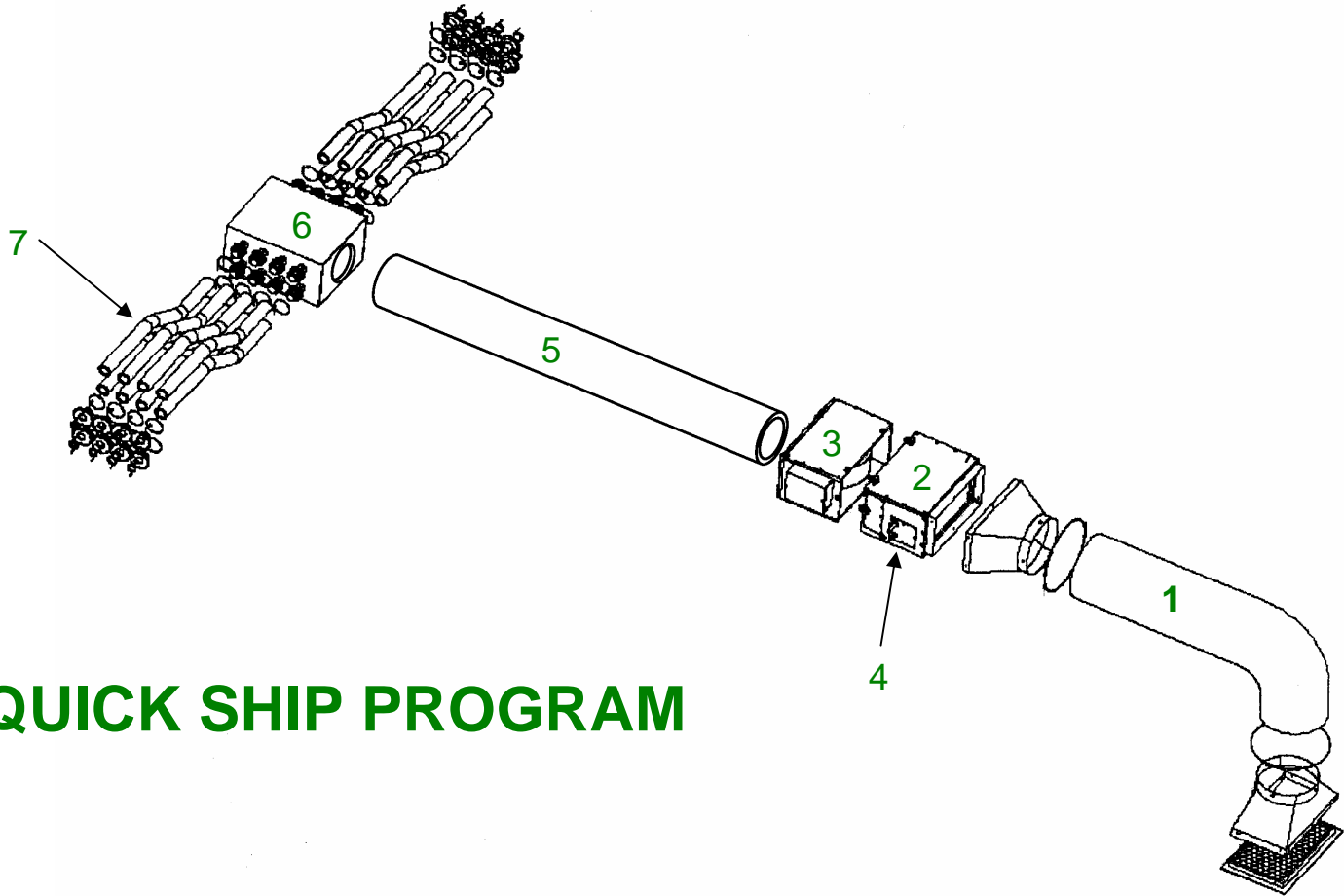




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# QA2.5T3R410PKG - Total Package 3", 2.5 Ton System



**QUICK SHIP PROGRAM**

- **Delivers Full Equipment Rated Capacity**
  - Competition must over size condensers to 12 Seer to achieve 10 Seer ratings
- **Coil Capacity is up to 5% higher than nominal**
  - Competition delivers 10-20% lower capacity
- **Broader Air Flow range from 400 to 1650 cfm @ 1.5 w.c. with (Multi-speed fans)**
  - Competition is from 550 to 1150 cfm (Single speed fans)
- **Multi-speed Fans**
  - Allows for more flexibility in unit setup

# Testing & Approvals

- **ETL Electrical Testing Labs**
  - **Similar to UL**
- **UL 181 rated Duct work**
  - **KoolDuct Rigid Duct**
  - **Alumicore Flexible Duct**
- **ARI American Refrigeration Institute**
  - **We are listed with**
    - **American Standard, Armstrong, Bryant, Carrier, Comfortmaker, Lennox, Maytag, Rheem, Ruud, Trane, and York.**

# Superior Performance

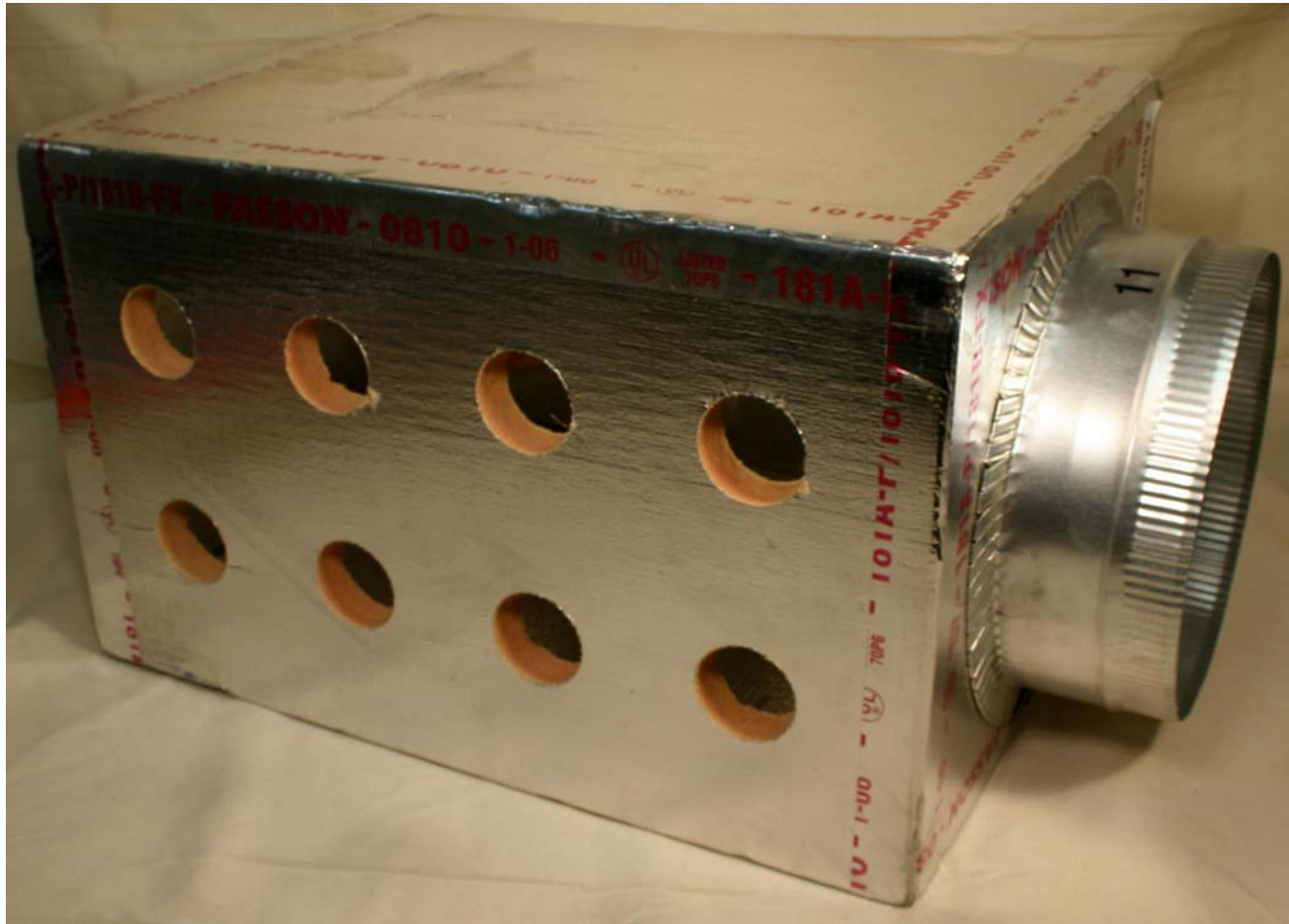
- **York 3 Ton Condensing Unit Model # H1RD036S06**
  - (listed as a 13 seer unit)
- **ARI Ref. #**
  - **531351 QuietAir 3 Ton VC2-3036-HX**
    - **Seer 13 SEER**
    - **Capacity 33,000 BTUH**
  - **499650 SpacePak 3.5 Ton ESP-3642D+TDR**
    - **Seer 11.1 SEER**
    - **Capacity 32,200 BTUH**
  - **396606 Unico 3.5 Ton MC3642C+MB3642L**
    - **Seer 10 SEER**
    - **Capacity 29,600 BTUH**

**All capacity's from listed ARI ratings**

- **Fewer Sku's**
  - **50% less than the competition**
- **Faster Installation**
  - **Parts are shipped in kits**
- **Installation Flexibility**
  - **Easily adaptable to job site conditions**
  - **Split box allows single unit to handle larger spaces**
- **Air Balancing Not Required**
  - **Distribution air box compensates**
- **Simple To Maintain**
  - **Easy access to coils and filters**

- **R-8.5 ADC & SADC BOXES “KooIDuct”**
- **Light weight**
  - **15% the weight of Sheet metal**
- **Sound Attenuation**
  - **Sound reduction index (SRI) is 17dB**
- **Does not promote the growth of mold**
- **Cleanable**

# ADC BOX



# ADC Box Connections



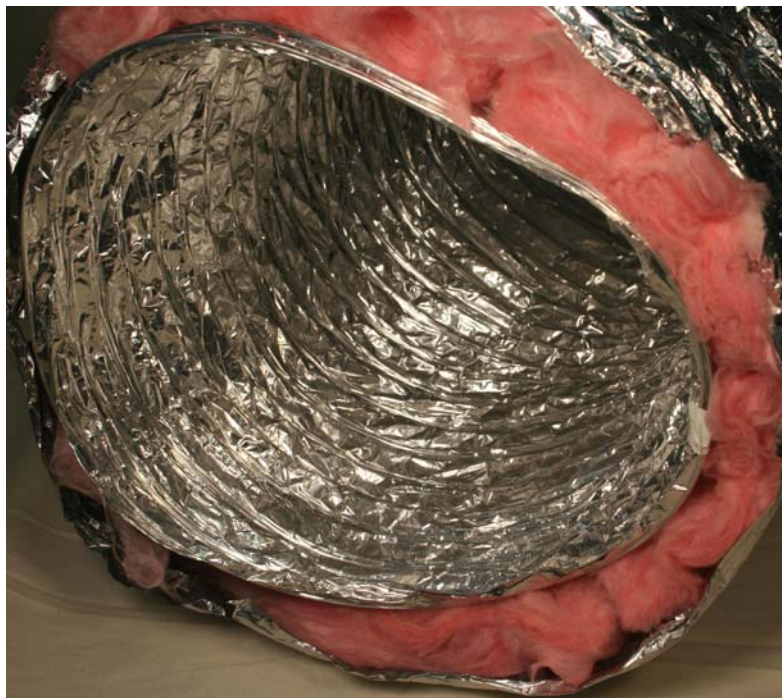
**Pre-punched holes**



**Spin-in take offs**



# Alumicore Main Plenum



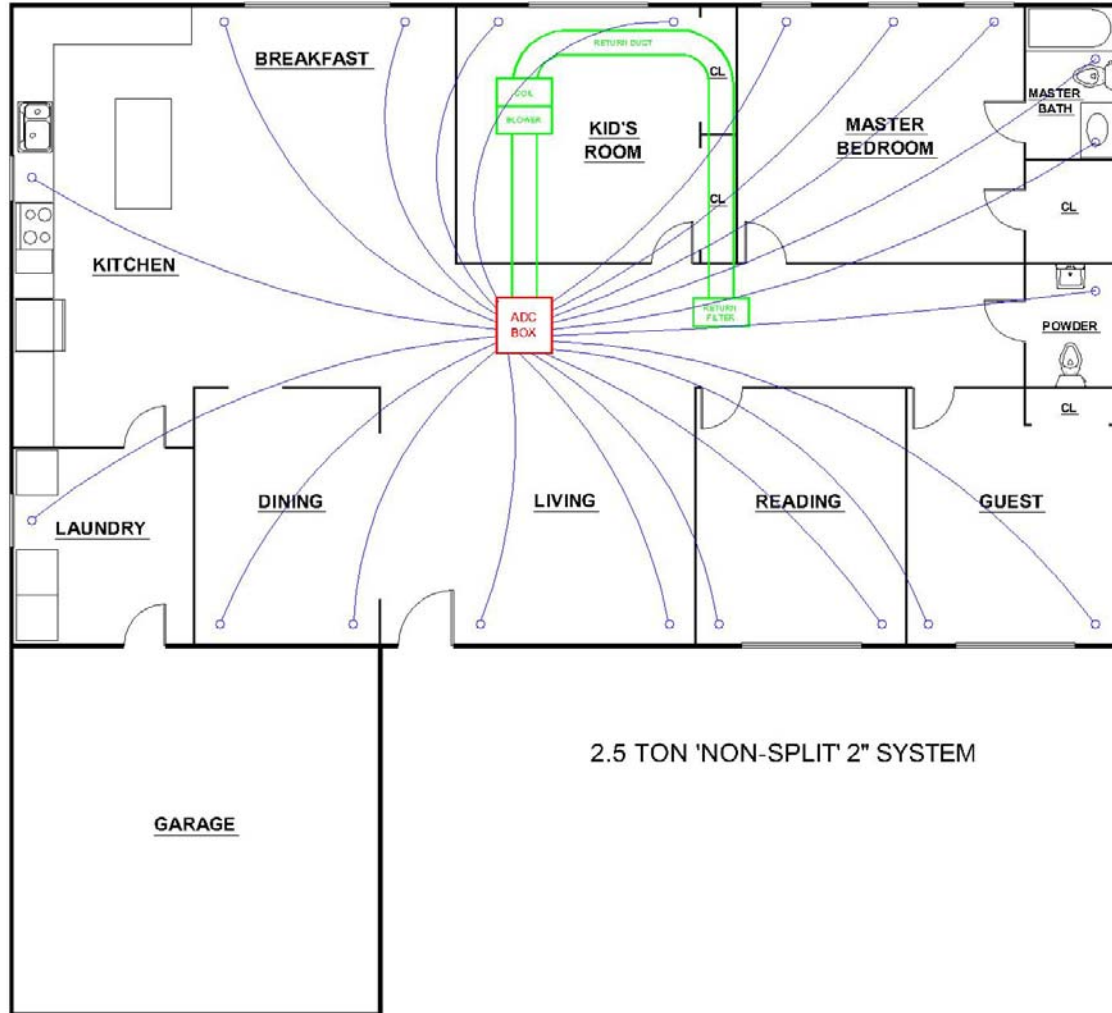
R8.0 11" X 12' 50 micron Alumicore main plenum supply duct with fiberglass insulation UL181 rated. Also available in 8" X 25' and 9" X 25' lengths in R8.0.

# Alumicore Duct



3" Alumicore rectangular supply duct is available with R-8.0 and R-4.2 insulation, UL 181 rated and designed to fit through the tightest spaces. The inner core is manufactured using two 60 micron layers of aluminum encapsulating two layers of 30 micron polyester and wire coils. Rectangular supply duct easily connects to 3 " supply outlets and delivers full CFM capacity.

# Non split typical installation



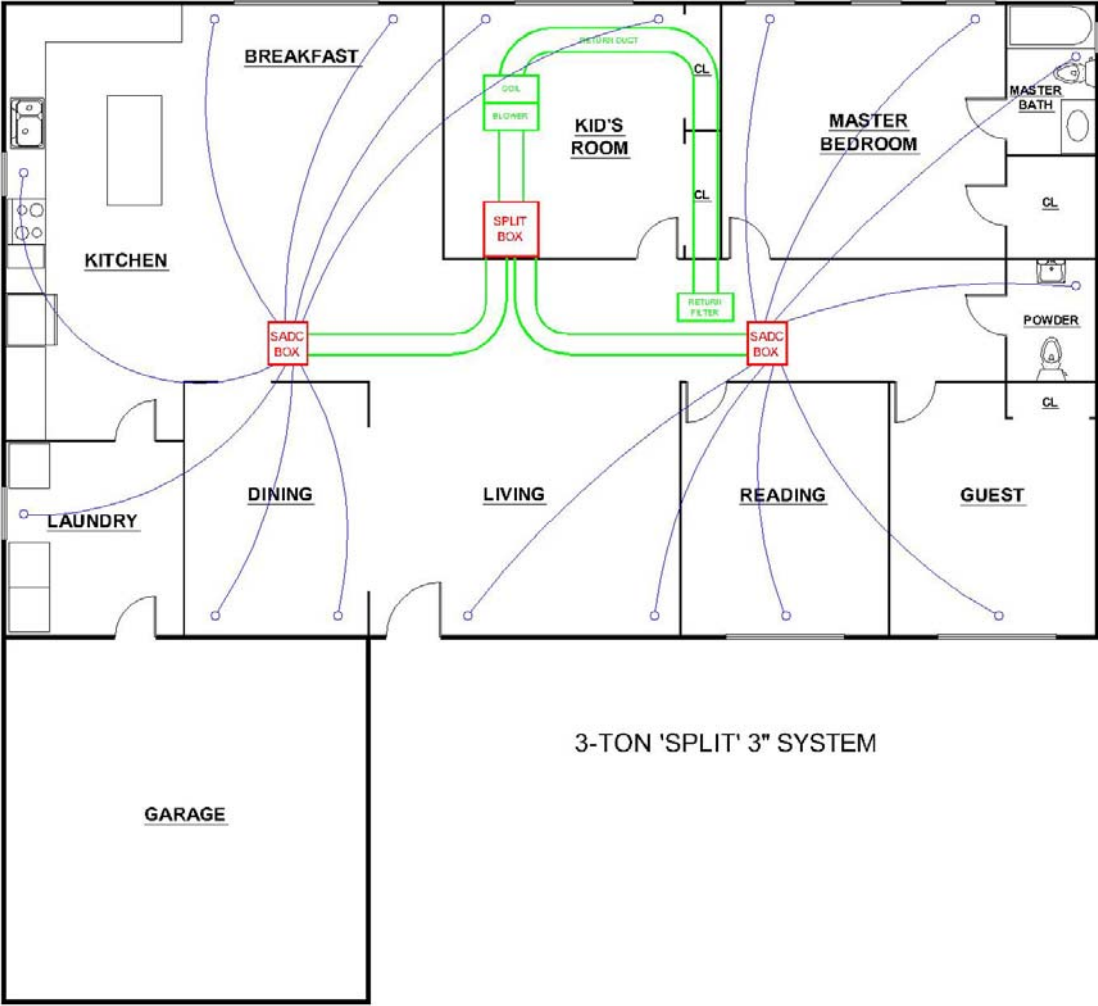
2.5 TON 'NON-SPLIT' 2" SYSTEM



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# Split system typical installation



# Compare Field Labor

Item	QuietAir	Competition
Main Duct Installation	KoolDuct Pieces or Flexible Duct- as you determine	Straight Pieces of Rigid pipe with Fittings – inflexible to obstacles
Number of Supply Ducts	3" Option Reduces Required Outlets by 1/3	Only offers 2"
ADC/ SADC boxes Verses Field Mounting	Pre-drilled holes- Assembles on the ground	Drill and Mount Takeoff Saddles in Hot Attic plus insulating
Sound Attenuation Tubing	None Required	Must install 3' at every outlet
Balancing After Startup	2" – 12' to 30' 3" – 12' to 50' Nothing Required	Balancing Required on Each outlet

# 3" Supply Duct Makes You **MORE MONEY!**

System Size - Tons	2" Outlets (12' to 30'/Run)	3" Outlets (12' to 50'/Run)	Reduction in Number of Outlets	Time/Outlet Drill, attach Both ends, mount Diffuser	Labor Reduction (\$60/HR)
1.5 – 2 Non Split	12 -16	8 - 12	Avg. 4	30 Minutes	\$120 Cost
2.5 – 3 Non Split	20 – 24	12 - 18	Avg. 7	30 Minutes	\$210 Cost
2.5 – 3 Split	20 - 24	12 - 18	Avg. 7	30 Minutes	\$210 Cost
3.5 – 4 Split	28 - 32	16 - 24	Avg. 11	30 Minutes	\$330 Cost
4 – 5 Split	32 - 40	16 - 30	Avg. 13	30 Minutes	\$390 Cost

# Custom Home Rough In

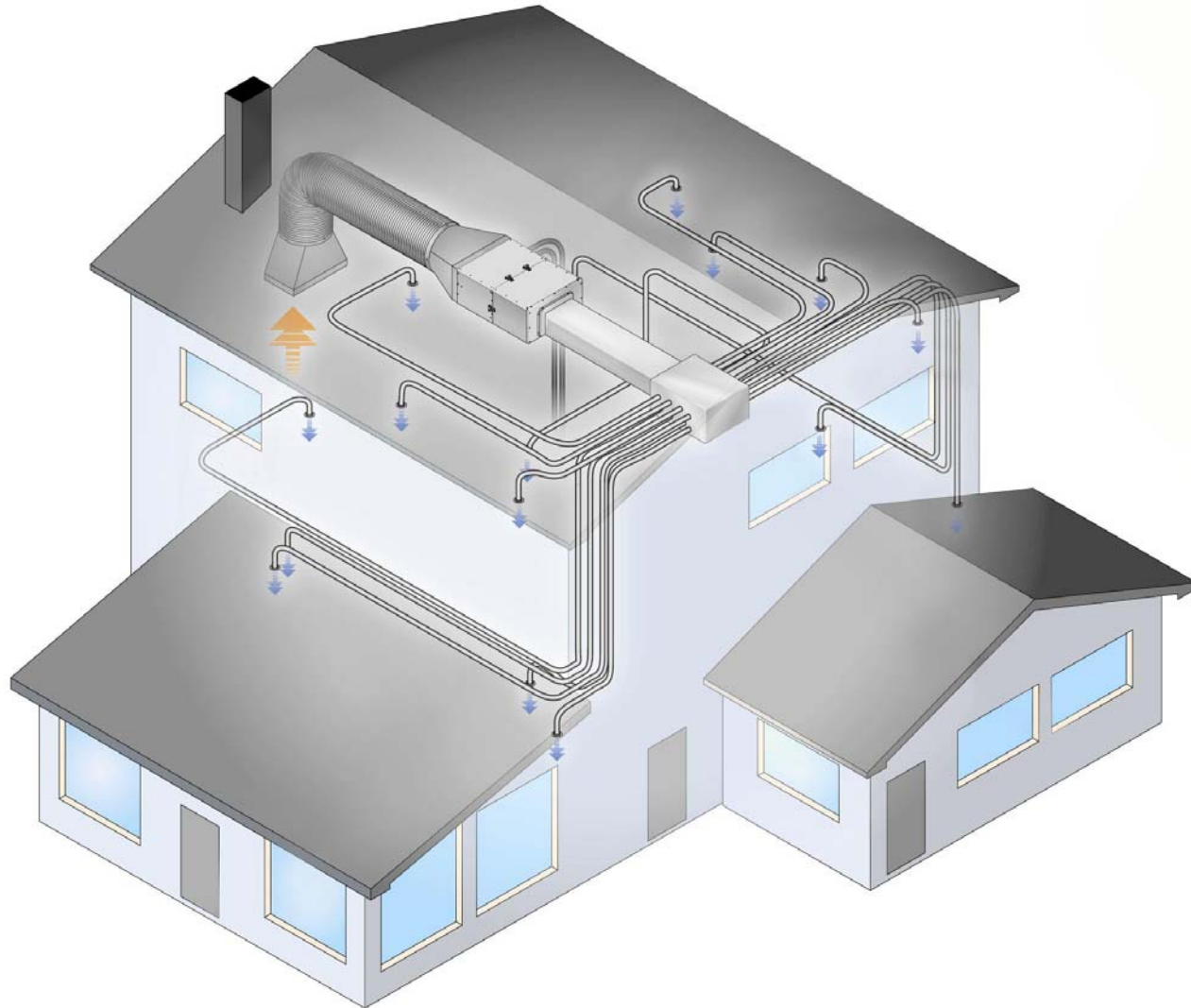


# Light Commercial Installation





# Multi-Position Heating & Cooling



# Multi-Position Heating & Cooling

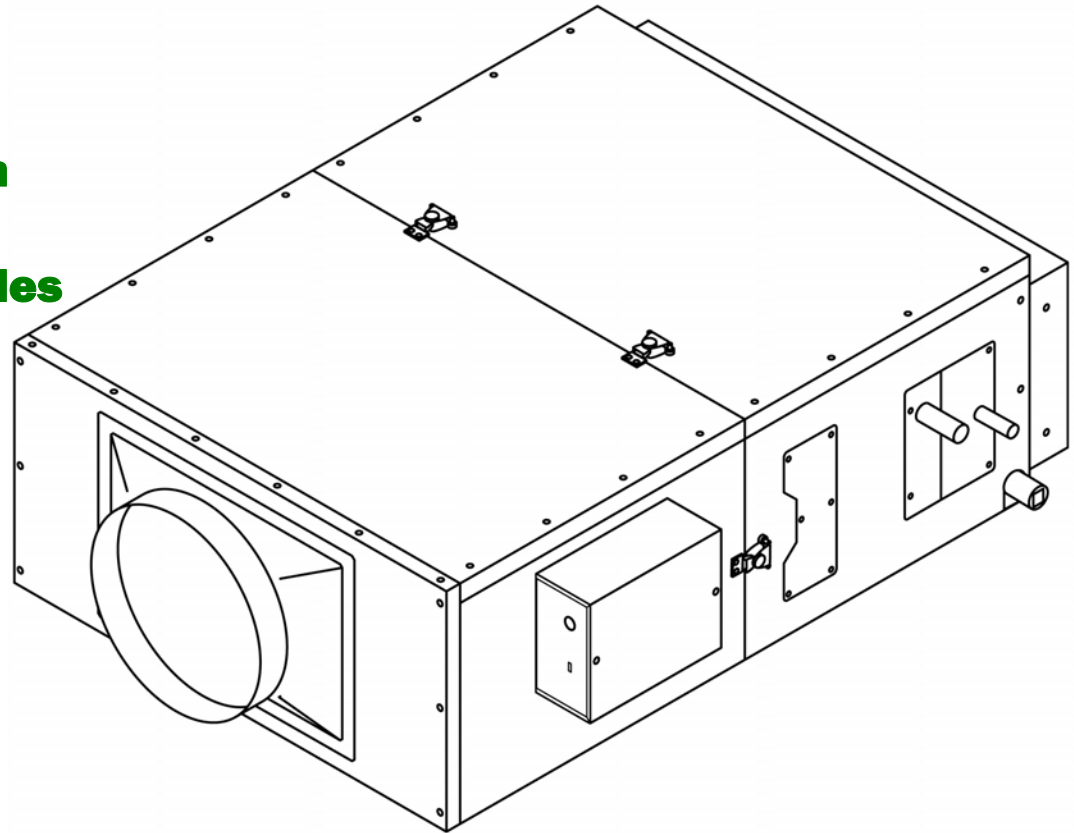
## QuietAir features

**Round main plenum**

**Optional rectangular Plenum**

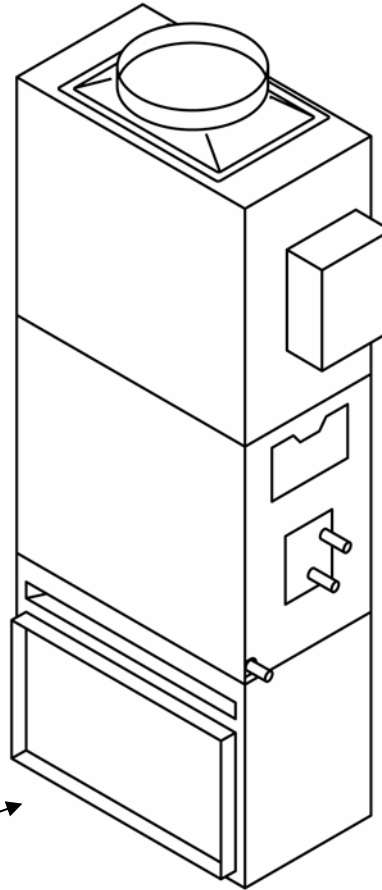
**R22-R410 TXV options**

**Serviceable from top and sides**



**Horizontal Configuration**

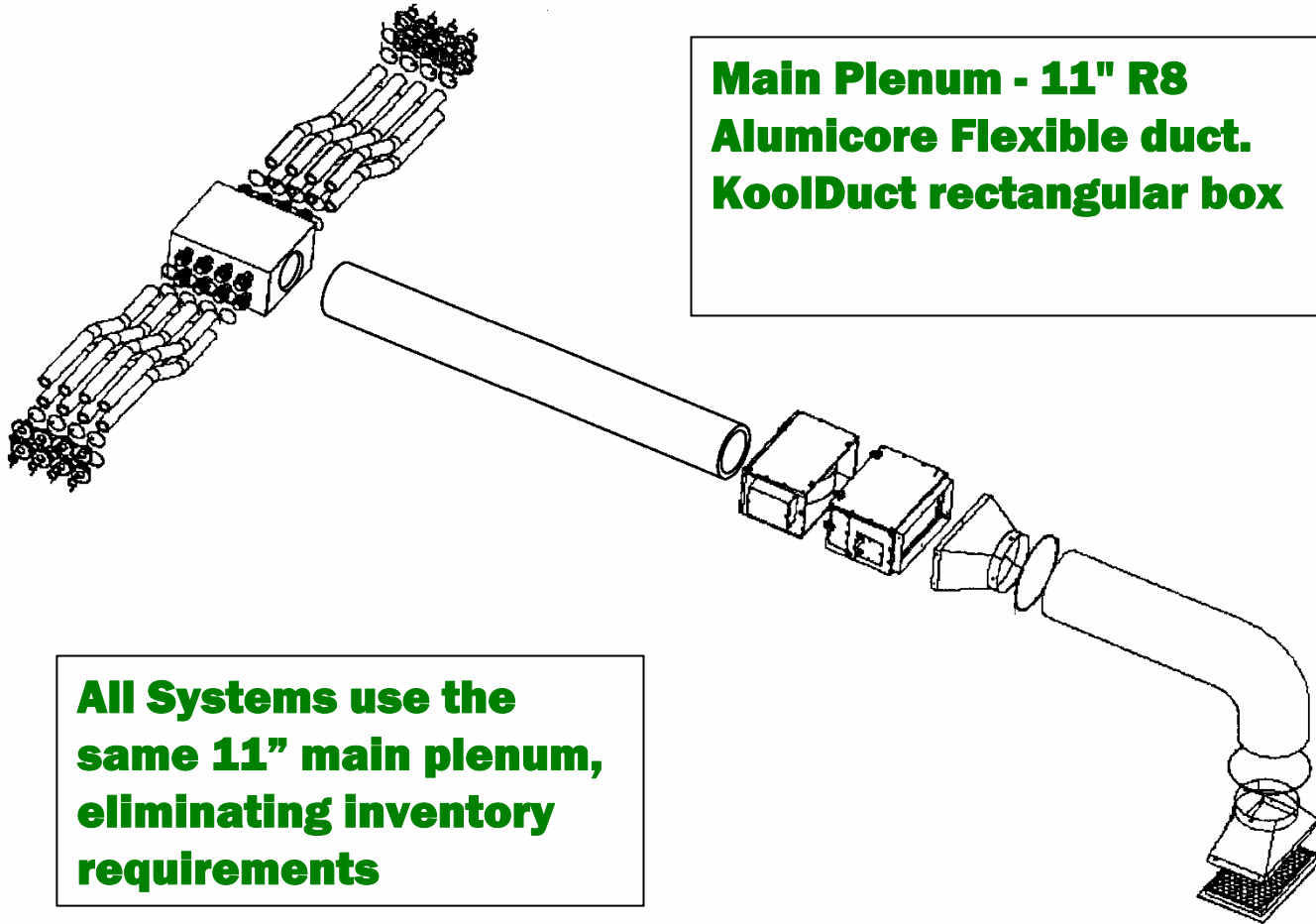
# Multi-Position Heating & Cooling



**Closest Vertical Configuration**

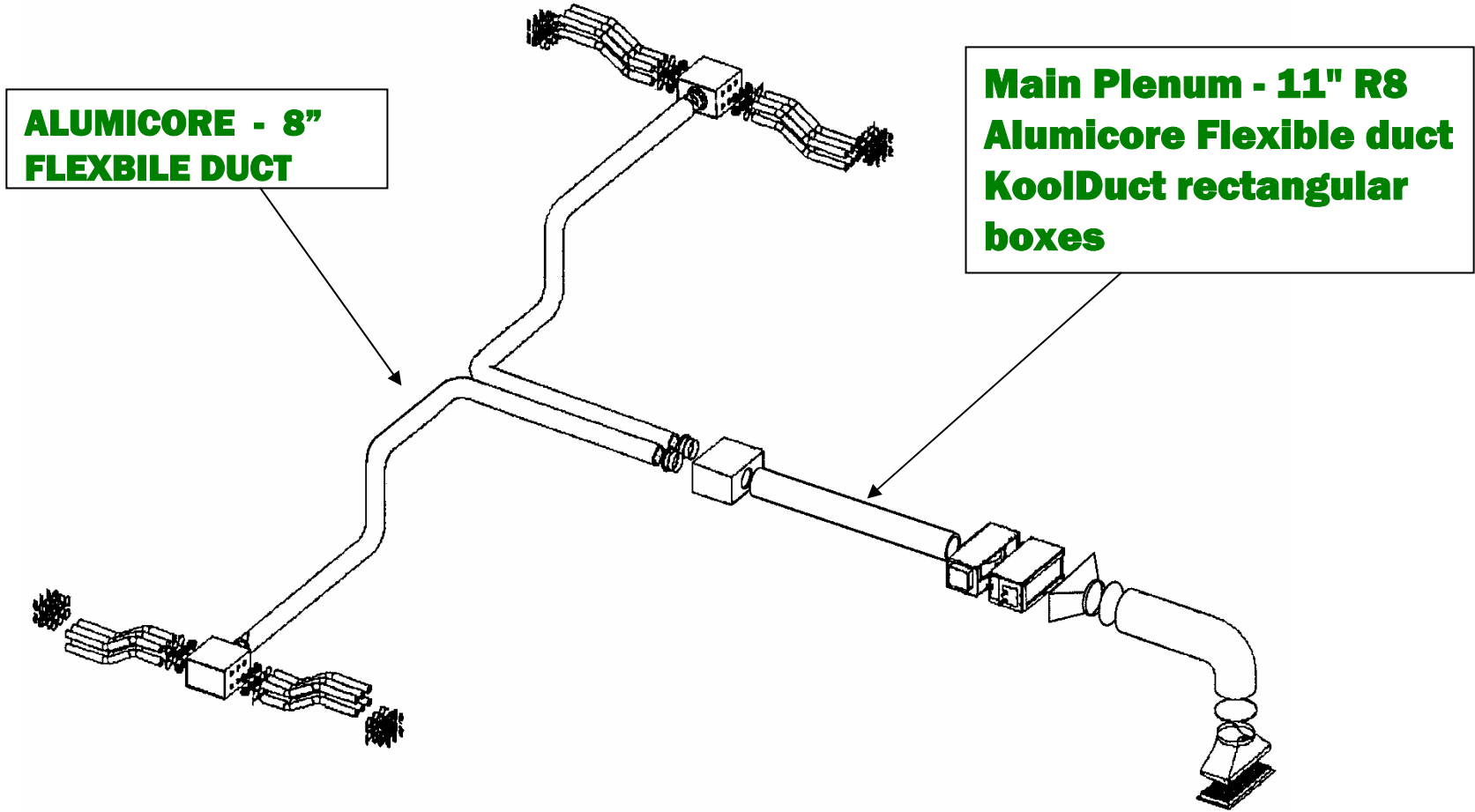
# 1.5 to 3 Ton Non Split System Cooling

**Main Plenum - 11" R8  
Alumicore Flexible duct.  
KoolDuct rectangular box**



**All Systems use the  
same 11" main plenum,  
eliminating inventory  
requirements**

# 3 Ton Split System Cooling



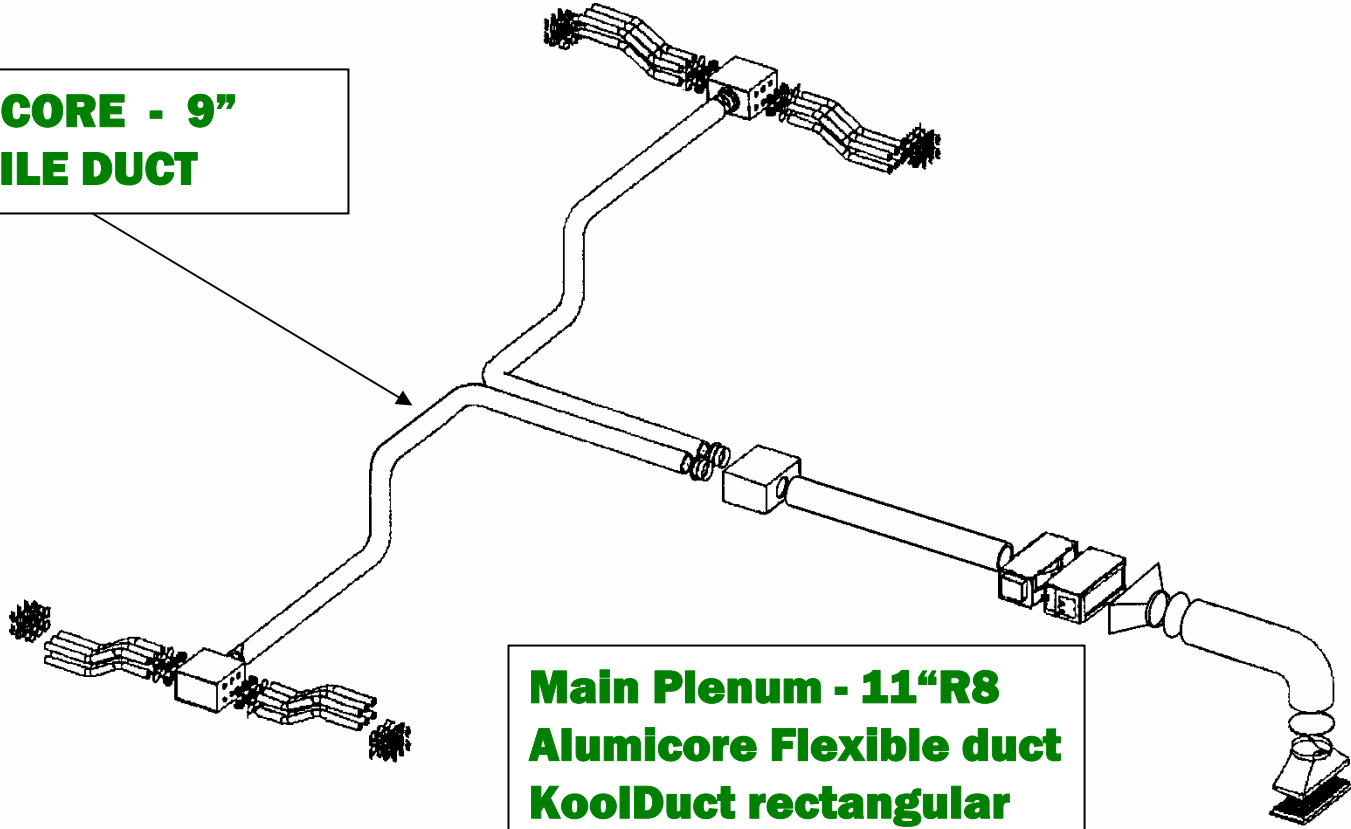


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# 4 Ton Split System Cooling

**ALUMICORE - 9"  
FLEXIBLE DUCT**



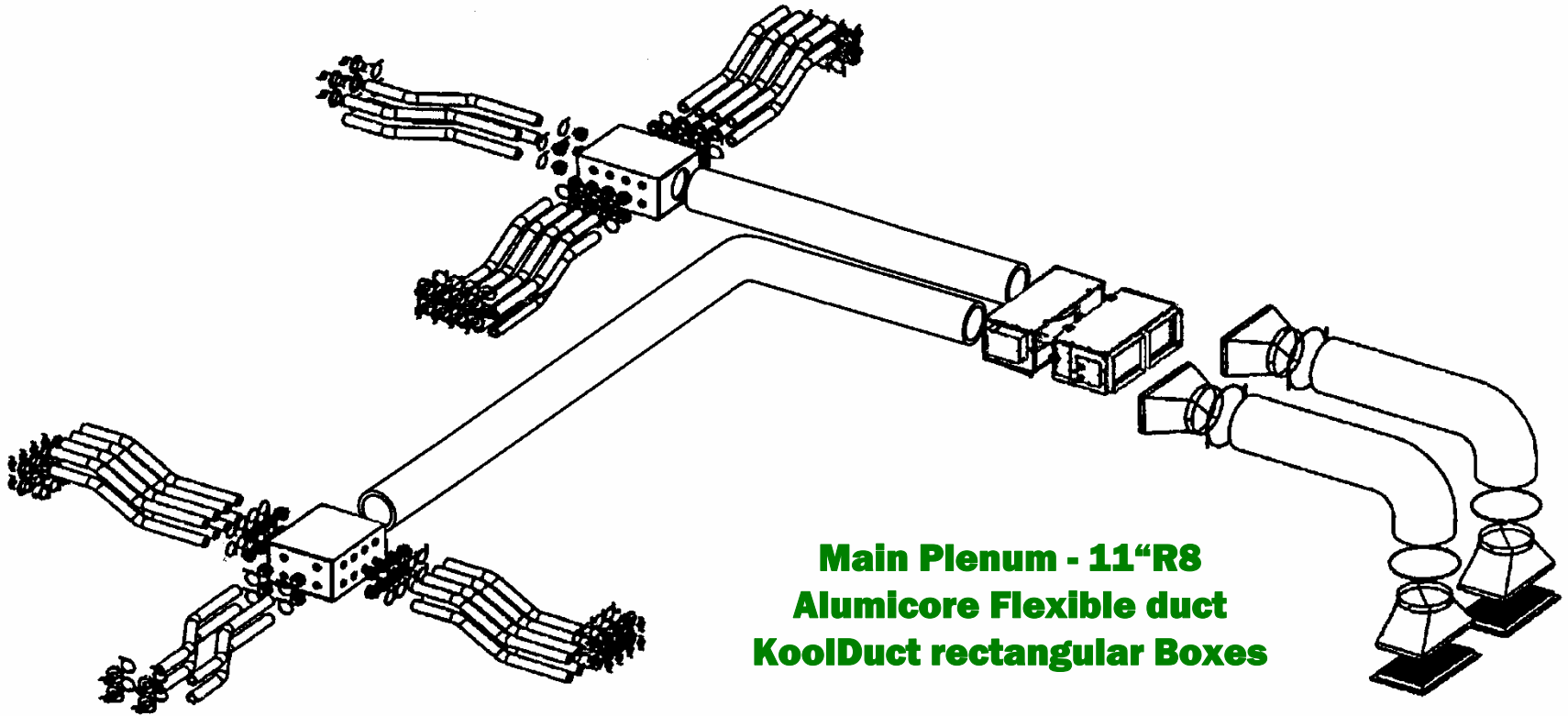
**Main Plenum - 11"R8  
Alumicore Flexible duct  
KoolDuct rectangular  
Boxes**



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# 5 Ton Non Split System Cooling



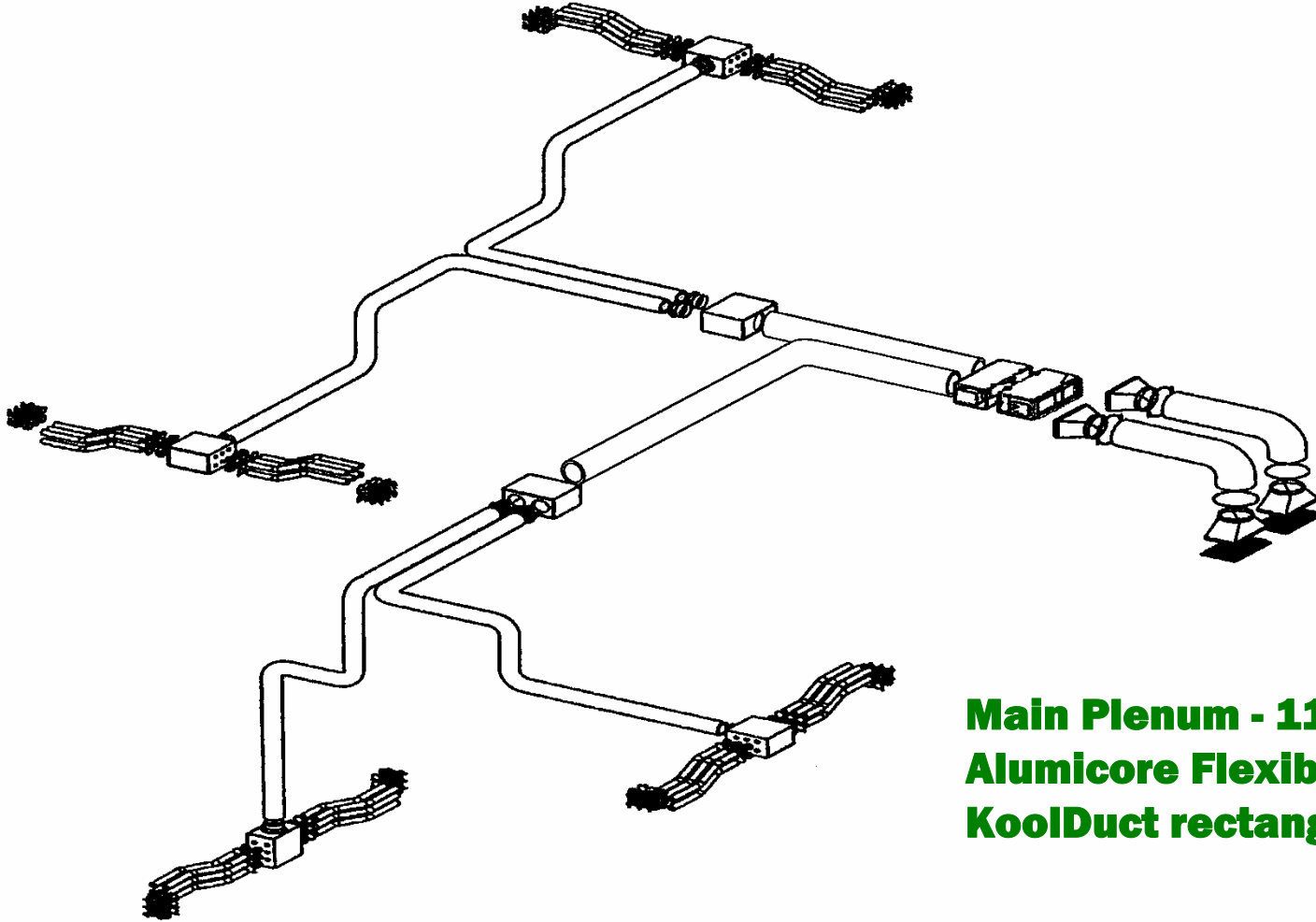
**Main Plenum - 11"R8  
Alumicore Flexible duct  
KoolDuct rectangular Boxes**



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# 5 Ton Split System Cooling



**Main Plenum - 11"R8**  
**Alumicore Flexible duct**  
**KoolDuct rectangular Boxes**

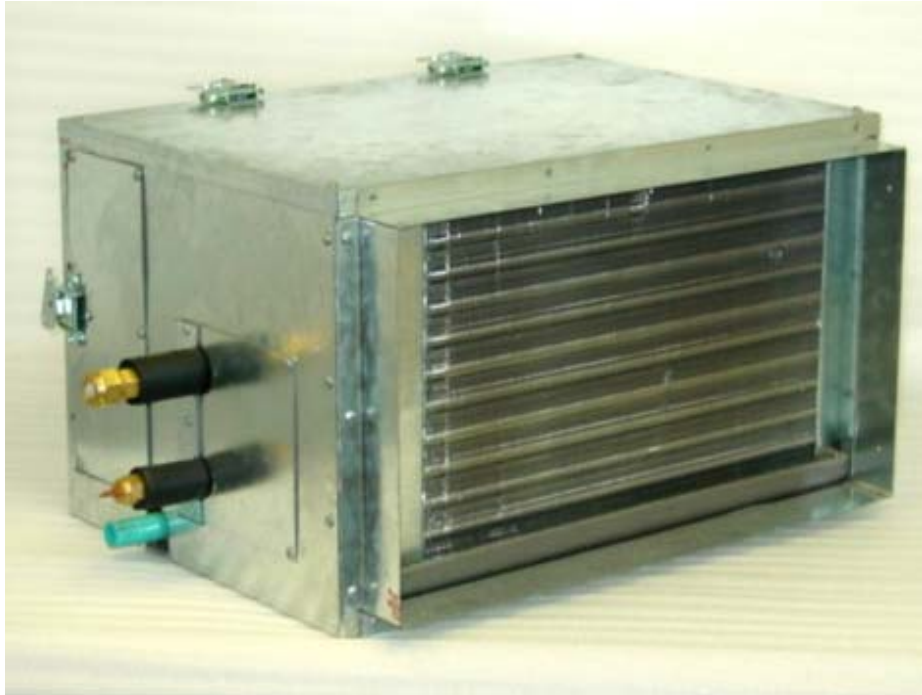


# Blower Modules



- Provides 1.5" WC ESP
- Approximately 300 CFM per Ton
- Multi-Speed PSC Motor
- Scroll Housing and Factory Balanced Wheel
- Slide-in Motor Chassis

# Coil Modules



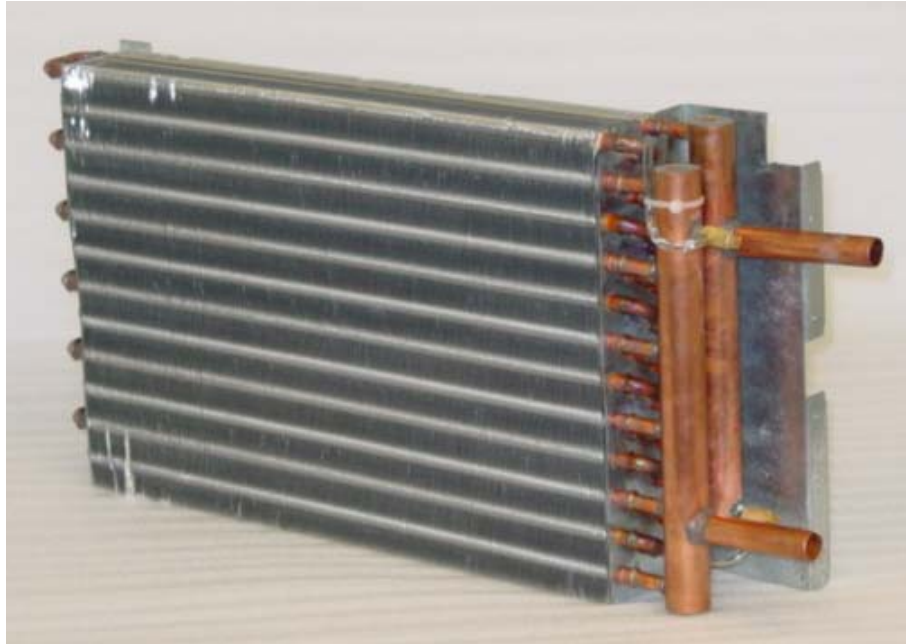
- DX Cooling Coil Modules
- Heat Pump Heat / Cool Coil Modules
- Chilled Water Cooling Modules
- 1.5 thru 5 Ton "True" BTUH Capacities

# Electric Heat Kits



- Heater Easily Slides Into Factory Opening
- Easy to Wire
- Available In 5 KW- 20 KW Sizes

# Hydronic Heat Coils

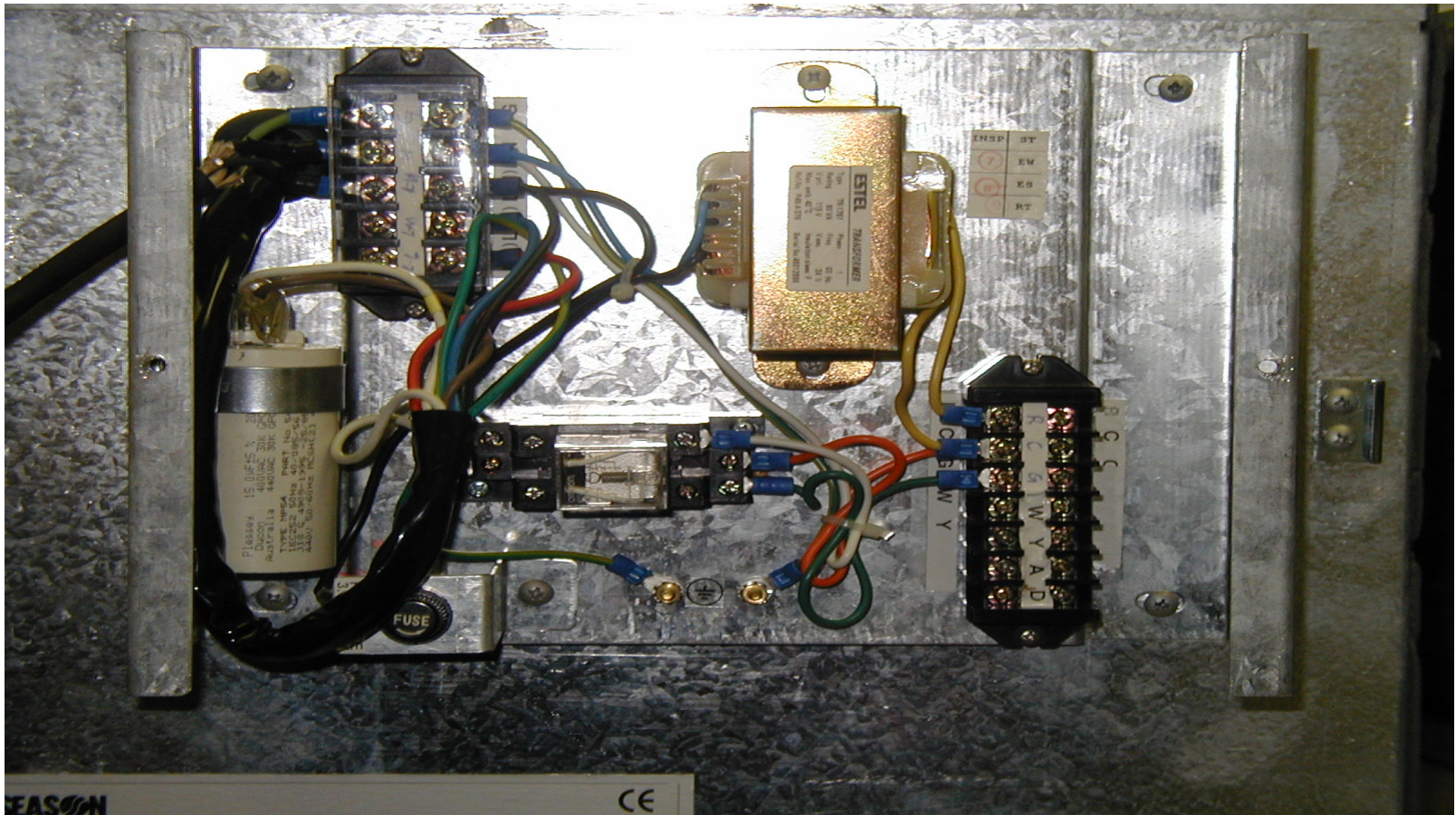


- ➡ 4 Sizes
- ➡ Easy to Install
- ➡ Sweat Connections
- ➡ 50 to 90MBH @ 180°F EWT

# Assembled Modules



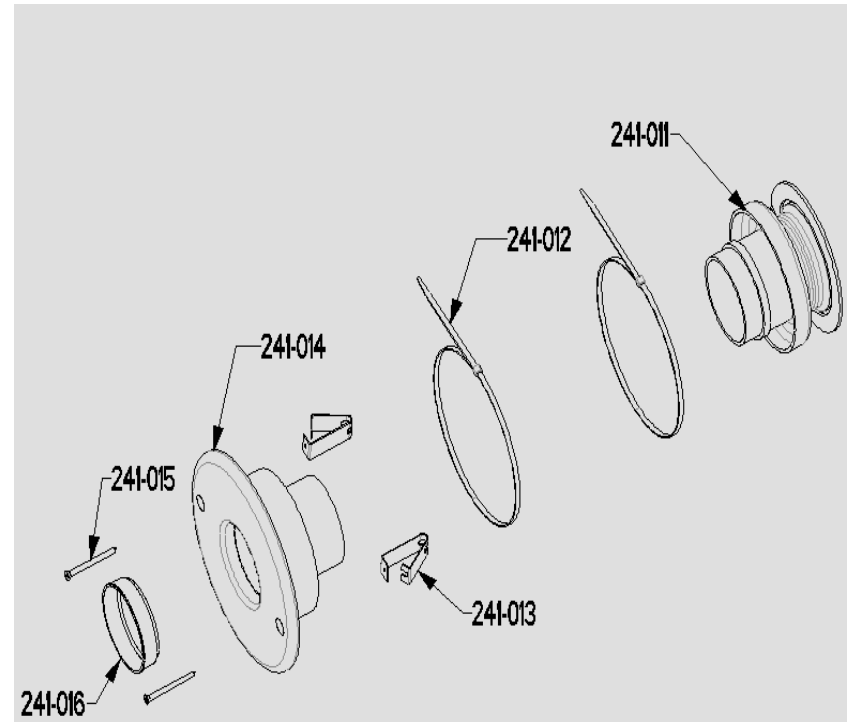
- Modules Easily Fit Between 16" O.C. Ceiling Joists
- Four Latches Provide Airtight Seal  
Between Blower and Coil Modules



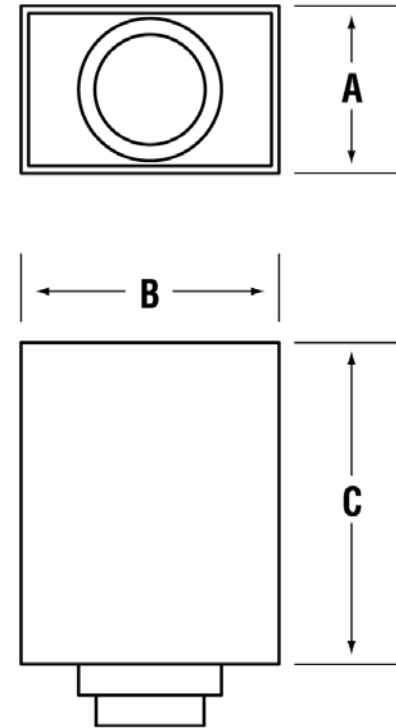
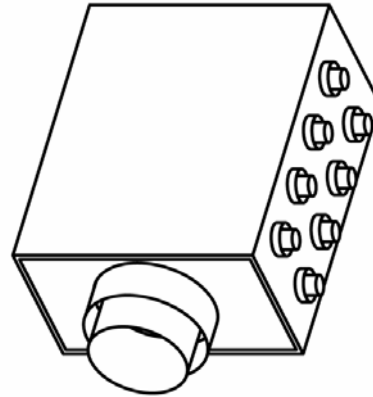
 **Simple wiring with easy access**

# Outlet Kits

- Spin-in Fittings
- Cable Ties
- Mounting Clips
- Outlet Diffusers
- Block-off Caps
- 2" 4 Per Kit
- 3" 2 Per Kit
- Packaged With Both "ADCs" & "SADCs"



# Air Distribution Center



- ➡ Self-Regulating
- ➡ No Balancing Orifices or Dampers Required
- ➡ Fully Assembled
- ➡ Constructed From "Super Duct" Material
- ➡ Nullifies Air Distribution Noises
- ➡ All Outlet Components Included
- ➡ Compact and Easy to Handle



# Accessories

**Adjustable Diffuser**

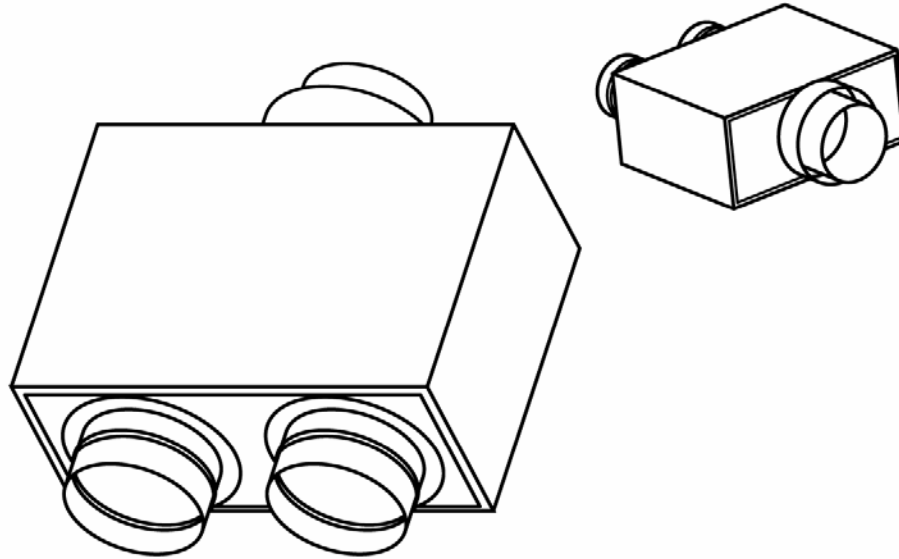


**Oak Outlet**

**Couplings**



# Split-Plenum Box



- ➡ 4 – 8" or 9" Tabbed Start Collars
- ➡ Constructed From "Super Duct" Material
- ➡ Diversifies the Application  
For 3, 4, and 5 Ton Systems

# QuietAir Sales & Marketing

Advertising

Promotion



### ComfortPro Systems LLC

Phone: 800/968-8905  
www.comfortprosystems.com

**Company Profile**  
ComfortPro Systems is the new name for an old company. Since 1990, we have been focused on selling complete radiant floor heating and snow melting systems. Over the years, we have expanded into plumbing (1996), high-pressure cooling (AirLink, 2002), extended service agreements (2004) and preinsulated pex piping (MicroFlex, 2005). Our old name was confusing our customers and potential customers, labeling us as a heating-only supplier. ComfortPro Systems describes our new direction. "A better approach. A better system!"



**ComfortPro Systems: Quality, Innovation, Integrity, Performance and Opportunity!**

ComfortPro Systems is a one-stop shop for several essential product categories: radiant, plumbing, cooling, preinsulated pex pipe and extended service agreements. We sell energy-saving comfort and peace of mind through integrated whole-house plumbing, heating and air-conditioning systems. Our product line offers residential and commercial customers complete system solutions, performance and price options.

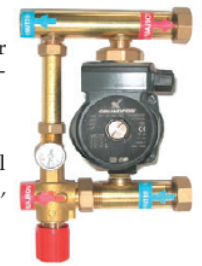
#### ComfortPro Systems

Heating, air-conditioning, plumbing and piping products for residential and commercial systems. Engineered for efficiency, simplicity and ease of operation, backed by extended service agreements.



#### AquaHeat

Radiant heating and snowmelting products for residential and commercial applications. Energy-efficient comfort!



#### AquaSeal

Pex piping and plumbing products for residential and commercial applications. The high-performance, long-lasting, safe plumbing system.

#### AirLink / QuietAir

High-pressure heating and cooling products for residential and commercial applications. Quiet, comfortable, energy-efficient comfort!

#### MicroFlex

Preinsulated pex piping distribution system for commercial heating, plumbing, cooling systems. The most flexible, durable and complete pex energy-delivery system available.

#### ProCare

Extended parts and labor service protection for residential and commercial heating, cooling and snowmelting systems.

#### Website

Our website is an interactive sales tool designed to meet the needs of the new marketplace. The public section of the site provides full access to sales facts, specifications, complete product overviews, sales literature and stocking warehouses. The professional section provides our customers password-protected access 24/7 to Account Management, providing instant pricing, product availability, order entry, order tracking, open orders, invoicing confirmation and shipping confirmation. The Sales Tools section provides access to literature, advertising material, specifications and submittal forms, including online "RGA" return goods forms, customized price sheets, sales promotion items catalog.

#### Warehousing

Our commitment is to deliver our products at a 95 percent fill rate to our customers in 72 hours or fewer! To accomplish our commitment, we have established seven strategically located full stocking warehouses throughout the continental United States. Each warehouse has been set up with inventory reflecting the demographic plumbing, radiant and air-conditioning needs of each location's region.

# Advertising

- **PM, PME, SUPPLY HOUSE TIMES**
- **CONTRACTING BUSINESS**
- **HVACR**
- **RADIANT FLOORING GUIDE**
- **RESIDENTIAL DESIGN & BUILD**
- **QUALITY REMODLER**
- **JOBSITE**
- **HVAC INSIDER**



# QuietAir

High pressure heating and cooling products



Home comfort systems

## work better when they are designed to work together.

**ComfortPro. A better approach. A better system.**



ProMix pump block & header



Isotherm

Our system is BTU independent and capable of efficiently delivering heating or cooling BTU's exactly where and when you want them! **AquaHeat** ProMix pump block & header have high & low temperature delivery capability, are insulated and ready to mount. Isotherm controls flow and temperature, can be remote mounted perfect for multiple dwelling applications. **QuietAir** Quiet Cool Systems are 13 seer rated, deliver industry leading capacities, offer 2" & 3" supply ducts with hydronic and electronic heating options.



### AquaHeat

Radiant heating and snowmelling products



### QuietAir

High pressure heating and cooling products



1.800.968.8905

or visit [www.comfortprosystems.com](http://www.comfortprosystems.com)



# QuietAir

High pressure heating and cooling products



Home comfort systems

## work better when they are designed to work together.

**ComfortPro. A better approach. A better system.**



Floorpanel Dry Above  
3/8" pex pipe

HeatTrak Dry Below  
3/8" & 1/2" pex pipe

Radiant floor heating interconnected with a high pressure heating and cooling system gives your customers one integrated system that does it all! **AquaHeat** Floorpanel Dry Above System uses 24" x 24" interlocking panels or HeatTrak Dry Below System uses snap lock 4' aluminum panels. **QuietAir** Quiet Cool Systems are 13 seer rated, deliver industry leading capacities, offer 2" & 3" supply ducts with hydronic and electronic heating options.



### AquaHeat

Radiant heating and snowmelting products



### QuietAir

High pressure heating and cooling products



1.800.968.8905

or visit [www.comfortprosystems.com](http://www.comfortprosystems.com)

# FIVE P'S OF BEING A PRO CONTRACTOR

- **PROGRESSIVE**
  - Always looking for new technology and products. Not satisfied in doing things the old way
- **PROFESSIONAL**
  - Is trained to install and service new products
- **PARTICULAR**
  - Wants to install new technology correctly the first time
- **PROFIT MINDED**
  - Is in business to make money and sells quality, delivering full value to his customers
- **PRODUCT**
  - ComfortPro Systems is a combination of integrated energy saving products engineered to deliver reliable performance as one complete system



# Fall Sales Promotion



# In Summary

- **Full Range of Sizes (1.5 to 5 ton)**
- **New Technology (ADC air distribution center)**
- **Industry Leading Capacities & SEER's**
- **KoolDuct R-8.5 Rated Duct**
- **Alumicore Supply Ducts UL181 Rated**
- **2" and 3" Systems**
- **5 Year parts & 1 year Labor Warranty**
- **Aggressive Sales & Marketing Programs**
- **Competitively Priced**
- **Easy to Order "Quick Ship Packages"**