

EVAPORATOR COIL PRODUCT GUIDE



ADPNOW.COM

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WHY ADP?

Advanced Distributor Products (ADP) started with a vision to produce the best evaporator coils in the country. In 1992, ADP began production in Grenada, Mississippi, and started developing innovative products that are fully supported by a research and development laboratory, which includes areas for testing, assembling, and designing future products.

Today, ADP offers a wide range of premier HVAC products with exclusive design advantages. We pride ourselves on our quality, flexibility, and solutions. We design our products to fit any application and simplify installation. And we're always open to new partnerships with businesses and the communities we serve.



- Leading US manufacturer of evaporator coils and air handlers
- Built to the highest quality standards
- Microban[®] antimicrobial technology
- Advanced performance testing simulation software



- Broadest product line in the industry – thousands of variations available
- Products designed to match perfectly with any system
- Personalized programs for distributor partners
- Custom product strategies to meet local needs



- Short lead times
- Low warranty rates with simple claim process
- Insights from industry experts
- Focused on distributor and dealer success
- Quick and easy installation in the field



THE ADP ADVANTAGE

There's a reason ADP is the #1 producer of evaporator coils in the USA. Our coils are designed to match perfectly with any system, excelling in appearance and performance. And our coil line can accommodate any application need.

ALL ADP EVAPORATOR COILS OFFER



Innovative and efficient designs that maintain a minimal footprint



Installation flexibility and efficiency



Increased system performance



Available 10-year extended warranty with registration



Out-of-the-box installation



Industry-exclusive Microban® anti-microbial product protection on every Healthy Solutions® coil



Factory installed TXV's with bolt on connections



Both copper and aluminum coils available

EVAPORATOR COIL APPLICATION

An evaporator coil plays a crucial role in the operation of an air conditioner or heat pump by gently drawing warmth from the air within the home. It's positioned within the air handler or connected to the furnace.

Nestled within the blower compartment or air handler, the evaporator coil serves as a reservoir for the cooled refrigerant that the compressor sends its way. As the blower fan guides air over the coil, the refrigerant's chilly temperature effectively extracts heat from your indoor air, leaving you with a more comfortable environment. Subsequently, the refrigerant, now carrying the warmth it collected, embarks on a journey to the outdoor condenser coil. In the case of a heat pump, this process takes on a role reversal during winter. Here, the evaporator coil releases heat from the refrigerant into your home, counteracting the chill instead of sending it outside.

In this way, the evaporator coil silently contributes to the coziness of your living spaces while also being versatile enough to adapt to seasonal variations in temperature.





FLEX COIL ONE COIL. ANY REFRIGERANT. ONLY FROM ADP

WHAT IS FLEXCOIL?

FlexCoil is exactly what the name implies, one coil, any refrigerant, offering the flexibility you need for 2024 and beyond. ADP's FlexCoil is designed to help HVAC distributors and dealers succeed during this year's refrigerant transition.

WHAT MAKES FLEXCOIL THE RIGHT CHOICE?



Flexibility for distributors

- Future-proofs inventory while maintaining backward compatibility
- Minimizes inventory obsolescence risk



Easy installation for dealers

- Provides a full line of coils and air handlers certified for both refrigerant types
- Field or factory-installed Refrigerant Detection System (RDS)
 - Single RDS with dual-calibrated sensor for both R-32 and R-454B
 - Field RDS offers one kit with everything needed to make an easy refrigerant change
- All ADP FlexCoil products come with the sensor bracket preinstalled in the approved location and have mechanical fit connections to install or change the metering device, such as a TXV

HOW DOES FLEXCOIL SIMPLIFY THE TRANSITION TO LOW-GWP REFRIGERANTS?

Discuss your transition with your ADP sales agency to develop a customer product strategy for 2024:

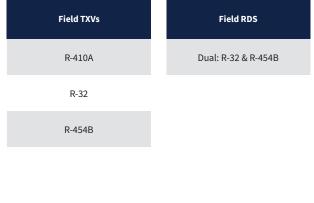


Factory or field configurable for R-22, R-410A, R-454B, or R-32

WHEN WILL FLEXCOIL BE AVAILABLE?

FlexCoil options will begin to be available in Q1 2024, with all ADP coil and air handler unit lines transitioning to FlexCoil by mid-year.

Factory Refrigerant	Factory RDS
R-410A	No
R-32	Yes
R-32	No
R-454B	Yes
R-454B	No





Scan to learn more about ADP's FlexCoil

EVAPORATOR COIL PRODUCT OFFERING

Multi-Position & Dedicated Downflow

HE & Dedicated Downflow Series Lower heights and variable widths for a perfect furnace fit

FLEX ACOIL

Horizontal Top Connection V Series Dedicated horizontal coils offer strategic attic solutions over standard MP coils FLEX COIL

Horizontal Side Connection

HD Series Dedicated horizontal coils offering the perfection solution for crawl spaces FLEX COIL

Plenum Coil

PL Series Dedicated horizontal coil with an integrated plenum for fast installation FLEX COIL

Horizontal Slab

HH Series Dedicated horizontal slab coils great for replacement of legacy applications FLEX COIL

Manufactured Housing

M Series Mobile home applications with sized out down-turned headers for easy line brazing FLEX COIL

Service Coils

SC Series Service coils offering the perfect replacement for 8-12 SEER coils FLEX COIL

















EVAPORATOR COIL PRODUCT COMPARISON

Series	HE Series	Downflow	V Series	HD Series	PL Series	M Series	HH Series
DESCRIPTION	Multi-Position	Dedicated Downflow	Horizontal Coil	Horizontal Coil	Horizontal Coil	Manufactured House	Horizontal Coil
Flex							
R-410A	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
R-32	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
R-454B	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
WARRANTY							
Extended Warranty Available	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
COIL FEATURES							
Aluminum Coil	\checkmark	\checkmark	\checkmark		\checkmark		
Copper Coil	\checkmark	\checkmark	\checkmark	\checkmark		\checkmark	\checkmark
APPLICATION							
Vertical Upflow/Downflow	\checkmark	✓ Down- flow				\checkmark	
Horizontal Right/Left	\checkmark		\checkmark	\checkmark	\checkmark		\checkmark
AC/HP	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
Cased	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark		\checkmark
Uncased	\checkmark					\checkmark	
CABINET							
Embossed	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark		\checkmark
Painted	\checkmark		\checkmark				
DRAIN PAN							
Microban [®] Antimicrobial	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark		\checkmark
UV Resistant	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark		\checkmark
Sloped Design	\checkmark	\checkmark	\checkmark		\checkmark	\checkmark	
METERING (All product	s are R-22/ R-410A co	onvertible)					
Piston	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
TXV	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark

 \checkmark Available factory installed



AVAILABLE **10-YEAR** EXTENDED WARRANTY WITH REGISTRATION

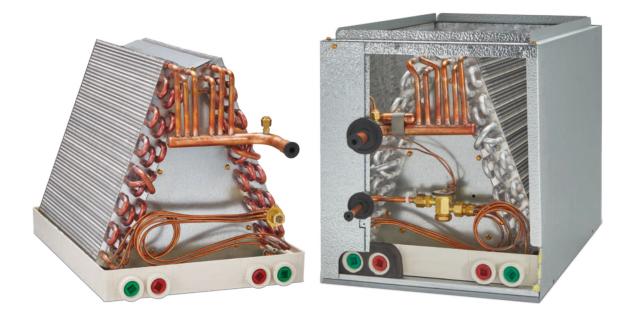
SCAN THIS CODE TO REGISTER FOR OUR 10-YEAR WARRANTY.





Scan the QR code to learn more





Lower heights and variable widths for a perfect furnace fit

Cased, uncased, multi-position and upflow/downflow configurations

Built-in plenum flanges with rounded corners for fast and safe installation

Front panel with only four screw access and non-captive refrigerant lines for fast and easy coil access

Available in copper or aluminum

Painted cabinet options for furnace color coordination



Microbes can double every 20 minutes on an untreated surface!



Mold is part of our environment and there are no practical ways to completely eliminate mold spores.

The best defense against mold in a home is to prevent it from taking hold through moisture control and the use of mold resistant building materials.

Lower Height

ADP provides space saving opportunities and a perfect fit with your furnace!



Nomenclature

Н	G30	9	24	D	145	В	12	05	AP	N
Cabinet Color	Slab No.	Refrigerant Type & Metering Device (Field Configurable)	Nominal MBTUH	Cabinet Depth	Width	Cabinet Upper Notch	Cabinet Height	Configuration	Access Port	Refrigerant Detection System (Field Configurable)
H = Embossed A = Armstrong G = ICP J = Goodman/ Amana N = Nordyne P = Carrier/ Bryant/ Payne R = Rheem/Ruud T = Trane/ American Standard Y = York/Luxaire Coleman	E & A = Copper slab G = Aluminum slab	 1 = Piston¹ (R-410A) 7 = R-410A Bleed HP-A/C TXV 9 = R-410A Non- bleed HP-A/C TXV A = R454B Non- bleed HP- A/C TXV B = R32 Non- bleed HP- A/C TXV 		A = Uncased C = 20.5" ^[2] D = 21.0" E = 21.5"	Cased 140 = 14.0" 142 = 14.25" 145 = 14.5" 175 = 17.5" 210 = 21.0" 245 = 24.5" Uncased 130 = 13.0" 140 = 14.0" 155 = 15.5" 170 = 17.0" 200 = 20.0" 205 = 20.5"	A = Uncased B = 0.75" <i>(Standard)</i>	00 = Uncased 12 = 12.5" 16 = 16.5" 18 = 18.5" (up to 31.5")	 00 = Right-hand uncased 01 = Right-hand cased 04 = Left-hand uncased 05 = Left-hand cased 20 = Right-hand cased multi-position 22 = Left-hand cased multi-position 	AP = TXV Access Port	R = Included (Factory Installed) N = Not Included (Field Installed)



Scan the QR code to learn more





Short height to fit constrained spaces

Fits furnace with no additional support needed

Better air flow for higher performance versus N-coil

Out-of-the-box reliable downflow solution and no kit needed

Front panel with only six screws for fast and easy coil access; non-captive refrigerant lines



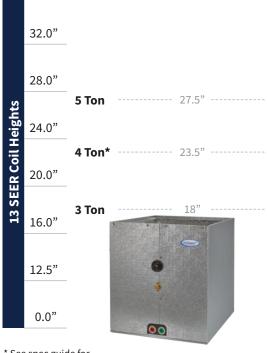
Perfect Fit

- Full depth cabinet for a sturdy installation
- Perfect width fit for a cleaner design
- Braced cabinet for added strength



Short Height

- Fits in height constrained spaces
- Space savings opportunities



* See spec guide for available models

Nomenclature

Α	24	VAC	9	X	R	17	D	N
Series	Nominal MBTUH	Slab Number	Refrigerant Type & Metering Device (Field Configurable)	Embossed	Cabinet Depth	Cabinet Width	Configuration	Refrigerant Detection System (Field Configurable)
A = Vertical		VAC, VBC. VCC, etc. = Copper Slab VAA, VBA. VCA, etc. = Aluminum Slab	 1 = Piston¹ 7 = R-410A Bleed HP-A/C TXV 9 = R-410A Non-bleed HP-A/C TXV A = R454B Non-bleed HP-A/C TXV B = R32 Non-bleed HP-A/C TXV 	X = Embossed	R = 26.5"	14 = 14.5" 17 = 17.5" 21 = 21.0" 24 = 24.5"	D = Downflow	R = Included (Factory Installed) N = Not Included (Field Installed)



Scan the QR code to learn more





Dedicated horizontal coils offer strategic attic solutions over standard MP coils

Top refrigerant connections eliminating counter flow and line re-routing

Dual condensate drains on each side for additional installation flexibility

Top panel with only four screws for fast and easy coil access

Available in copper or aluminum

Painted cabinet options for furnace color coordination



Microbes can double every 20 minutes on an untreated surface!





Mold is part of our environment and there are no practical ways to completely eliminate mold spores.

The best defense against mold in a home is to prevent it from taking hold through moisture control and the use of mold resistant building materials.

Perfect Attic Solution

Dedicated horizontal coils offer a quality advantage over standard multi-position coils!



Perfect Furnace Fit

Coil height matches furnace width, no adapter required

5 Ton Attic Access 21" solution easily passes through 22" attic opening

Top Refrigerant Connections Eliminates counter flow and line re-routing

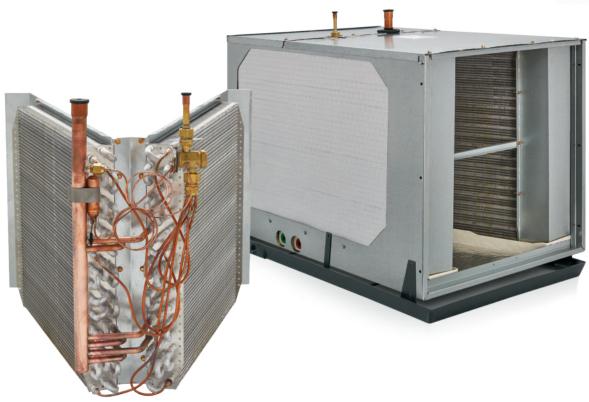
Nomenclature

V	24	н	145	D12	9	N
Cabinet Color	Nominal MBTUH	Coil Type	Cabinet Height	Slab Number	Refrigerant Type & Metering Device (Field Configurable)	Refrigerant Detection System (Field Configurable)
V = Embossed A = Armstrong G = ICP J = Goodman/Amana N = Nordyne P = Carrier/Bryant/Payne R = Rheem/Ruud T = Trane/American Standard Y = York/Luxaire/Coleman		H = Horizontal A-Coil	145 = 14.5" 175 = 17.5" 210 = 21.0" 245 = 24.5" 252 = 25.25"	D = Copper Slab P = Aluminum Slab	 1 = Piston¹ 7 = R-410A Bleed HP-A/C TXV 9 = R-410A Non-bleed HP-A/C TXV A = R454B Non-bleed HP-A/C TXV B = R32 Non-bleed HP-A/C TXV 	R = Included (Factory Installed) N = Not Included (Field Installed)



Scan the QR code to learn more





Dedicated horizontal coil with Integrated plenum for fast installation

Built-in handle allows for easy lifting through tight spaces, such as an attic

Top refrigerant connections and dual condensate drains for installation flexibility

Top panel with only four screw access and UV light knockouts for installation flexibility

Pilot holes for fast secondary drain pan attachment



Microbes can double every 20 minutes on an untreated surface!



Standard plastic pan with visible mold



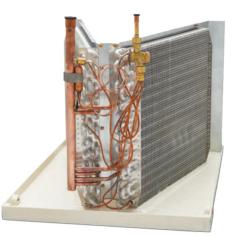
Plastic pan with Microban[®] antimicrobial additive

Mold is part of our environment and there are no practical ways to completely eliminate mold spores.

The best defense against mold in a home is to prevent it from taking hold through moisture control and the use of mold resistant building materials.

All-in-One Solution

ADP provides a light weight plenum coil solution with premier features and benefits!



Mobility

Light weight aluminum evaporator coils with aluminum header plates

Attic Access Built-in handle allows easy lifting through tight spaces

Top Refrigerant Connections Eliminates counter flow and line re-routing

Ρ L 24 145 P12 25 Н 9 Ν Refrigerant Type & Refrigerant Nominal **Coil Height** Slab Number Product Line Cabinet Color Coil Type **Cabinet Length Metering Device Detection System** мвтин (Field Configurable) (Field Configurable) **P** = Plenum L = Galvanized H = Horizontal **145 =** 14.5" P13 1 = Piston¹ 35 R = Included Coil (Factory Installed) **175 =** 17.5" P14 7 = R-410A Bleed 40 N = Not Included **210 =** 21.0" P16 etc. HP-A/C TXV (Field Installed) 9 = R-410A **245 =** 24.5" Non-bleed HP-A/C TXV **A =** R454B Non-bleed HP-A/C TXV B = R32 Non-bleed HP-A/C TXV

¹Piston will always be sized to match the nominal BTU rating of the coil. See Spec Guide for additional nomenclature details.

Nomenclature



Scan the QR code to learn more





Dedicated horizontal coils offering the perfection solution for crawl spaces

Counterflow capable to meet any airflow direction

Side refrigerant connections for easy access to coil

Built-in plenum flanges with rounded corners for fast and safe installation

Available in copper or aluminum



Microbes can double every 20 minutes on an untreated surface!



antimicrobial additive

Mold is part of our environment and there are no practical ways to completely eliminate mold spores.

The best defense against mold in a home is to prevent it from taking hold through moisture control and the use of mold resistant building materials.

Crawl Space Solutions

Dedicated horizontal with side refrigerant connections are perfect for crawl space application!



Nomenclature

н	D02	1	24	E	145	В	21	47	AP	N
Cabinet Color	Slab Number	Refrigerant Type & Metering Device (Field Configurable)	Nominal MBTUH	Cabinet Width	Cabinet Height	Duct Flange	Cabinet Length	Product Code	Access Port	Refrigerant Detection System (Field Configurable)
H = Embossed A = Armstrong G = ICP J = Goodman/Amana N = Nordyne P = Carrier/Bryant/ Payne R = Rheem/Ruud T = Trane/American Standard Y = York/Luxaire/ Coleman	D = Copper Slab P = Aluminum Slab	 1 = Piston¹ 7 = R-410A Bleed HP-A/C TXV 9 = R-410A Non-bleed HP-A/C TXV A = R454B Non-bleed HP-A/C TXV B = R32 Non-bleed HP-A/C TXV 		E = 21.5" (Standard)	145 = 14.5" 175 = 17.5" 210 = 21.0" 245 = 24.5"	B = 0.75"	21 = 21.5" 26 = 26.5" 31 = 31.5"	47 = Refrigerant connections on side of cabinet	AP = TXV Access Port	R = Included (Factory Installed) N = Not Included (Field Installed)



Scan the QR code to learn more





Great for replacement of legacy applications

Dedicated Horizontal slab coils

Bi-directional airflow for installation flexibility

Available with piston or TXV factory installed



Microbes can double every 20 minutes on an untreated surface!



Mold is part of our environment and there are no practical ways to completely eliminate mold spores.

The best defense against mold in a home is to prevent it from taking hold through moisture control and the use of mold resistant building materials.



Factory installed TXV's with bolt on connections

Nomenclature

Н	H57	1	24	Α	185	Α	21	02	AP	N
Cabinet Color	Slab Number	Refrigerant Type & Metering Device (Field Configurable)	Nominal MBTUH	Cabinet Depth	Cabinet Width	Airflow	Cabinet Height	Product Code	Access Port	Refrigerant Detection System (Field Configurable)
H = Embossed		 1 = Piston¹ 7 = R-410A Bleed HP-A/C TXV 9 = R-410A Non-bleed HP-A/C TXV A = R454B Non-bleed HP-A/C TXV B = R32 Non-bleed HP-A/C TXV 		A = 10"	185 = 18 5/8" 225 = 22 5/8" 265 = 26 5/8" 305 = 30 5/8" 365 = 36 5/8" 425 = 42 5/8"	A = Bi- directional airflow	21 = 21 1/4"	02 = Cased "H"	AP = TXV Access Port	R = Included (Factory Installed) N = Not Included (Field Installed)



Scan the QR code to learn more





Manufactured housing application

Filter friendly top plate

Sized out down-turned headers for easy line brazing

Coils charged with dry air for greater flexibility with both R-22 and R-210A applications

Low water retention drain pan design with built-in downflow drip shields



Blow-off Protection & Improved Air Quality

ADP provides enhanced protection to prevent condensate blow-off and improve overall air quality. Our manufactured housing evaporator coils are designed to remove unhealthy standing water from the drain pan.



Reduce Condensate Blow-off

Specially designed downflow drain pan for added protection

Reduced Installation Time

Drip shield molded into pan, no installation required

Sloped Drain Pan Superior drainage versus standard manufactured housing coils

Moisture Control

Reduced opportunities for growth of mold and bacteria due to standing water

Nomenclature

М	24	E32	9	Ν		
Series	Nominal MBTUH	Slab No.	Refrigerant Type & Metering Device (Field Configurable)	Refrigerant Detection System (Field Configurable)		
M = Manufactured Housing		E30 E31	1 = Piston ¹ 7 = R-410A Bleed HP-A/C TXV 9 = R-410A Non-bleed HP-A/C TXV A = R454B Non-bleed HP-A/C TXV B = R32 Non-bleed HP-A/C TXV	R = Included (Factory Installed) N = Not Included (Field Installed)		



Scan the QR code to learn more





Perfect replacement for 8-12 SEER coils

Sized for legacy installations

Same features as rated coils

Embossed cabinets for universal furnace match

Supplied with pistons for both R-22 and R-410A application



The Premier Replacement Coil for Any System

- Service coil for indoor coil replacement only; for new systems, please see our Premier Evaporator Coil product line
- Same features as rated coils
- Perfect replacement for 8-12 SEER coils

- Sized for legacy installations
- Supplied with pistons for both R-22 and R-410A applications
- Access port for easy TXV installation
- "No Hassle" 5-year warranty

Nomenclature

S	24	R	145
Product Line	Nominal MBTUH	Configuration	Width/Height
S = Service Coil		R = Right Hand Upflow (CU) L = Left Hand Upflow (CU) H = Horizontal (AK) S = Horizontal Slab (CU) (Multi-position option not available)	Cased Uncased Horizontal Slab 145 = 14.5" 130 = 13.0" 145 = 14.5" 187 = 18.75" 175 = 17.5" 140 = 14.0" 175 = 17.5" 227 = 22.75" 210 = 21.0" 155 = 15.5" 210 = 21.0" 245 = 24.5" 200 = 20.0" 245 = 24.5" 200 = 20.0" 245 = 24.5"

Upflow Specifications

Model Number		Cased Width					Uncased Width				
	14.5"	17.5"	21"	24.5"	13"	14"	15.5"	17"	20"		
S 24 (R,L)	х				х	х					
S 30 (R,L)	х	х			x	x	x				
S 36 (R,L)	х	х	х			x	х	х			
S 42 (R,L)		х	х				x	х			
S 48 (R,L)		х	х					х	х		
S 60 (R,L)			х	х					х		

Piston Kit Sizes

See Spec Guide for additional nomenclature details.

MBTUH	R-22	R-410A
24	59	53
30	67	59
36	73	67
42	80	73
48	84	76
60	93	93

Model	Horizontal			
Number	14.5"	17.5"	21"	24.5"
S 24 H	х			
S 36 H	х	х		
S 48 H		х	х	
S 60 H			х	х

Horizontal Specifications Horizontal Slab Specifications

Model	Low Profile 18.75" Slab			Standard 22.75" Slab			
Number	23"	27"	35"	23"	27"	35"	47"
S 24 S	х			х			
S 36 S		х			x		
S 48 S			х			х	
S 60 S			х				х



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