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- Contact your customer service representative or territory sales manager for pricing and availability.
- Free freight when your total spend is a minimum of \$3500.*



Thousands of HVAC products ready to ship.



Residential Vent & Chimney

Vent:





Standard efficiency b-vent, high efficiency polypropylene, special gas vent for condensing, near-condensing, and non-condensing vent systems. Stock residential diameters and system components available in 3" – 14". Additional sizes available up to 30". Direct vent systems also available. Premium quality materials and designs backed by UL standards.

Chimney:

All fuel chimney systems for venting wood, coal, oil, or gas. Available in residential diameters 4"-8". Additional sizes available up to 24". Pellet venting systems for gas, wood pellet, and biofuels. Stainless steel inner and outer materials. Variety of installer friendly components backed by UL standards.

Chimney Liner:

Aluminum and stainless steel. Lengths available up to 50'. Standard diameters available up to 8". Variety of installer friendly components backed by UL standards.



Grilles, Registers, & Diffusers





Flexible Air Duct

Flexible air duct systems UL Greenguard Gold certified for residential and commercial applications. Complete line of R-4.2, R-6.0, and R-8.0 available in many outer jacket and core combinations from 3" - 24" diameters and 25' - 50' lengths. Flexible aluminum, duct, duct sleeves and uninsulated flex duct also available.



Interior Access Doors

Access Doors – High quality and affordable interior access doors for all types of requirements. In stock or custom.





Roof Top Products

New construction and retrofit drain systems, flashings, expansion joint covers, equipment rails and curbs, duct supports and pipe mounting pedestals. In stock, or made to order.



Duct Components

Components and accessories for the residential and commercial HVAC and sheet metal industries including flange, rail, corners, hangers & strapping, and duct access doors.



Filters

Offered by Hart & Cooley

A complete line of Multi-Pleat or Commercial & Industrial Disposable panel filters, available in fiberglass and polyester.

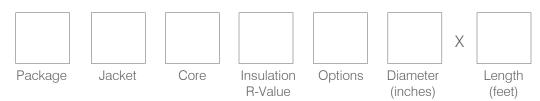




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MODEL SELECTOR



Package	
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F - Boxed

FB - Bagged

Jacket

- 0 No Jacket1 Black
 - Polyethylene Jacket
- 2 Metalized Polyester Jacket
- 3 Heavy-Duty (4 mil.) Black Polyethylene Jacket

Core

- 0 No Core
- 1 Double-Ply Black Polyester Core
- 4 CorrugatedAluminum Core
- 9 Multi-Ply Metalized/ Polyester Core "Commercial Series"

Insulation

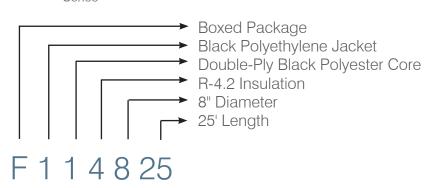
- 0 No Insulation4 R-4.2 Insulation
- 6 R-6.0 Insulation
- 8 R-8.0 Insulation

Options

CP - Compressed

UCP – Uncrimped, Compressed

How to Order:



Disclaimer: We reserve the right to make changes in the products, product specifications, packaging and to discontinue product without notice.

Product Information

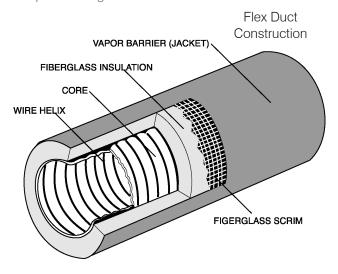


With Hart & Cooley, Inc. flexible duct systems you install confidence. Our products are tested to the highest standards and backed by the best warranty in the industry. Available by the truckload and strategically stocked all over the USA to respond to your needs.

Hart & Cooley, Inc. offers flexible duct products for both residential and commercial applications that provide the most economical solution to your air-handling needs. Hart & Cooley uses formaldehyde-free, bio-based, environmentally friendly insulation for improved indoor air quality. Available in boxes or bags. Custom lengths available.

POLYETHYLENE JACKET AIR DUCTS. These feature a durable, scuff-resistant black polyethylene vapor barrier that provides improved protection against damaging ultraviolet light. Installation is made easy with the reinforcing fiberglass yarn scrim, which acts as a rip-stop and helps prevent tearing. These air ducts feature an R-value of 4.2, 6.0 or 8.0 to fit any application, and also come in special configurations designed for manufactured homes.

METALIZED JACKET AIR DUCTS. Providing the ultimate in strength and protection, metalized polyester vapor barriers are reinforced with fiberglass scrim to provide high durability and tear resistance. The fiberglass insulation furnishes outstanding thermal protection with R-values of 4.2, 6.0 or 8.0. The metalized jacket air duct and sleeves are available with either a two-ply, black polyester core (Residential Series) or high-pressure, multi-ply, metalized polyester laminate core (Commercial Series) that encapsulate a high carbon steel wire helix.





TEN-YEAR WARRANTY.

All Hart & Cooley flexible duct products are protected by the industry's strongest warranty.

Our flexible ducts are warranteed to be free of defects in material and workmanship for ten (10) years from the date of shipment. (Contact Hart & Cooley, Inc. for full details.)

ECONOMICAL AIR DUCT CONNECTORS. Designed for high pressure applications, air duct connectors utilize either a multi-ply metalized/polyester laminate encapsulating a high carbon steel wire helix or corrugated aluminum for maximum strength and durability.

UL-LISTED. Hart & Cooley flexible air ducts and air connectors have been rigorously tested by Underwriters Laboratories, Inc. in accordance with UL 181, The Standard for Safety for Factory-Made Air Ducts and Air Connectors. UL is a not-for-profit laboratory with an outstanding reputation for fire safety and performance testing. **Our UL listing assures you that our duct cores will not promote the growth of mold.**

UL GREENGUARD GOLD. All Hart & Cooley insulated

flexible air ducts have achieved GREENGUARD Gold certification from UL Environment. This certification connects consumers to products certified for low chemical emissions.

All Hart & Cooley flexible ducts are listed as Highly Microbial Resistant under the GREENGUARD Gold Microbial Resistance Listing program.

ADC-CERTIFIED R-VALUES. All Hart & Cooley

insulated flexible air ducts are certified by the Air Diffusion Council for thermal performance in accordance with the ADC Flexible Duct Performance & Installation Standards (1996). Certified R-values are essential to ensure that the product you buy meets the many regulatory energy codes. Only ADC-certified products will bear this ADC thermal certification marking.

AMERICAN SCHOOLS AND HOSPITAL FACILITY PRODUCT DIRECTORY.

facilitymanagement.com/directory/hvac.html under Indoor Air Quality.

CODE APPROVALS. All Hart & Cooley flexible duct products meet or exceed the requirements of most federal, state, and local mechanical and energy codes. They comply with the International Mechanical Code (IMC), the Uniform Mechanical Code (UMC), NFPA 90A and 90B, HUD, and the California Bureau of Home Furnishings, just to name a few.

GREENGUARD



OUTSTANDING PERFORMANCE. All Hart & Cooley flexible duct products are performance-tested in accordance with industry standards to ensure reliability and years of service. Our core is tested (in accordance with ADC FD 72-R1) for actual installation static pressure/ temperature performance and meets the ratings specified in our catalog. Our polyester cores are also tested for microbial resistance by GEI per ASTM D6329-98. The vapor barriers are tested for permeation in accordance with ASTM test methods. Our flex duct stysems are performance tested.

INDUSTRY INVOLVEMENT. Hart & Cooley is committed to the flexible duct industry and supports

it through involvement in many industryrelated associations, committees, and organizations. Participation in Air Diffusion Council and Underwriters Laboratories, Inc. industry advisory council allows Hart



& Cooley to stay at the forefront of industry changes.

Performance Data

RESIDENTIAL SERIES BLACK POLYESTER CORE

- Rated pressure per UL 181: 12" W.C. positive,
 3/4" W.C. negative (1/2" W.C. neg for 14" 20" diameter)
- Recommended operating pressure:
 6" W.C. positive for 12" diameter and under
 4" W.C. positive for 14" diameter and over
- Rated maximum air velocity: 5000 FPM
- For residential and light commercial applications

COMMERCIAL SERIES METALIZED POLYESTER CORE

- Rated pressure per UL 181: 16" W.C. positive,
 1" W.C. negative (1/2" W.C. neg for 14" 20" diameter)
- Recommended operating pressure:
 6" W.C. positive for 12" diameter and under
 4" W.C. positive for 14" diameter and over
- Rated maximum air velocity: 6000 FPM
- For residential and most commercial applications

COMMERCIAL SERIES CORRUGATED ALUMINUM CORE

- Maximum rated pressure per UL 181:
 12" W.C. positive for 10" diameter and under
 8" W.C. positive for 12" diameter and over
 3" W.C. maximum negative
- Rated maximum air velocity: 5000 FPM

INSULATION R-VALUES

 Certified by Underwriters Laboratories Inc. and the Air Diffusion Council in accordance with ADC Flexible Duct Performance and Installation Standards using ASTM C-518 at installed wall thickness on flat insulation only

POLYETHYLENE JACKETS

- A durable black polyethylene vapor barrier
- High tensile scrim is used under the vapor barrier to provide additional strength and tear resistance
- Perm rating of 0.1 (ASTM E96 Method "A")

METALIZED JACKETS

- A metalized polyester vapor barrier is constructed by sandwiching fiberglass scrim between layers of polyester to provide an outstanding combination of strength and tear resistance
- Perm rating of 0.04 (ASTM E96 Method "A")

SURFACE BURNING CHARACTERISTICS

(Class 1 Air Ducts)

Maximum flame spread: 25

• Maximum smoke developed: 50

OPERATING TEMPERATURE RANGE

- -20°F to 140°F continuous @ max. Pos. pressure
- -20°F to 180°F intermittent @ 2" W.C. Pos. pressure
- -20°F to 250°F intermittent @ 0.5" W.C. Pos. pressure
- For corrugated aluminum cores:
 - -100°F to 250°F continuous @ max Pos. pressure

CODE APPROVALS, CERTIFICATIONS, AND LISTINGS

- UL 181 Listed
- NFPA 90A and 90B
- IMC
- HUD
- UMC
- California Bureau of Home Furnishings
- Most Federal, State, and Local codes and standards

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Residential Series Flexible Air Ducts





F114, FB114 / F116, FB116 / F118, FB118

- Black polyethylene jacket
- Double-ply black polyester core 12" W.C. positive, 3/4" W.C. negative (1/2" W.C. neg for 14" 20" diameter)
- R-4.2 / R-6.0 / R-8.0
- UL-listed
- Boxed or bagged (FB series)
- 25' and 50' lengths
- GREENGUARD Listed for microbial resistance

Model	Length (feet)					D	iam	ete	r (in	ches	s)			
F114	25	3	4	5	6	7	8	9	10	12	14	16	18	20
FB114	25	_	4	5	6	7	8	9	10	12	14	16	18	20
F114	50	_	4	5	6	7	8	9	10	12	_	_	_	_
F116	25	3	4	5	6	7	8	9	10	12	14	16	18	20
FB116	25	_	4	5	6	7	8	9	10	12	14	16	18	20
F116	50	_	_	5	6	7	8	9	10	_	_	_	_	_
F118	25		1	5	6	7	8	9	10	12	14	16	18	20
1 110	23		4		0	-/	0	9	10	12	14	10	10	20
FB118	25	_	4	5	6	7	8	9	10	12	14	16	18	_
F118	50	_	-	-	6	7	8	_	-	-	-	-	-	-



F214, FB214 / F216, FB216 / F218, FB218

- Metalized polyester jacket reinforced with fiberglass scrim
- Double-ply black polyester core 12" W.C. positive, 3/4" W.C. negative (1/2" W.C. neg for 14" 20" diameter)
- R-4.2 F214,FB214 / R-6.0 F216,FB216 / R-8.0 F218,FB218
- UL-listed
- Boxed or bagged (FB series)
- 25' and 50' lengths
- GREENGUARD Listed for microbial resistance

Model	Length (feet)					D	iam	nete	r (in	ches	s)			
F214	25	3	4	5	6	7	8	9	10	12	14	16	18	20
FB214	25	_	4	5	6	7	8	9	10	12	14	16	18	20
F214	50	_	_	5	6	7	8	9	10	12	_	_	_	_
F216	25	_	4	5	6	7	8	9	10	12	14	16	18	20
FB216	25	_	4	5	6	7	8	9	10	12	14	16	18	20
F216	50	_	4	5	6	7	8	9	10	_	_	_	_	_
F218	25	3	4	5	6	7	8	9	10	12	14	16	18	20
FB218	25	_	4	5	6	7	8	9	10	12	14	16	18	_

Residential Series Flexible Air Ducts





F314 / F318

(Manufactured Home) Class 1 Air Duct

- Heavy-duty 4 mil. black polyethylene jacket
- Double-ply black polyester core 12" W.C. positive, 3/4" W.C. negative (1/2" W.C. neg for 14" 20" diameter)
- R-4.2 F314, R-8.0 F318
- UL-listed
- 25' length
- Boxed
- GREENGUARD Listed for microbial resistance

Model	Length (feet)					D	ian	nete	r (in	ches	3)			
F314	25	_	_	_	6	_	8	_	10	12	14	_	_	_
F318	25	_	_	_	_	_	_	_	10	12	14	16	_	_

Commercial Series Flexible Air Ducts



F144 / F146 Commercial Series

- Black polyethylene jacket
- Corrugated aluminum core 12" W.C. positive, 3" W.C. negative
- R-4.2, R-6.0
- UL-listed
- Available in 6' and 7 1/2' lengths

Model	Length (feet)					Dia	ıme	ter (inch	es)			
F144*	6	4 [†]	5	6	7	8	9	10	12	14	16	18	20
F144*	71/2	4 [†]	5	6	7	8	9	10	12	14	16	18	20
F146*	6	4^{\dagger}	5	6	7	8	9	10	12	14	16	18	20
F146*	71/2	4^{\dagger}	5	6	7	8	9	10	12	14	16	18	20

*For California Only †Not UL-listed



F194 Commercial Series

- Black polyethylene jacket
- UL-listed
- High pressure core, 16" W.C. positive,
 1" W.C. negative (1/2" W.C. neg for 14" 20" diameter)
- Multi-ply metalized/polyester core
- R-4.2
- Boxed
- 25' length
- GREENGUARD Listed for microbial resistance

Model	Length (feet)					D	ian	nete	r (in	ches	s)			
F194	25	_	4	5	6	7	8	9	10	12	14	16	18	20

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Commercial Series Flexible Air Ducts





F244, F246 Commercial Series

- Metalized polyester jacket
- Corrugated aluminum core
 12" W.C. positive, 3" W.C. negative
- R-4.2 F244 / R-6.0 F246
- UL-listed
- Available in 6' and 71/2' lengths

Model	Length (feet)						Di	ame	ter (inch	es)				
F246*	6	4 [†]	5	6	7	8	9	10	12	14	16	18	20	_	_
F246*	71/2	4 [†]	5	6	7	8	9	10	12	14	16	18	20	_	_
F244*	71/2	4 [†]	5	6	7	8	9	10	12	14	16	18	20	_	_

^{*}For California Only

†Not UL-listed



F294, FB294 / F296, FB296 / F298, FB298 Commercial Series

- Metalized polyester jacket reinforced with fiberglass scrim
- High pressure multi-ply metalized/polyester core, 16" W.C. positive, 1" W.C. negative (1/2" W.C. neg for 14" – 20" diameter)
- R-4.2 F294,FB294 / R-6.0 F296,FB296 / R-8.0 F298,FB298
- UL-listed Boxed and bagged 25' length
- GREENGUARD Listed for microbial resistance

Model	Length (feet)					D	ian	nete	r (in	ches	s)			
F294	25	_	4	5	6	7	8	9	10	12	14	16	18	20
FB294	25	_	4	5	6	7	8	9	10	12	14	16	18	20
F296	25	_	4	5	6	7	8	9	10	12	14	16	18	20
FB296	25	_	4	5	6	7	8	9	10	12	14	16	18	20
F298	25	_	4	5	6	7	8	9	10	12	14	16	18	_
FB298	25	_	4	5	6	7	8	9	10	12	14	16	18	20



AlumiFlex™ F040CP

- Sturdy corrugated aluminum construction
- Bulk packaged
- Class 0 air connector
- One end crimped, compressed



F040UCP

 Uncrimped, compressed



F040

- Male/Female collars, uncompressed
- UL-listed air duct
- · California only

Series	Model	Length (feet)							Dia	mete	er (in	ches)				
Commercial	F040*	6	_	4^{\dagger}	5	6	7	8	9	10	12	14	16	18	20	22^{\dagger}	24^{\dagger}
Commercial	F040*	71/2	_	4^{\dagger}	5	6	7	8	9	10	12	14	16	18	20	22^{\dagger}	24^{\dagger}
Residential	F040CP	8	3 [†]	4^{\dagger}	5^{\dagger}	6^{\dagger}	7^{\dagger}	8^{\dagger}	9^{\dagger}	10^{\dagger}	12 [†]	14^{\dagger}	16^{\dagger}	18^{\dagger}	_	_	_
Residential	F040UCP	8	3 [†]	4^{\dagger}	5^{\dagger}	6^{\dagger}	7^{\dagger}	8†	9†	10 [†]	12 [†]	14^{\dagger}	16 [†]	18 [†]	_	_	_
Residential	F040CP	10	3 [†]	4^{\dagger}	_	_	_	_	_	_	_	_	_	_	_	_	_
Residential	F040UCP	20	3 [†]	4^{\dagger}	5^{\dagger}	6^{\dagger}	7^{\dagger}	8 [†]	_	_	_	_	_	_	_	_	_

*For California Only

Other sizes available upon request

†Not UL-listed

Air Connectors and Sleeves



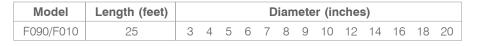


F090 Commercial Series

- High pressure multi-ply metalized/polyester core, 16" W.C. positive, 1" negative. (1/2" W.C. neg for 14" – 20" diameter)
- UL and CUL listed
- 25' length
- GREENGUARD Listed for microbial resistance
- Bulk packaged
- Class 1 air connector

F010

Double-ply black polyester core, 12" W.C. positive, 3/4" negative (1/2" W.C. neg for 14" – 20" diameter)





F104, F106, F108

- · Black polyethylene jacket
- R-4.2 F104 / R-6.0 F106 / R-8.0 F108 (R-values valid if sleeve is used on relatively sized duct)
- UL-classified
- 5' length
- Starter cone included in each carton

Model	Length (feet)				Dia	met	er (inch	es)		
F104	5	4	5	6	7	8	9	10	12	14	16
F106	5	4	4	5	7	8	9	10	12	14	16
F108	5	4	5	6	7	8	9	10	12	14	16



F204, F206, F208

- Metalized polyester jacket
- R-4.2 F204 / R-6.0 F206 / R-8.0 F208 (R-values valid if sleeve is used on relatively sized duct)
- 5' length
- Starter cone included in each carton
- UL-classified

Model	Length (feet)			ı	Dia	net	er (inch	es)		
F204	5	4	5	6	7	8	9	10	12	14	16
F206	5	4	4	5	7	8	9	10	12	14	16
F208	5	4	5	6	7	8	9	10	12	14	16

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Accessories







Silver





Duct Tape

- · Acrylic adhesive won't dry out
- Single-ply polypropylene backing
- Tears easily by hand
- UL-listed and marked UL-181B-FX

Part No.	Description	Size
011371	Black	2" x 120 yards
011372	Silver	2" x 120 yards

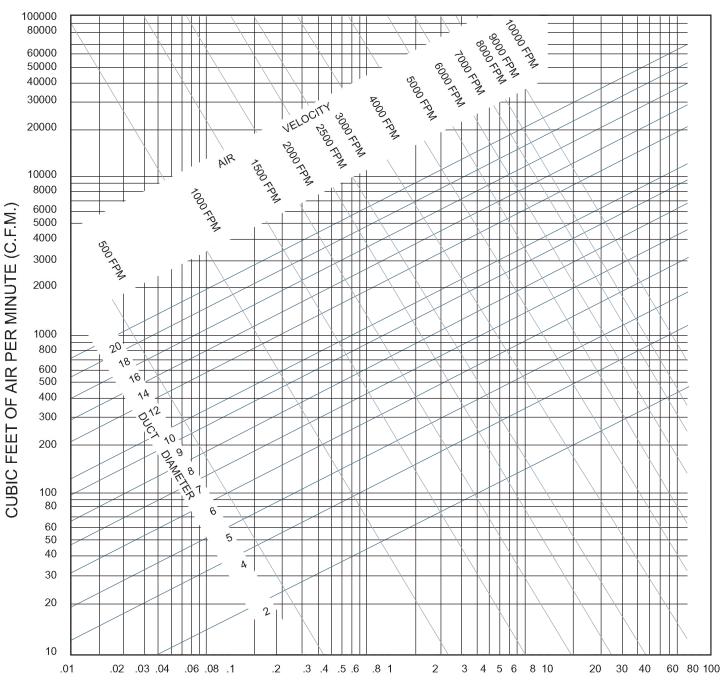
SMART Flow Elbow

- One size fits 4" to 16" flex duct.
- Eliminates flex duct kinks and restrictions
- Can be used for new and retrofit applications
- UL-2043 Classified

Part No.	Description	Pieces per Case
630500	SMART Flow Elbow	25
636501	SMART Flow Elbow Kit Each kit includes 2 Flow Elbows and 4 36" duct straps	12 kits



Air Friction Chart for Flexible Duct only



FRICTION LOSS IN INCHES OF WATER PER 100 FEET OF DUCT



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