



INDUSTRIAL & COMMERCIAL Product Catalog

smiths

HI-TECH
DURAVENT
Flexible Hose & Ducting

ABOUT Hi-Tech Duravent

Hi-Tech Duravent has been established as the largest hose & ducting manufacturer in the industry based on technology, utilization of advanced raw materials and a problem solving approach to the marketplace. While product development has been an integral part of our 50-year history, the key to our success is unparalleled service to our customers.

Our vast array of resources, from sister companies to worldwide locations, has allowed us to continually expand our product line and utilize the most sophisticated research and design methods in the business. Today we offer the most comprehensive product line of flexible ductwork in the world.

Many engineered polymers are being used today where steel and more restrictive materials were once used. By using these engineered polymers, we can offer some of the most advanced products in our industry.

APPLICATION Icons

As you read through this catalog, keep an eye out for the following application icons. From chemical plants to woodworking shops, street sweeping to furnace cleaning, they'll let you know what features you'll find in each hose, making sure you make the right choice for your specific use.



CHEMICAL-RESISTANT



STATIC-DISSIPATIVE



MOISTURE-RESISTANT



SELF-EXTINGUISHING



UV/OZONE-RESISTANT



HI-TEMPERATURE



ABRASION-RESISTANT



OIL-RESISTANT



PUNCTURE-RESISTANT



DRAG-RESISTANT



FUME REMOVAL



UL LISTED



**MEETS FDA REQUIREMENTS/FOOD
SAFE AND/OR FDA MATERIALS
ARE AVAILABLE UPON REQUEST**

FREQUENTLY ASKED QUESTIONS

WHAT SEPARATES HI-TECH DURAVENT FROM OTHER MANUFACTURERS?

Hi-Tech Duravent maintains a large inventory of the most common hose sizes in order to serve our customer base promptly. In most cases, we will ship product the same day the order is received.

WHAT DIAMETERS AND LENGTHS DOES HI-TECH DURAVENT OFFER?

Hi-Tech Duravent manufactures diameters that start at 0.75" and go as large as 36" diameter. Standard lengths are 25 and 50 feet long.

WHAT IS THE MOST CHEMICAL RESISTANT FLEXIBLE HOSE THAT HI-TECH DURAVENT CARRIES?

We have many types of hose that handle various chemical fumes. Our most versatile hose in regards to chemical fumes is RFH or RFH Plus.

WHAT IS HI-TECH DURAVENT'S MOST ABRASIVE RESISTANT FLEXIBLE HOSE?

Hi-Tech Duravent has a line of urethane hoses (UFD family), to handle abrasive applications.

CUSTOM PRODUCTS

Because of our unique manufacturing processes, Hi-Tech Duravent is able to customize a hose to suit your application needs. Whether you need to color code RFH with a color stripe for specific applications throughout a factory, or match a hose color to a piece of equipment, Hi-Tech Duravent can help. We specialize in hose and ducting solutions. We offer special lengths, non-standard and metric sizes, special colors and end finishes. Please consult us on specifications, minimums and pricing.

CORE Products

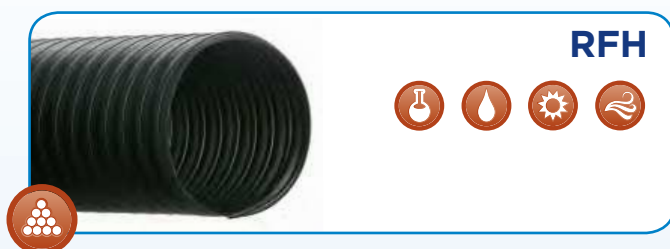
As the leading hose and ducting manufacturer in the industry, Hi-Tech Duravent knows that customer satisfaction is the cornerstone of our company. To help ensure customer satisfaction, we've created the following selection of Core Products. Within our core product selection, you'll find a wide array of hoses to meet almost all of your ducting needs, from the popular RFH series to the newly added Vac-U-Flex® TPU and TPE hoses. All Core Products are guaranteed in stock ready to ship.

We also have a low net minimum order requirement of \$100.00 to better accommodate the smaller orders you may need. If you require a hose that is not included in the core product offering, please call customer service and they will be happy to assist you with pricing and minimums that may apply.



THROUGHOUT THIS CATALOG, THIS ICON SERVES AS A QUICK REMINDER OF ALL THE GREAT HI-TECH DURAVENT CORE PRODUCTS - ALWAYS IN STOCK AND READY TO SHIP.

| PRODUCT | LENGTHS | DIAMETERS |
|-------------------|-----------|----------------------------------------------------------------------------------------------------------------------|
| RFH | 25' | 1.25", 1.5", 1.75", 2", 2.25", 2.5", 3", 3.5", 4", 4.5", 5", 5.5", 6", 7", 8", 9", 10", 12", 14", 16", 18", 20", 24" |
| | 50' | 1.25", 1.5", 1.75", 2", 2.25", 2.5", 3", 3.5", 4", 4.5", 5", 5.5", 6", 7", 8", 9", 10", 12", 14", 16" |
| RFH-Plus | 25' & 50' | 2", 3", 4", 5", 6", 7", 8", 10", 12" |
| RFH-W | 25' & 50' | 2", 3", 4", 5", 6", 8", 10", 12" |
| UFD Clear | 25' & 50' | 3", 4", 5", 6", 8", 10", 12" |
| UFD.045 Clear | 25' & 50' | 4", 5", 6", 8" |
| CVD Clear | 25' & 50' | 3", 4", 5", 6", 8", 10" |
| Flex-Flyte® L-1 | 12' & 25' | 2", 2.5", 3", 4", 5", 6", 8" |
| Flex-Flyte® L-9 | 12' & 25' | 2", 2.5", 3", 4", 5", 6", 7", 8", 10", 12" |
| Super Vac-U-Flex® | 25' | 3", 4" |
| | 50' | 1.25", 1.5", 2", 2.5" |
| 2PN | 25' | 2", 3", 4", 5", 6", 8", 10", 12" |
| Vac-U-Flex® TPU | 25' | .75", 1", 1.25", 1.5", 2", 2.5", 3", 3.5", 4", 5", 6" |
| Vac-U-Flex® TPE | 25' | .75", 1", 1.25", 1.5", 1.75", 2", 2.5", 3", 4", 5", 6" |
| SDH | 25' & 50' | 1.5", 1.75", 2", 2.5", 3", 4" |
| HTR | 25' & 50' | 1.5", 2", 2.5", 3", 4" |



RFH

TEMPERATURE RANGE: -60° F to 275° F
(intermittent to 300° F)

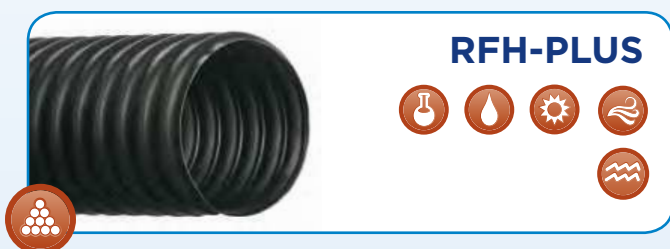
CONSTRUCTION: Thermoplastic rubber reinforced with a wire helix

STANDARD COLOR: Black

STANDARD LENGTHS: 25' & 50'

SIZE RANGE: 25' length: 1.25", 1.5", 1.75", 2", 2.25", 2.5", 3", 3.5", 4", 4.5", 5", 5.5", 6", 7", 8", 9", 10", 12", 14", 16", 18", 20", 24"

50' length: 1.25", 1.5", 1.75", 2", 2.25", 2.5", 3", 3.5", 4", 4.5", 5", 5.5", 6", 7", 8", 9", 10", 12", 14", 16"



RFH-PLUS

TEMPERATURE RANGE: -60° F to 275° F
(intermittent to 325° F)

CONSTRUCTION: Thermoplastic rubber coated polyester fabric reinforced with wire helix

STANDARD COLOR: Black

STANDARD LENGTHS: 25' & 50'

SIZE RANGE: 2", 3", 4", 5", 6", 7", 8", 10", 12"



RFH-W

TEMPERATURE RANGE: -60° F to 275° F
(intermittent to 300° F)

CONSTRUCTION: Thermoplastic rubber reinforced with a wire helix and an external polypropylene wearstrip

STANDARD COLOR: Black with orange wearstrip

STANDARD LENGTHS: 25' & 50'

SIZE RANGE: 2", 3", 4", 5", 6", 8", 10", 12"



UFD

TEMPERATURE RANGE: -65° F to 200° F

CONSTRUCTION: Polyurethane reinforced with a wire helix

STANDARD COLOR: Clear

STANDARD LENGTHS: 25' & 50'

SIZE RANGE: 3", 4", 5", 6", 8", 10", 12"



UFD.045

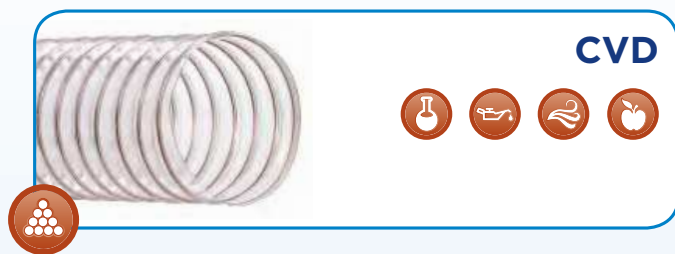
TEMPERATURE RANGE: -65° F to 200° F

CONSTRUCTION: Heavy walled polyurethane reinforced with a wire helix

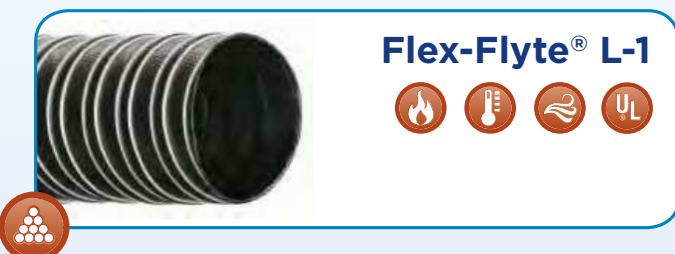
STANDARD COLOR: Clear

STANDARD LENGTHS: 25' & 50'

SIZE RANGE: 4", 5", 6", 8"



TEMPERATURE RANGE: -20° F to 180° F
CONSTRUCTION: PVC reinforced with a wire helix
STANDARD COLOR: Clear
STANDARD LENGTHS: 25' & 50'
SIZE RANGE: 3", 4", 5", 6", 8", 10"



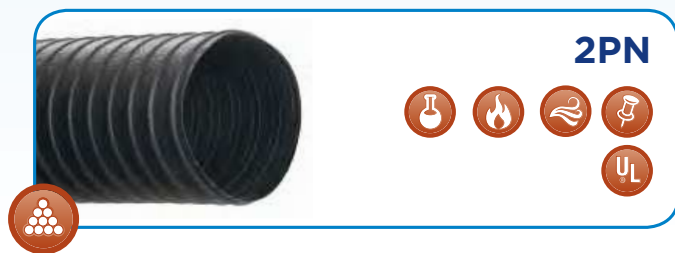
TEMPERATURE RANGE: -65° F to 300° F
CONSTRUCTION: Two-ply neoprene coated fiberglass
STANDARD COLOR: Black
STANDARD LENGTHS: 12' & 25'
SIZE RANGE: 2", 2.5", 3", 4", 5", 6", 8"



TEMPERATURE RANGE: -75° F to 500° F
 (intermittent to 600° F)
CONSTRUCTION: Two-ply silicone coated fiberglass hose with a helically wound spring steel wire embedded between the two plies
STANDARD COLOR: Red
STANDARD LENGTHS: 12' & 25'
SIZE RANGE: 2", 2.5", 3", 4", 5", 6", 7", 8", 10", 12"



TEMPERATURE RANGE: -20° F to 150° F
CONSTRUCTION: High strength fiber reinforced PVC hose cover bonded to coated spring steel wire
STANDARD COLOR: Grey
STANDARD LENGTHS: 25' & 50'
SIZE RANGE: 25' length: 3", 4"
 50' length: 1.25", 1.5", 2", 2.5"



TEMPERATURE RANGE: -40° F to 250° F
CONSTRUCTION: Two-ply polyester-neoprene coated reinforced with wire helix
STANDARD COLOR: Black
STANDARD LENGTHS: 25'
SIZE RANGE: 2", 3", 4", 5", 6", 8", 10", 12"



Vac-U-Flex® TPU



TEMPERATURE RANGE: -40° F to 200° F

CONSTRUCTION: Flexible, smooth interior 100% clear two-ply polyurethane material; coated spring steel helix encapsulated and bonded to hose jacket

STANDARD COLOR: Clear

STANDARD LENGTHS: 25'

SIZE RANGE: .75", 1", 1.25", 1.5", 2", 2.5", 3", 3.5", 4", 5", 6"



Vac-U-Flex® TPE



TEMPERATURE RANGE: -40° F to 250° F

CONSTRUCTION: Industrial weight, specially formulated two-ply thermoplastic elastomer material; coated spring steel helix encapsulated & bonded to hose jacket

STANDARD COLOR: Black

STANDARD LENGTHS: 25'

SIZE RANGE: .75", 1", 1.25", 1.5", 1.75", 2", 2.5", 3", 4", 5", 6"



SDH



TEMPERATURE RANGE: -20° F to 180° F

CONSTRUCTION: Specially formulated polyurethane reinforced with a plastic helix and copper grounding wire

STANDARD COLOR: Clear with opaque helix

STANDARD LENGTHS: 25' & 50'

SIZE RANGE: 1.5", 1.75", 2", 2.5", 3", 4"



HTR



TEMPERATURE RANGE: -40° F to 225° F

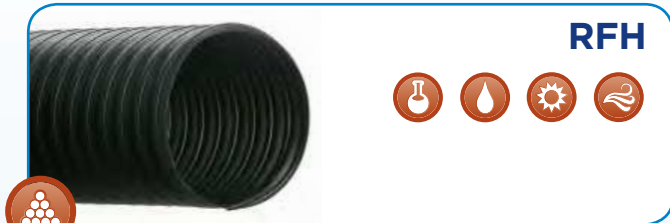
CONSTRUCTION: Polypropylene reinforced with a polypropylene rod helix

STANDARD COLOR: Black

STANDARD LENGTHS: 25' & 50'

SIZE RANGE: 1.5", 2", 2.5", 3", 4"

RFH Series Hoses



RFH

TEMPERATURE RANGE: -60° F to 275° F
(intermittent to 300° F)

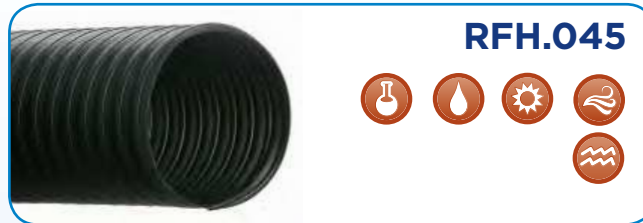
CONSTRUCTION: Thermoplastic rubber reinforced with a wire helix

STANDARD COLOR: Black

STANDARD LENGTHS: 25', 50'

SIZE RANGE: 1-1/4" to 24" (18"-24" only available in 25' length)

- No cements, glues, or adhesives are used in the manufacturing process
- Can handle applications with a wide temperature range
- Superior chemical resistance
- RFH-FR (flame retardant) version available, consult us on minimums
- Good abrasion resistance
- UV/ozone resistant
- Available in metric diameter, other colors, and with cuffed ends



RFH.045

TEMPERATURE RANGE: -60° F to 275° F
(intermittent to 300° F)

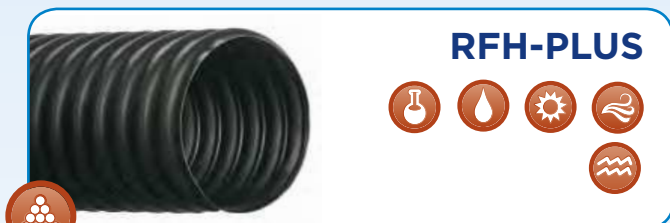
CONSTRUCTION: Thermoplastic rubber reinforced with a wire helix

STANDARD COLOR: Black

STANDARD LENGTHS: 25', 50'

SIZE RANGE: 4", 6", 8", 10", 12"

- All of the features of RFH with a heavier/thicker wall
- Better abrasion and tear resistance
- Higher pressure capabilities at elevated temperatures
- Capable of handling more severe abrasion
- Available with cuffed end finishes
- Available in other sizes and with a wearstrip
- Consult us on minimums



RFH-PLUS

TEMPERATURE RANGE: -60° F to 275° F
(intermittent to 325° F)

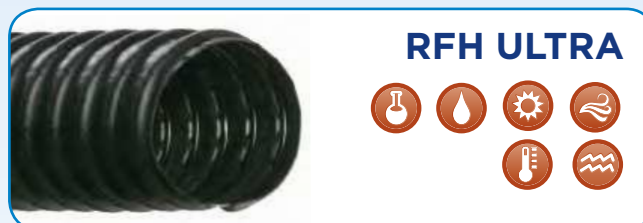
CONSTRUCTION: Thermoplastic rubber coated polyester fabric reinforced with wire helix

STANDARD COLOR: Black

STANDARD LENGTHS: 25', 50'

SIZE RANGE: 2" to 12"

- Most versatile general purpose hose available today
- No cements, glues, or adhesives are used in the manufacturing process
- Can handle applications with a wide temperature range
- Superior chemical resistance
- Good abrasion resistance
- Available with cuffed end finishes
- Improved puncture, moisture, and tear resistance
- Higher temperature range than neoprene/fabric hoses



RFH ULTRA

TEMPERATURE RANGE: -60° F to 275° F

CONSTRUCTION: Thermoplastic rubber with coated steel wire helix

STANDARD COLOR: Black

STANDARD LENGTHS: 50'

SIZE RANGE: 1-1/2", 1-3/4", 2", 2-1/2", 3", 4"

- Super flexible black vacuum hose reinforced with yarn
- Smooth interior
- Low pressure resistance
- UV, moisture, and weather resistance
- Excellent flex fatigue resistance
- Excellent chemical resistance
- Good abrasion resistance
- Complies with UL94-HB flame standard
- Screw cuffs available on select sizes
- Consult us on minimums



RFH-White



TEMPERATURE RANGE: -60° F to 275° F
(intermittent to 300° F)

CONSTRUCTION: White thermoplastic rubber reinforced with a wire helix

STANDARD COLOR: White

STANDARD LENGTHS: 25', 50'

SIZE RANGE: 2" to 12"

- All of the features of standard RFH
- Materials used meet FDA requirements/food safe
- Superior chemical-resistance
- No cements or glues are used in the manufacturing process
- Consult us on minimums



RFH-W



TEMPERATURE RANGE: -60° F to 275° F
(intermittent to 300° F)

CONSTRUCTION: Thermoplastic rubber reinforced with a wire helix and an external polypropylene wearstrip

STANDARD COLOR: Black with orange wearstrip

STANDARD LENGTHS: 25', 50'

SIZE RANGE: 2" to 12"

- Great abrasion resistance
- Ideal for applications where dragging is involved
- The wearstrip helps prevent premature wear-through
- RFH-W wearstrip is molecularly bonded to the hose wall so it will not delaminate
- Available in a heavier wall, consult us on sizes
- Available with cuffed end finishes
- Other wearstrip colors also available
- Available in other sizes
- Consult us on minimums



RFH-W.045



TEMPERATURE RANGE: -60° F to 275° F
(intermittent to 300° F)

CONSTRUCTION: Heavy-walled thermoplastic rubber reinforced with a wire helix and an external polypropylene wearstrip

STANDARD COLOR: Black with orange wearstrip

STANDARD LENGTHS: 10' (Seasonal)

SIZE RANGE: 2" to 12"

- Great abrasion-resistance
- Ideal for applications where dragging is involved
- The wearstrip helps prevent premature wear-through
- RFH-W wearstrip is molecularly bonded to the hose wall so it will not delaminate
- Available with cuffed end finishes
- Other wearstrip colors available, consult us on minimums



UFD Series Hoses



UFD

TEMPERATURE RANGE: -65° F to 200° F

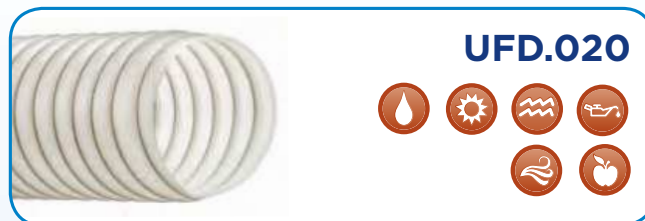
CONSTRUCTION: Polyurethane reinforced with a wire helix

STANDARD COLOR: Clear or Black

STANDARD LENGTHS: 25', 50'

SIZE RANGE: 2" to 18"

- Superior abrasion resistance
- Excellent flex fatigue resistance
- Clear version allows users to locate blockages
- Handles higher pressure and vacuums than standard ducting
- FDA materials are available upon request
- Available with cuffed end finishes
- Available in metric diameters, consult us on minimums



UFD.020

TEMPERATURE RANGE: -65° F to 200° F

CONSTRUCTION: Polyurethane reinforced with a wire helix

STANDARD COLOR: Clear

STANDARD LENGTHS: 25', 50'

SIZE RANGE: 2" to 12"

- Lightweight alternative to UFD
- Excellent flexibility
- Transparency of UFD.020-Clear allows users to locate blockages
- FDA materials are available upon request
- Ideal for oil mist applications
- Available with cuffed end finishes



UFD.045

TEMPERATURE RANGE: -65° F to 200° F

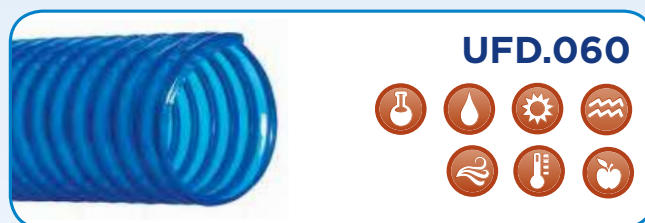
CONSTRUCTION: Heavy walled polyurethane reinforced with a wire helix

STANDARD COLOR: Clear

STANDARD LENGTHS: 25', 50'

SIZE RANGE: 2" to 18"

- Superior abrasion resistance
- The color of the hose allows for the user to locate blockages
- Excellent for leaf and lawn collection and other severe service applications
- FDA materials are available upon request
- Available with cuffed end finishes
- Available in 10' lengths during leaf collection season



UFD.060

TEMPERATURE RANGE: -65° F to 200° F

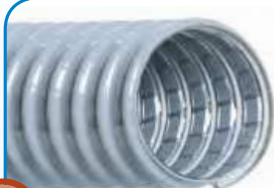
CONSTRUCTION: Heavier wall polyurethane reinforced with a wire helix

STANDARD COLOR: Blue

STANDARD LENGTHS: 25', 50'

SIZE RANGE: 2-1/2" to 18"

- Superior abrasion resistance
- Transparency of UFD.060 allows users to locate blockages
- Excellent for leaf and lawn collection, street sweepers and other severe service applications
- Available in 10' lengths during leaf collection season
- Available in clear, consult us on minimums
- FDA materials are available upon request in clear



Super Vac-U-Flex®



TEMPERATURE RANGE: -20° F to 150° F

CONSTRUCTION: High strength fiber reinforced PVC hose cover bonded to coated spring steel wire

STANDARD COLOR: Grey

STANDARD LENGTHS: 25' (3" and 4"), 50' (1-1/4" to 2-1/2")

SIZE RANGE: 1-1/4" to 4"

- Great for industrial and commercial vacuum cleaners and ventilating or cooling industrial machinery
- Ideal for bilge pumps and bilge ventilation
- Flexibility for easy handling and installation
- Other colors and lengths available, consult us on minimums
- Available with PVC screw-on cuff, see page 20
- CMD is available in 3/4" and 1"



Vac-U-Flex® TPE



TEMPERATURE RANGE: -40° F to 250° F

CONSTRUCTION: Industrial weight, specially formulated two-ply thermoplastic elastomer material; coated spring steel helix encapsulated & bonded to hose jacket

STANDARD COLOR: Black

STANDARD LENGTHS: 25'

SIZE RANGE: 3/4" to 6"

- Offers great flexibility and smooth interior
- Rubber-like characteristics
- Exceptional toughness
- Resistant to most acids, alkalies, and solvents
- Pitch, wall thickness, and length variations available, consult us on minimums



Vac-U-Flex® TPU



TEMPERATURE RANGE: -40° F to 200° F

CONSTRUCTION: Flexible, smooth interior 100% clear two-ply polyurethane material; coated spring steel helix encapsulated and bonded to hose jacket

STANDARD COLOR: Clear

STANDARD LENGTHS: 25'

SIZE RANGE: 3/4" to 6"

- Offers high abrasion, puncture, and tear resistance
- Excellent chemical, oil, and fungus resistance
- Low temperature flexibility



Vac-U-Flex® EH-L



TEMPERATURE RANGE: -20° F to 150° F

CONSTRUCTION: Light duty PVC film with external polymer helix

STANDARD COLOR: Clear with black helix

STANDARD LENGTHS: 25'

SIZE RANGE: 3/4" to 4"

- Great flexibility and good abrasion resistance
- Provides a smooth interior for easy flow
- Handles tight bends without kinking
- Excellent for both positive and negative pressure applications
- For larger diameters 4" to 8" see CVD-AP page 18

FLEX-FLYTE® Hoses



Flex-Flyte® L-1



TEMPERATURE RANGE: -65° F to 300° F

CONSTRUCTION: Two-ply neoprene coated fiberglass

STANDARD COLOR: Black

STANDARD LENGTHS: 12' (3/4" in 10')

SIZE RANGE: 3/4" to 12"

- Lightweight and flexible
- Flame retardant - UL94V-0 listed
- Great for low-pressure applications
- Handles fumes at low pressures and moderately high temperatures
- Not recommended for continuous flexing, liquids, or abrasives
- Available as U-1 (one-ply) for lower pressure applications
- Non-standard lengths and cuffs available, consult us on minimums



Flex-Flyte® L-9



TEMPERATURE RANGE: -75° F to 500° F
(intermittent to 600° F)

CONSTRUCTION: Two-ply silicone coated fiberglass hose with a helically wound spring steel wire embedded between the two plies

STANDARD COLOR: Red

STANDARD LENGTHS: 12' (3/4" in 10')

SIZE RANGE: 3/4" to 12"

- UV and weather-resistant
- Lightweight, easy to install, and non-kinking
- Great for handling air, dust, fumes, and light powder
- Standard duct for high-temperature air flow and fume removal
- Internal ply provides a smooth interior for maximum air flow and minimum friction loss
- Not recommended for liquids or abrasive materials
- Non-standard lengths and cuffs available, consult us on minimums
- Available as U9 (1-ply) for lower pressure requirements



Flex-Flyte® LR-1



TEMPERATURE RANGE: -65° F to 300° F

CONSTRUCTION: Two-ply neoprene coated fiberglass with a neoprene liner

STANDARD COLOR: Black

STANDARD LENGTHS: 12' (3/4" in 10')

SIZE RANGE: 3/4" to 12"

- Smooth interior provides maximum air flow and minimizes friction loss
- Tough interior is great for handling small particles
- Good abrasion resistance for light material handling
- Non-standard lengths and cuffs available, consult us on minimums



Flex-Flyte® "R"



TEMPERATURE RANGE: -60° F to 300° F

CONSTRUCTION: Two-ply neoprene coated fiberglass

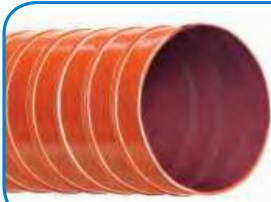
STANDARD COLOR: Black

STANDARD LENGTHS: 12'

SIZE RANGE: 1" to 12"

- Smooth interior provides maximum air flow with minimal friction loss
- Does not kink in sharp bends
- Rugged fiberglass base

FLEX-FLYTE® Hoses



Flex-Flyte® TFE-S



TEMPERATURE RANGE: -75° F to 400° F

CONSTRUCTION: Two-ply silicone coated fiberglass with polytetrafluoroethylene liner

STANDARD COLOR: Red

STANDARD LENGTHS: 12' (1/2" ID, 6' length; 3/4" ID, 10' length)

SIZE RANGE: 1/2" to 12"

- Excellent chemical-resistance and flow characteristics
- Chemical-resistant liner
- Also available as TFE-N (Neoprene coated fiberglass with polytetrafluoroethylene liner with temp. range -75° F to 300° F)



Flex-Flyte® VF



TEMPERATURE RANGE: -20° F to 200° F

CONSTRUCTION: One-ply flame-retardant vinyl-coated fiberglass

STANDARD COLOR: Grey

STANDARD LENGTHS: 25'

SIZE RANGE: 2" to 14"

- Ideal for transfer of low-volume cool and warm air
- Flame retardant - UL94V-O listed
- Excellent flexibility
- Great for ventilation of photo reproduction machines and fine dust collection systems

SPECIAL FLEX Hoses



FlexFast® Couplings



TEMPERATURE RANGE: -20° F to 225° F (Neoprene), -75° F to 500° F (Silicone)

CONSTRUCTION: Neoprene-coated nylon or silicone-coated polyester

STANDARD COLOR: Black (Neoprene), Red (Silicone)

STANDARD LENGTHS: 7"

SIZE RANGE: 2-3/8" to 12-3/4" (2" to 12" pipe sizes)

- Each convolution is reinforced inside and outside by a stainless steel ring
- Clamp available for couplings
- Class "B" military coupling available



STA-FLEX



TEMPERATURE RANGE: -20° F to 200° F

CONSTRUCTION: Polyolefin wall and helix

STANDARD COLOR: Natural, semi-translucent wall with black helix

STANDARD LENGTHS: 11' compressed (1.5"), 15' compressed (2"-4")

SIZE RANGE: 1-1/2", 2", 2-1/2", 3", 4"

- "Shape-able," all plastic hose ideal for directed low pressure air input or output
- Superior fatigue resistance
- Excellent chemical resistance
- Excellent abrasion resistance

MAX-FLYTE® Hoses



1PN-EP-HM



TEMPERATURE RANGE: -40° F to 250° F

CONSTRUCTION: One-ply polyester neoprene coated expanded pitch with encapsulated wire helix and extruded polymer wearstrip

STANDARD COLOR: Yellow hose with black wearstrip

STANDARD LENGTHS: 25'

SIZE RANGE: 4" to 24"

- Heaviest duty of Max-Flyte series
- Flame retardant to UL94V-0 rating
- Non-standard sizes and lengths available, consult us on minimums
- Optional ends and colors available



1PV-EP-HM



TEMPERATURE RANGE: -20° F to 180° F
(intermittent to 225° F)

CONSTRUCTION: One-ply polyester vinyl laminate expanded pitch with encapsulated wire helix and extruded polymer wearstrip

STANDARD COLOR: Yellow hose with black wearstrip

STANDARD LENGTHS: 25'

SIZE RANGE: 4" to 24"

- Lightweight
- Highly compressible for positive pressure movement for air, dust, and fumes at lower temperature ranges
- Flame retardant to UL94V-0 rating
- Non-standard sizes and lengths available, consult us on minimums
- Optional ends and colors available



Therma-Cool PN



TEMPERATURE RANGE: -40° F to 250° F

CONSTRUCTION: Two-ply polyester neoprene with foam insulating material and extruded polymer wearstrip

STANDARD COLOR: Yellow hose with black wearstrip

STANDARD LENGTHS: 25'

SIZE RANGE: 4" to 24"

- Insulated hose for temporary transfer of heated or cooled air for climate conditioning
- Flame retardant to UL94V-0 rating
- Non-standard ID's and lengths available, consult us on minimums
- Cuffed ends available
- Optional colors available



Therma-Cool PV



TEMPERATURE RANGE: -20° F to 180° F

CONSTRUCTION: Two-ply polyester vinyl laminate with foam insulating material and extruded polymer wearstrip

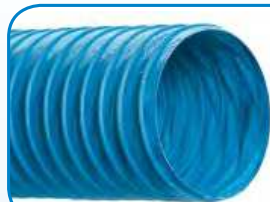
STANDARD COLOR: Yellow hose with black wearstrip

STANDARD LENGTHS: 25'

SIZE RANGE: 4" to 24"

- Insulated hose for the temporary transfer of heated or cooled air for climate conditioning
- Flame retardant to UL94V-0 rating
- Non-standard ID's and lengths available, consult us on minimums
- Cuffed ends available
- Optional colors available

FABRIC REINFORCED Hoses



2CN



TEMPERATURE RANGE: -40° F to 250° F

CONSTRUCTION: Two-ply cotton-neoprene coated reinforced with wire helix

STANDARD COLOR: Blue

STANDARD LENGTHS: 25'

SIZE RANGE: 2" to 24"

- Cost effective hose for dust or fumes under low positive or negative pressure
- Excellent tensile strength and crush-resistance
- Non-flame retardant product
- Available in 1" and 1-1/2", consult us on minimums
- Available as 1CN (1-ply), consult us on minimums



2PN



TEMPERATURE RANGE: -40° F to 250° F

CONSTRUCTION: Two-ply polyester-neoprene coated reinforced with wire helix

STANDARD COLOR: Black

STANDARD LENGTHS: 25'

SIZE RANGE: 2" to 24"

- Longer life for positive or negative pressure movement of light particles or materials
- Flame retardant - UL94V-0 listed
- Conductive compound available for static discharge applications, consult us on minimums
- Non-metallic helix available for non-conductive use
- Available in 1" and 1-1/2", consult us on minimums
- Available as 1PN (1-ply), consult us on minimums



PA-EX



TEMPERATURE RANGE: -40° F to 325° F

CONSTRUCTION: Two-ply polyester acrylic urethane blend coating (with a wire helix)

STANDARD COLOR: Black

STANDARD LENGTHS: 25'

SIZE RANGE: 2" to 24"

- Industry standard for hot air, dust, and fumes where temperature would exceed normal rubber hose limits
- Ideal for light material handling
- Wearstrip available for external abrasion resistance
- Flame retardant to UL94V-0 rating
- Available in blower hose expanded pitch series (1PA-EPW), consult us on minimums



TD-S/TD-HS



TEMPERATURE RANGE: -40° F to 180° F

CONSTRUCTION: One/Two-ply vinyl laminate polyester fabric cover with enclosed spring steel wire & heavy duty extruded wearstrip

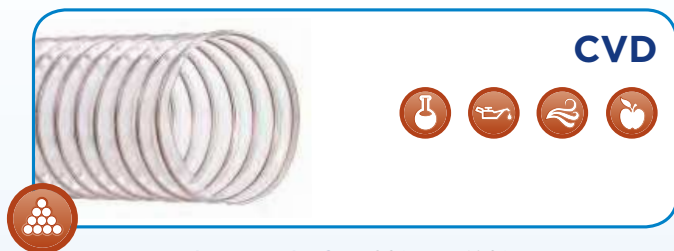
STANDARD COLOR: Black with orange wearstrip

STANDARD LENGTHS: 25'

SIZE RANGE: 3" to 12"

- Excellent flexibility
- Flame retardant - UL94V-0 listed
- Ideal where dragging is involved
- Odd-sized diameters and custom lengths available upon request, consult us on minimums
- Custom color wearstrip available, consult us on minimums

PVC FLEX Series Hoses



CVD

TEMPERATURE RANGE: -20° F to 180° F

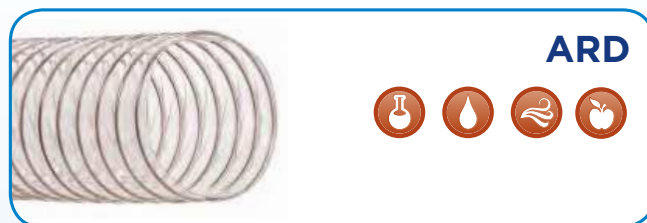
CONSTRUCTION: PVC reinforced with a wire helix

STANDARD COLOR: Clear

STANDARD LENGTHS: 25', 50'

SIZE RANGE: 1" to 18"

- Economical alternative to most ducts and sacrifices nothing in performance
- Great flexibility with tight bending characteristics
- Ideal for fume removal, dust collection, and ventilation applications
- FDA materials are available upon request
- Available in metric diameters
- CVD.020 and CVD.045 also available, consult us on minimums



ARD

TEMPERATURE RANGE: -20° F to 180° F

CONSTRUCTION: Clear PVC wall reinforced with a spring wire helix

STANDARD COLOR: Clear

STANDARD LENGTHS: 25', 50'

SIZE RANGE: 6" to 18"

- Economical choice for moving large volumes of air
- Highly retractable, very flexible and sturdy
- Can be used in low vacuum applications on dust cleaning equipment
- FDA materials are available upon request
- Other colors available



SLP-10

TEMPERATURE RANGE: 0° F to 250° F

CONSTRUCTION: One-ply flame retardant vinyl-coated woven fiberglass cover permanently bonded to a PVC-coated spring steel wire helix

STANDARD COLOR: Grey

STANDARD LENGTHS: 25'

SIZE RANGE: 2" to 14"

- Meets UL 181 class flammability rating
- Great for ventilation of dry cleaning equipment, air intake, and exhaust ducts
- Ideal for low volume air transfer
- Excellent compressibility and flexibility
- Must be purchased in box quantities

DUST-FLEX Hoses



Dust-Flex PVC

TEMPERATURE RANGE: -20° F to 165° F
(Intermittent to 180° F)

CONSTRUCTION: All clear construction PVC reinforced with a wire helix

STANDARD COLOR: Clear with black wire helix

STANDARD LENGTHS: 10'

SIZE RANGE: 2-1/2" and 4"

- Clear and economical choice for dust and fumes
- Extremely flexible with a 3:1 compression ratio
- Clear color allows you to notice material blockages
- Ideal for sawdust collection and fume ventilation in woodworking applications
- Available in smoke grey two-ply thermoplastic polyurethane material with wire helix; Temperature range -40°F to 200°F
- Available in black 100% polypropylene with coated wire helix; Temperature range -40°F to 140°F

STATIC DISSIPATIVE Hoses



SDH

TEMPERATURE RANGE: -20° F to 180° F

CONSTRUCTION: Specially formulated polyurethane reinforced with a plastic helix and copper grounding wire

STANDARD COLOR: Clear with opaque helix

STANDARD LENGTHS: 25', 50'

SIZE RANGE: 3/4", 1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/2", 3", 4" (*without static wire)

- Smooth interior
- Possesses inherent static dissipation
- FDA materials are available upon request
- Free of fillers, halogens, and surface oils
- Excellent flexibility, abrasion resistance, and clarity
- Ideal for clean rooms, powder, and plastic pellet transfer
- Available with PVC screw-on cuff, see page 20
- Surface resistivity $10^8 - 10^{10}$ ohms/sq



UFD-SD

TEMPERATURE RANGE: -20° F to 200° F

CONSTRUCTION: Specially formulated polyurethane reinforced with a wire helix

STANDARD COLOR: Clear

STANDARD LENGTHS: 25', 50'

SIZE RANGE: 2" to 12"

- Excellent flexibility, abrasion resistance, and clarity
- Possesses inherent static dissipation
- Free of fillers, halogens, and surface oils
- Surface resistivity $10^8 - 10^{10}$ ohms/sq
- Ideal for clean rooms, grain dust collection, powder, and flour handling
- FDA materials are available upon request
- Cuffed ends available

HEATER DEFROSTER Hoses



Duraflex "D"

TEMPERATURE RANGE: -40° F to 250° F

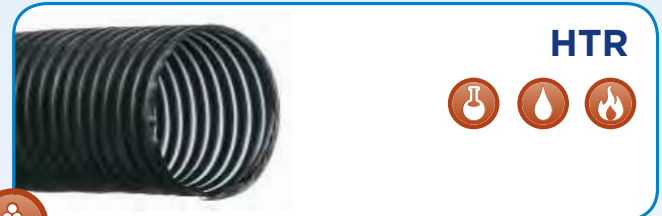
CONSTRUCTION: Thermoplastic elastomer reinforced with a wire helix

STANDARD COLOR: Black

STANDARD LENGTHS: 50'

SIZE RANGE: 1-1/2", 2", 2-1/2", 3", 4"

- Offers unmatched flexibility and durability in a lightweight product
- Designed for low pressure exhaust and recovery applications, and defroster applications
- Meets FMVSS 302 flame standards



HTR

TEMPERATURE RANGE: -40° F to 225° F

CONSTRUCTION: Polypropylene reinforced with a polypropylene rod helix

STANDARD COLOR: Black

STANDARD LENGTHS: 25', 50'

SIZE RANGE: 1" to 8"

- Economical
- Excellent compressibility
- Crush resistant
- Lightweight, very flexible, and good flex fatigue resistance
- Meets FMVSS 302 flame standards
- Great choice for heater/defroster hose, air conditioning, and ventilation

ALL PLASTIC Hoses



ARH



TEMPERATURE RANGE: -60° F to 275° F
(intermittent to 300° F)

CONSTRUCTION: Thermoplastic rubber with an external polypropylene wearstrip

STANDARD COLOR: Black with grey helix

STANDARD LENGTHS: 25', 50'

SIZE RANGE: 3/4" to 10"

- Smooth interior for easy flow
- Excellent crush resistance
- External helix allows for rough use in applications where the hose will be dragged
- Supplemental helix available
- Ideal for dust collection, fume exhaust, and conduit applications
- ARH is available in white, consult us on minimums
- Materials used in ARH-White are FDA acceptable



UFD-AP



TEMPERATURE RANGE: -40° F to 200° F

CONSTRUCTION: All polyurethane hose reinforced with an ABS helix

STANDARD COLOR: Clear with a safety yellow helix

STANDARD LENGTHS: 25', 50'

SIZE RANGE: 1-1/2" to 8"

- Smooth interior
- Lightweight and highly flexible
- Suitable replacement for thicker walled EPDM hoses
- The clarity of the hose allows the user to check for blockages
- Helix provides added durability in applications where the hose is being dragged
- Great for dust collection, leaf and woodchip collection, or transferring stones, pellets, and scrap
- FDA materials are available upon request
- Supplemental helix available



CVD-AP



TEMPERATURE RANGE: 10° F to 160° F

CONSTRUCTION: Clear PVC reinforced with a rigid PVC helix

STANDARD COLOR: Clear with black helix

STANDARD LENGTHS: 25', 50'

SIZE RANGE: 4" to 8"

- Economical
- Smooth interior to minimize friction loss
- Crush resistant
- Helix provides added durability where the hose is being dragged
- Lightweight, durable, and great bending characteristics
- Ideal for sawdust collection, ventilation, fume removal, light duty material handling, and leaf collection
- For smaller diameters (3/4" to 4" ID), see Vac-U-Flex EH-L, see page 11
- Supplemental helix available



333



TEMPERATURE RANGE: -30° F to 130° F

CONSTRUCTION: Clear polyethylene reinforced with a polyethylene helix

STANDARD COLOR: Clear wall with opaque helix

STANDARD LENGTHS: 25', 50'

SIZE RANGE: 1" to 4"

- Crush resistant
- Clear wall allows user to detect blockages
- Great flexibility
- Excellent for insulation blowing applications
- Available with integral cuffs, consult us on minimums
- Materials used meet FDA Requirements/Food Safe

ALL PLASTIC Hoses



J-11



TEMPERATURE RANGE: -30° F to 160° F

CONSTRUCTION: All-polyethylene hose

STANDARD COLOR: Black

STANDARD LENGTHS: 25', 50'

SIZE RANGE: 3/4" to 4"

- Crush resistant
- Economical choice for low-pressure fume or ventilation applications
- Available with integral cuffs providing added strength and neater terminations
- Ideal for heater/defroster, conduit, and ventilation applications



Vac-U-Lok®



TEMPERATURE RANGE: -65° F to 140° F

CONSTRUCTION: Interlocked flexible EVA hose

STANDARD COLOR: Grey

STANDARD LENGTHS: 25' (2", 2-1/2", 3")

50' (1-1/4", 1-1/2")

SIZE RANGE: 1-1/4" to 3"

- Non-wire self-supporting construction
- Great crush resistance and durability
- Color variations available with 3,000' minimum order
- Screw-on end fitting available

TBH Hoses



TBH



TEMPERATURE RANGE: -40° F to 225° F

CONSTRUCTION: 100% polypropylene reinforced with a wire helix

STANDARD COLOR: Black

STANDARD LENGTHS: 25', 50'

SIZE RANGE: 2" to 12"

- Economical hose for dust and fumes
- Excellent tear, abrasion, and moisture resistance
- Great flex fatigue resistance
- Available in all plastic, consult us on minimums
- Available in non-standard sizes, consult us on minimums



TBH-W



TEMPERATURE RANGE: -40° F to 225° F

CONSTRUCTION: 100% polypropylene with a wire helix and a polypropylene wearstrip

STANDARD COLOR: Black with a green wearstrip

STANDARD LENGTHS: 25', 50'

SIZE RANGE: 2" to 12"

- Wearstrip provides greater wear-resistance in applications where the hose may be dragged
- Excellent tear, abrasion, moisture and drag resistance
- The wearstrip is molecularly bonded to the hose, so it will not delaminate
- Ideal for dust collection, ventilation, and leaf and lawn collection applications

ACCESSORIES



Cuffs

CONSTRUCTION: Vinyl

STANDARD COLOR: Grey color for CMD and Super Vac-U-Flex, White color for SDH

SIZE RANGE: 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3" for CMD and Super Vac-U-Flex; 1-1/4", 1-1/2", 1-3/4", 2", 3", 4" for SDH

- Cuffs available vary by product
- Other accessories and colors available, consult us on minimums



360° Swivel Cuff

- 2.5" diameter
- Swivels at 360°
- Fits most standard hoses



Cuffed Ends

- Available on many styles
- Easy clamping without wire helix interference
- Provides tight seal
- Elasticity in cuffs allows for easy installation
- 2" ID to 6" ID standard cuff width is 1.5"
- 7" ID to 12" ID standard cuff width is 2"
- Available in various cuff lengths up to 5"



Ends

ENDS FOR MAX FLYTE HOSES

SEWN CUFFS:

- Two-ply of polyester fabric sewn on the ends

STANDARD BELTED CUFFS:

- For easy attachment to portable blowers.
- The belt is sewn around the cuff to ensure quick and secure connection to most portable blowers

RING CONNECTORS:

- Sewn into the ends of the hose to keep dust end open.
- Ring connectors interlock for quick connection of utility blower hoses

ENCLOSED CLAMP CUFF:

- A stainless band clamp sewn directly into the cuff



Clamps & Duct Connectors

COUPLINGS:

- Small end couplings slide inside flex hose or large ends of fittings
- Small end couplings also connect flex hose to flex hose
- Available in sizes 3" to 24"

QUICK RELEASE CLAMPS:

- The open/close design allows for easy installation
- Features 1/2" stainless steel band
- Available in sizes: 1-1/2" to 20"

LEFT HANDED AND RIGHT HANDED BRIDGE CLAMPS:

- Stainless steel bridge clamp provides a strong seal
- The flat band clamps around the hose between the raised helix to ensure a tight leak guard at the connection
- Available in sizes 3" - 24"



Couplers

BUTTON LOCS:

- Produced from 16 gauge galvanized steel that provides an internal male/female lock mechanism
- Easily attached on site with standard worm gear clamps or banding
- Available in sizes 4" - 24"

SLIP LOC:

- Provide a quick, convenient means of coupling hose on site when banded with screw clamps
- In 304 stainless steel and reusable
- Available in sizes 4" - 18"

GROUND GROOVE COUPLER:

- Produced from 304 stainless steel and features Slip-loc/J-loc style connection
- Features grounding groove from helical wire attachment to provide positive ground transfer
- Available in sizes 4" - 18"

DUCT CONNECTORS:

- Produced in 20 gauge stainless steel
- A quick and easy way to extend any length of duct in the field with the use of bridge clamps, provides good sealing characteristics
- Available in sizes 4" - 24"

APPLICATIONS Chart

Industry

Application

Hose Type

| | | |
|------------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Air Cleaning & Purifying | Ventilation & Fresh Air Intake | CVD, RFH, Super Vac-U-Flex®, Vac-U-Flex® CMD, Vac-U-Flex® TPE |
| Automotive | Defroster Ducts, CAC Units | Duraflex "D," Flex-Flyte® "R," Flex-Flyte® L-1, Flex-Flyte® L-9, HTR |
| Carpet & Car Wash | Vacuum Hose & Dryer Duct | RFH, RFH-Plus, Super Vac-U-Flex® |
| Chemical Plants | Fume Control | CVD, FlexFast Couplings (Neoprene), FlexFast Couplings (Silicone), Flex-Flyte® "R," Flex-Flyte® LR-1, Flex-Flyte® TFE-S, PA-EX, RFH, RFH.045, RFH-Plus, UFD, Vac-U-Flex® TPU |
| Computer Chip Manufacturing | Chemical Fume Removal | ARH, CVD, Flex-Flyte® TFE-S, RFH, Super Vac-U-Flex® |
| Conduit | Cable Covers & Protectors | ARH, J-11, Super Vac-U-Flex®, Vac-U-Flex® EH-L, Vac-U-Lok® |
| Corrugated Box Manufacturing | Dust Control | 2PN, CVD, RFH, RFH-Plus, UFD, UFD.045 |
| Duct Cleaning Services | Duct Cleaning | ARD, RFH-W, TBH, TBH-W, TD-S/TD-HS |
| Electronic Equipment | Fume Control & Cooling | CVD, Flex-Flyte® L-1, J-11, RFH, RFH-Plus, Super Vac-U-Flex®, Vac-U-Flex® TPE |
| Electroplating | Fume Control | CVD, Flex-Flyte® L-1, Flex-Flyte® L-9, RFH, UFD.020, Vac-U-Flex® TPU |
| Exhaust Systems | Carbon Monoxide Removal | 1PN-EP-HM, FlexFast Couplings (Neoprene), FlexFast Couplings (Silicone), Flex-Flyte® "R," Flex-Flyte® L-9, Flex-Flyte® LR-1, PA-EX, RFH, RFH-Plus, TBH-AP |
| Fans | Exhaust, Ventilation, Dehumidification | 1PN-EP-HM, 1PV-EP-HM, Flex-Flyte® VF, RFH, SLP-10 |
| Floor Care Equipment | Suction, Air Intake, Solution Drain | Super Vac-U-Flex®, Vac-U-Flex® TPU |
| Flour & Grain Mills | Static, Dust Collection, Product Transfer | 2PN, SDH, UFD, UFD.060, UFD-AP, UFD-SD |
| Foundries | Fume, Dust Control, Ventilation | CVD, Flex-Flyte® L-9, PA-EX, RFH, RFH.045, RFH-Plus, SDH, UFD, UFD.045, UFD.060, UFD-AP, UFD-SD |
| Furnace Cleaning | Dust Control | RFH-W, STA-FLEX, TBH-W, TD-HS, UFD, UFD.045 |
| Furniture Manufacturing | Dust & Chip Control | CVD, Super Vac-U-Flex®, UFD, UFD.045, UFD.060, Vac-U-Flex® EH-L, Vac-U-Flex® TPU |
| Ground Support | Lavatory Hose, AC & Duct Heater | 1 PN-EP-HM, 1 PV-EP-HM, Lav Hose, Therma-Cool PN, Therma-Cool PV |
| Hospitals | Fresh Air Intake & Ventilation | ARD, CVD, Flex-Flyte® VF, RFH-White, SLP-10 |
| Insulation Companies | Insulation Blowing | 333, CVD-AP |
| Lawn Mowers - Riders | Grass Collection | CVD-AP, RFH, RFH.045, RFH-Plus, RFH-W, TBH-W, UFD, UFD.020, UFD-AP, Vac-U-Flex® TPR, Vac-U-Flex® TPU |
| Leaf Collectors | Leaf Collection | CVD-AP, RFH-W, TBH-W, UFD, UFD.045, UFD.060, UFD-AP |
| Marine Industry | Bilge Ventilation, AC & Heat | Flex-Flyte® VF, RFH, RFH-Ultra, Super Vac-U-Flex®, Vac-U-Flex TPE®, Vac-U-Flex® TPU |
| Metal Fabrication | Oil Mist Collection | 2PN, RFH, Super Vac-U-Flex®, UFD.020, Vac-U-Flex® TPU |
| P.C. Board Manufacturing | Fume Control | ARH, CVD, Flex-Flyte® TFE-S, RFH, Super Vac-U-Flex® |

| Industry | Application | Hose Type |
|-----------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------|
| Paper Mills | Fume, Moisture, Drying Control | CVD, Flex-Flyte® L-9, RFH, RFH.045, RFH-Plus, UFD, UFD.045, UFD.060, Vac-U-Flex® TPE, Vac-U-Flex® TPU |
| Pharmaceutical | Fume Ventilation | RFH-White, SDH, Super Vac-U-Flex®, UFD, UFD-SD, Vac-U-Flex® TPU |
| Plastics Industry | Pellet Conveying, Heat Transfer, Drying | Flex-Flyte® L-1, Flex-Flyte® L-9, RFH Ultra, RFH-Plus, SDH, Vac-U-Flex® EH-L |
| Plating Equipment | Fume Removal | CVD, Flex-Flyte® L-9, RFH, Super Vac-U-Flex®, Vac-U-Flex® TPE |
| Pollution Control | Fume & Dust | 1PV-EP-HM, CVD, Flex-Flyte® "R," Flex-Flyte® LR-1, RFH, RFH-Plus, Vac-U-Flex® TPE |
| Portable Heaters/Air Conditioners | Air Transfer | 1PN-EP-HM, 1PV-EP-HM, Therma-Cool PN, Therma-Cool PV |
| Racing Markets | Brake Cooling & Fresh Air Intake Duct | Duraflex "D," Flex-Flyte® L-9, HTR |
| Railroads | HVAC & Water Discharge | Flex-Flyte® VF, J-11, RFH, RFH.045, RFH-Plus, SLP-10, Super Vac-U-Flex®, Vac-U-Flex® TPE |
| Rental Market | Heat & AC Duct | 1PN-EP-HM, 1PV-EP-HM, Therma-Cool PN, Therma-Cool PV |
| RV Manufacturing | Lav Disposal/Defroster & AC Duct | ARH, Duraflex "D," HTR, J-11, RFH Ultra, Super Vac-U-Flex®, Vac-U-Flex® EH-L, UFD |
| Saw Mills | Dust & Chip Control | RFH, RFH.045, RFH-Plus, UFD, UFD.020, UFD.045, UFD.060, UFD-SD |
| Sheet Metal Houses | Dust & Fume Removal | 2PN, CVD, RFH, Super Vac-U-Flex®, UFD |
| Ship Yards | Air & Fume, Dehumidification | 1PV-EP-HM, 2PN, ARH, FlexFast Couplings (Neoprene), FlexFast Couplings (Silicone), TBH-AP, TD-S/TD-HS |
| Street Sweeping | Replacement Hose | RFH.045, RFH-Plus, UFD, UFD.045, UFD.060 |
| Textile Mills | Dust & Lint Control | RFH, RFH-Plus, Super Vac-U-Flex®, UFD, Vac-U-Flex® TPU |
| Truck & Bus Manufacturing | Defroster Duct | ARH, Duraflex "D," HTR, J-11 |
| Welding Shops | Fume Exhaust | 2PN, RFH |
| Woodworking Shops | Dust Collection | Dust-Flex PP, Dust-Flex PU, Dust-Flex PVC |

HI-TECH DURAVENT

Flexible Hose & Ducting

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Abbeville, SC 29620

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Plymouth, IN 46563

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