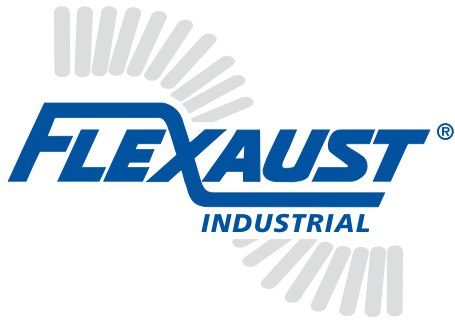


FLEXIBLE HOSE AND DUCT
PRODUCT CATALOG



[applications]





The Flexaust Company is the leading manufacturer of lightweight hose and duct for industrial applications. For over 60 years we have been serving the industry with flexible, easy-to-install products used to convey air, fumes, dust, and lightweight materials. From the industrial vacuum cleaner, to dust control on woodworking equipment, to fume extraction at welding stations, to handling gravity-drop light bulk material at a packaging station, there is a Flexaust product at work.

Flexaust's first commitment will always be to produce the highest quality products and to exceed our customers' expectations. Even with growing demands for new and innovative products, the driving motivation remains delivering value to our customers.

It all began in 1938 when Arizona mining engineer Harold Hersey filled a desperate need for the mining industry by developing the first flexible hose system to vent fumes and bring fresh air to hard working miners. The transition from mining to industrial application was sparked by the heavy construction activities of World War II. After the war, Flexaust continued to grow by supporting industry with hose and duct that would improve the workplace environment.

We are proud of our past, but more importantly, we are excited and focused on the future. As part of the international Schauenburg Group, our worldwide support allows us the efficiency to draw upon the various resources and expertise with the different units of the group. Innovation, creativity, and a "can do" spirit are the heart of where we're going. This includes the introduction of new products and processes, the potential of strategic acquisitions, and a step-up in our support and training of distributors. The Flexaust Company...offering flexible solutions.

FLEXIBLE HOSE AND DUCT

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QUALITY CONTROL

Quality is a vital concern of The Flexaust Company Inc. Continual physical testing of raw materials and inspections of finished products assure that Flexaust products will continue to merit their reputation for dependability.

FLEXIBILITY

Lightweight flexibility makes Flexaust ducting easy to install and use. It bends easily around obstructions, eliminating the need for expensive engineering.

SIMPLICITY

Flexaust products are easy to cut, couple, and connect, using only basic tools. Light and portable, they can be stored and used repeatedly.

PRODUCT SELECTION

We offer the largest selection of products in the ducting industry, including durable elastomers, wire-supported plastics, all plastic, and hand-bendable metal. A variety of end finish connections are also available.

PRODUCT DEVELOPMENT

Flexaust offers more designs for specific applications than anyone else in the industry and we can help you select exactly the right product for your requirements. Close contact with industry keeps us informed about trends in new and existing markets and enables us to consistently develop new products.

CUSTOMER SERVICE

Customers come first with Flexaust. Customers receive prompt assistance and superb technical support from Flexaust. With a factory trained, sales force geographically based throughout the U.S. and Canada, we are keyed on responsive, intelligent assistance for every one of our thousands of customers.

PRODUCT AVAILABILITY

Because we inventory all popular sizes and styles of Flexaust products, shipments in as little as 24 hours are available to help you through an emergency. Flexaust stocking distributors are key members of the Flexaust team. By providing them with quality products, factory support, and field assistance, we help them serve you. Flexaust products are stocked at our four locations; Warsaw, IN, Atlanta, GA, Houston, TX and Rancho Cucamonga, CA as well as by distributors in cities nationwide so that needed products are nearby.



Product Selection Guide

There are five critical factors in selecting the proper hose and ducting for your application. These are: [Size](#), [Temperature](#), [Application](#), [Media](#), and [Pressure](#). The superior strength of Flexaust hose and ducting makes them suitable for the pressures and velocities normally required for industrial air movement, dust collection, fume control and light bulk material handling applications.



Air

- Heating or Cooling
 - Drying
- Dehumidifying
 - Cleaning
- Dust Covers
 - Supply
- Connectors
- Air Filter Intakes



Fume

- Laboratory
- Industrial
- Automotive
 - Painting
 - Welding
- Soldering
- Plating



Dust

- Filtering
- Movement
- Exhaust
- Duct Cleaning
- Textile Fiber Collection
- Vacuum Cleaning
- Lint Collection
 - Loading (Containment)
 - Cutting
 - Grinding

















LIGHT WEIGHT Materials







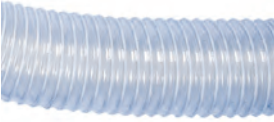







- HANDLING**
- Shavings
 - Chips
 - Powders
 - Debris
 - Leaf Collection
 - Street Sweeping
 - Lawn Vacuum
 - Slurries
 - Sawdust Collection
 - Drains
 - Packing Popcorn



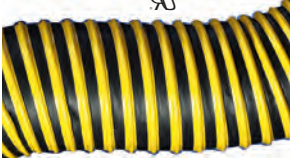







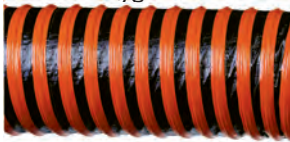

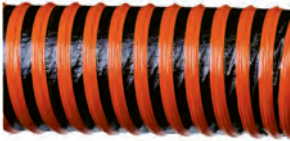

S I Z E	T E M P E R A T U R E	A P P L I C A T I O N	M E D I A	P R E S S U R E
Specify the I. D. of the Flexaust hose or duct required:	Media Temperature (°F):	Specify: AIR FUME DUST LT. WT. MATERIALS and describe application	What is going through the hose or duct?:	Specify Pressure: PSIG Inch WC Inch Hg. POS <input type="checkbox"/> NEG <input type="checkbox"/>











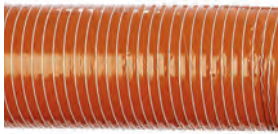



FLEXADUX

A Air **F** Fume **D** Dust **M** Mat'l







Product	Sizes Inside Dia. (IN.)	Std. Lgth. (FT.)	Temp. Range (F.)	Description
R-2  	1 1/4" – 16"	25' and 50'	20° to 160°	<ul style="list-style-type: none"> • Medium weight blue or clear PVC wall hose construction reinforced with a spring steel wire helix • Good for positive pressure and light vacuum applications • Combines extreme flexibility and excellent compressibility with tight bending characteristics • Easy to clean, smooth inner surface assures minimal friction loss and efficient flow characteristics • Resists weathering, chemicals, and moisture • Good abrasion resistance • Blue is listed as UL 94V-0 flame retardant • Clear is manufactured with products that conform to Title 21 FDA
R-7  	STOCK 2" – 12" CUSTOM TO 24"	25' and 50'	20° to 160°	<ul style="list-style-type: none"> • Medium weight clear PVC wall hose construction with a blue external wearstrip reinforced with a spring steel wire helix • Suited for positive and negative pressures • Smooth inner surface assures minimal pressure drop and friction loss • Resists weathering, chemicals, and moisture • Combines optimum flexibility and durability with tight bending characteristics • Highly visible blue wearstrip offers external abrasion resistance
R-3  	1 1/4" – 16"	25' and 50'	20° to 160°	<ul style="list-style-type: none"> • Heavy weight blue or clear PVC wall hose construction reinforced with a coated spring steel wire helix • Good for positive pressure and heavy vacuum applications • Easy to clean, smooth inner surface assures minimal friction loss and efficient flow characteristics • Resists weathering, chemicals, and moisture • Superior internal and external abrasion resistance • Coated wire creates a smooth bend radius • Blue is listed as UL 94V-0 flame retardant • Clear is manufactured with products that conform to Title 21 FDA
XLT  	2" – 6"	25'	-40° to 275°	<ul style="list-style-type: none"> • Light weight Santoprene® thermoplastic rubber wall hose construction reinforced with a spring steel wire helix • Recommended for light duty, low pressure applications • Resistant to ozone, UV rays, weathering, oil, and chemicals • Excellent temperature capabilities • Close pitch wire reinforcement offers superior flexibility and compressibility
LT  	1 1/2" – 16"	25' and 50'	-40° to 275°	<ul style="list-style-type: none"> • Medium weight Santoprene® thermoplastic rubber wall hose construction reinforced with a spring steel wire helix • Excellent compressibility and flexibility • Easy to clean, smooth inner surface assures minimal friction loss and efficient flow characteristics • Resistant to ozone, UV rays, weathering, oil, and chemicals
T-7  	2" – 24"	25' and 50'	-40° to 275°	<ul style="list-style-type: none"> • Medium weight Santoprene® thermoplastic rubber wall hose construction with a yellow external wearstrip reinforced with a spring steel wire helix • Designed for wide temperature ranges while maintaining flexibility • Good abrasion resistance • Suited for extreme moisture and broad chemical applications • Resistant to ozone, UV rays, weathering, oil, and chemicals • Highly visible yellow wearstrip offers external abrasion resistance • Combines extreme flexibility and excellent compressibility with tight bending characteristics • Easy to clean, smooth inner surface assures minimal friction loss and efficient flow characteristics
HT  	1 1/2" – 16"	25' and 50'	-40° to 275°	<ul style="list-style-type: none"> • Heavy weight Santoprene® thermoplastic rubber wall hose construction reinforced with a spring steel wire helix • Suitable for more demanding positive and negative pressure applications • Resistant to ozone, UV rays, weathering, oil, and chemicals • Designed for wide temperature ranges • Easy to clean, smooth inner surface assures minimal friction loss and efficient flow characteristics


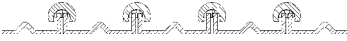





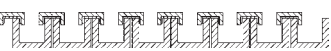

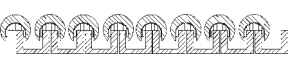
Product	Sizes Inside Dia. (IN.)	Std. Lgth. (FT.)	Temp. Range (°F.)	Description
TFR-W  A F	2" – 12"	25' and 50'	-40° to 275° (INTERMITTENT TO 300°)	<ul style="list-style-type: none"> • Polyester fabric reinforced Santoprene® thermoplastic rubber wall hose construction with an external wearstrip reinforced with a spring steel wire helix • TFR-W combines the ozone, UV, weathering, oil, and chemical resistance of Santoprene® with the tensile strength and fatigue resistance of fabric hoses • Wearstrip offers external abrasion resistance 
Flx-Thane™ LD  A F D	2" – 18"	25'	-65° to 225°	<ul style="list-style-type: none"> • Light weight black or clear polyurethane wall hose construction reinforced with a spring steel wire helix • Excellent compressibility • Cut, gouge, and chemical resistant • Efficient flow characteristics • Designed for wide temperature ranges • Offers maximum combination of flexibility and abrasion resistance 
Flx-Thane™ MD  M	2" – 24"	25' and 50'	-65° to 225°	<ul style="list-style-type: none"> • Medium weight black or clear polyurethane wall hose construction reinforced with a spring steel wire helix • Excellent compressibility • Offers maximum combination of flexibility and abrasion resistance • Cut, gouge, and chemical resistant • Efficient flow characteristics • Designed for wide temperature ranges 
Flx-Thane™ HD  M	2" – 24"	25'	-65° to 225°	<ul style="list-style-type: none"> • Heavy weight black or clear polyurethane wall hose construction reinforced with a coated spring steel wire helix • Excellent compressibility • Offers maximum combination of flexibility and abrasion resistance • Cut, gouge, and chemical resistant • Efficient flow characteristics • Designed for wide temperature ranges • Coated wire creates a smooth bend radius 
Flx-Thane™ SD  M	2" – 12"	25' and 50'	-65° to 225°	<ul style="list-style-type: none"> • Medium weight black or clear static dissipative polyurethane wall hose construction reinforced with a spring steel wire helix • Excellent compressibility • Offers maximum combination of flexibility and abrasion resistance • Cut, gouge, and chemical resistant • Efficient flow characteristics • Designed for wide temperature ranges • Reduces static in material handling applications • Surface resistance level: 10⁹-10¹⁰ Ohms/Square 
MG-V  A F D M	5/8" – 2"	50'	-10° to 160°	<ul style="list-style-type: none"> • PVC wall hose construction reinforced with a vinyl coated spring steel wire helix • Light weight and flexible • Good chemical resistance 
MG-U  A F D M	5/8" – 2"	50'	-60° to 160°	<ul style="list-style-type: none"> • Elastomer urethane wall hose construction reinforced with a vinyl coated spring steel wire helix • Light weight and flexible • Good chemical resistance 





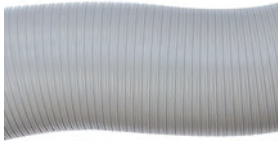
Product	Sizes Inside Dia. (IN.)	Std. Lgth. (FT.)	Temp. Range (F.)	Description
CWC 	STOCK 2" – 24" CUSTOM TO 48"	25'	-40° to 250°	<ul style="list-style-type: none"> • Double-ply neoprene impregnated polyester fabric hose construction reinforced with a spring steel wire helix • Excellent crush resistance and tensile strength • Neoprene coating offers excellent abrasion and chemical resistance • Handles positive and negative pressure • Listed as UL 94 V-0 flame retardant
D				
CWC-W 	STOCK 4" – 24" CUSTOM TO 48"	25'	-40° to 250°	<ul style="list-style-type: none"> • Double-ply neoprene impregnated polyester fabric hose construction with an external wearstrip reinforced with a spring steel wire helix • Excellent crush resistance and tensile strength • Neoprene coating offers excellent abrasion and chemical resistance • Handles positive and negative pressure • Wearstrip offers external abrasion resistance • Listed as UL 94 V-0 flame retardant
D M				
CWGP 	STOCK 1" – 24" CUSTOM TO 48"	25'	-40° to 250°	<ul style="list-style-type: none"> • Double-ply neoprene impregnated polyester fabric hose construction reinforced with a spring steel wire helix • Excellent crush resistance and tensile strength • Neoprene coating offers excellent abrasion and chemical resistance • Handles positive and negative pressure • Extremely flexible • More durable than double-ply cotton hose • Listed as UL 94 V-0 flame retardant
D				
CWS 	2" – 12"	25'	-40° to 250°	<ul style="list-style-type: none"> • Single-ply neoprene impregnated polyester fabric hose construction reinforced with a spring steel wire helix • Recommended for light duty, low pressure applications • Extremely flexible • Neoprene coating offers excellent abrasion and chemical resistance • Designed for wide temperature ranges • Listed as UL 94 V-0 flame retardant
A F				
CWY 	STOCK 4" – 24" CUSTOM TO 48"	25'	-40° to 250°	<ul style="list-style-type: none"> • Double-ply neoprene impregnated nylon fabric hose construction reinforced with a spring steel wire helix • Neoprene and nylon construction offers excellent abrasion resistance and superior flex life • Handles both positive and negative pressure • High strength-to-weight ratio • Efficient flow characteristics • Excellent tensile strength • Available with an external wearstrip.
M				
FSP-I 	3" – 12"	25'	-20° to 180°	<ul style="list-style-type: none"> • Single-ply polyester reinforced PVC vinyl fabric hose construction with an orange external wearstrip reinforced with a spring steel wire helix • Low friction loss • Chemical and moisture resistant • Highly visible orange wearstrip offers external abrasion resistance • Listed as UL 94 V-0 flame retardant
A F				
FSP-II 	3" – 12"	25'	-20° to 180°	<ul style="list-style-type: none"> • Double-ply polyester reinforced PVC vinyl fabric hose construction with an orange external wearstrip reinforced with a spring steel wire helix • Moisture, mildew, and chemical resistant • Highly visible orange wearstrip offers external abrasion resistance • Operates under positive and negative pressures • Low friction loss • Listed as UL 94 V-0 flame retardant
D				







Product	Sizes Inside Dia. (IN.)	Std. Lgth. (FT.)	Temp. Range (F.)	Description
FSP-II Bridge 	STOCK 12" – 24" CUSTOM TO 48"	25'	-20° to 180°	<ul style="list-style-type: none"> • Double-ply polyester reinforced PVC vinyl fabric hose construction with a gray external wearstrip reinforced with a spring steel wire helix • Moisture, mildew, and chemical resistant • Gray wearstrip offers external abrasion resistance • Operates under positive and negative pressures • Low friction loss • Manufactured with flame retardant materials
				
D M				
CW-325 	1 1/2" – 16"	25'	-20° to 325°	<ul style="list-style-type: none"> • Single-ply acrylic coated polyester fabric hose construction reinforced with a spring steel wire helix • Ideal for air & fume handling applications with temperatures up to 325° F • Designed for wide temperature ranges • Light weight and flexible • Listed as UL 94 V-0 flame retardant
				
A F				
White 	1 1/2" – 16"	25'	-20° to 325°	<ul style="list-style-type: none"> • Double-ply acrylic coated polyester fabric hose construction reinforced with a spring steel wire helix • Manufactured with products that conform to Title 21 for dry foods and pharmaceutical materials handling • Low friction loss • Efficient flow characteristics • Abrasion resistant • Designed for wide temperature ranges
				
A D M				
Conduct-O-Flex 	STOCK 1" – 24" CUSTOM TO 48"	25'	-40° to 250°	<ul style="list-style-type: none"> • Double-ply neoprene impregnated polyester fabric hose construction coated with a conductive elastomer reinforced with a spring steel wire helix • High conductivity reduces the danger of static buildup and allows electrostatic buildup to escape when properly grounded • Surface Resistance Level: 10³-10⁵ Ohms/Square • Neoprene coating offers excellent abrasion and chemical resistance • Handles both positive and negative pressure
				
A D				
Garage Exhaust 	2", 2 1/2", 3", 4", 5"	10'	2" = 275°, 2 1/2" = 325°, 3"-5" = 375°	<ul style="list-style-type: none"> • Light weight rubber wall hose construction • Ideal for carbon monoxide exhaust applications • Resistant to heat, aging, gasoline, oil, and fumes • No wire or metal; even when flattened 100% the hose immediately returns to its original shape • Hose adapters and accessories available
				
F				
BDS 	1" – 6"	12'	-65° to 500°	<ul style="list-style-type: none"> • Single-ply silicone coated fiberglass fabric hose construction with an external filament fiberglass cord reinforced with a spring steel wire helix • Suited for air handling applications at low pressures • Designed for both high and low temperature extremes • Non-kinking • Resistant to many oils & solvents, ozone, water, fungus, and alkalis • Not recommended for continuous flexing
				
A F				
CWGS 	2" – 12"	12' and 25'	-65° to 550°	<ul style="list-style-type: none"> • Single-ply silicone coated fiberglass fabric hose construction reinforced with a spring steel wire helix • Light weight and flexible • Designed for both high and low temperature extremes • Resistant to many oils & solvents, ozone, water, fungus, and alkalis • Not recommended for continuous flexing
				
A F				

Product	Sizes Inside Dia. (IN.)	Std. Lgth. (FT.)	Temp. Range (°F.)	Description
GS  	1" – 12"	12'	-65° to 550°	<ul style="list-style-type: none"> • Double-ply silicone coated woven fiberglass fabric hose construction with an external filament fiberglass cord reinforced with a spring steel wire helix • Designed for both high and low temperature extremes • Suited for air handling applications at low positive and low negative pressures • The narrow pitch allows for tight bending radius while maintaining a smooth air flow • Extremely light weight and flexible • Non-kinking • Resistant to many oils & solvents, ozone, water, fungus, and alkalis • Not recommended for continuous flexing
Flex-Vest™  	1 1/2" – 6"	12' CUSTOM TO 25'	INNER LAYER: -65° to 550° (INTERMITTENT TO 600°) OUTER LAYER: -40° to 250°	<ul style="list-style-type: none"> • Inner Layer; Double-ply silicone coated woven fiberglass fabric hose construction with a spring steel wire helix • Outer layer; Single-ply neoprene impregnated polyester fabric hose construction reinforced with a spring steel wire helix • Insulation; 1-inch fiberglass insulation (R-Value=3) • Insulated dryer hose • Combines flexibility with minimal heat loss • Designed to maintain consistent high or low temperature extremes • Suited for air handling applications at low positive and low negative pressures • The narrow pitch allows for tight bending radius while maintaining a smooth air flow • Extremely light weight and flexible • Excellent external abrasion and chemical resistance
Flex-Lok® HP  	3" – 12"	25'	-40° to 275°	<ul style="list-style-type: none"> • Single-ply Hypalon®-coated polyester fabric hose construction mechanically crimped in a continuous process • Fabric is locked around a coated steel wire by a metal strip formed into a clip • Outstanding resistance to external abrasion • Ideal for venting applications requiring the chemical resistant properties of Hypalon® • Extremely flexible and easily compressed • Offers weather and chemical resistance
Flex-Lok® TF  	3" – 12"	25'	-65° to 500°	<ul style="list-style-type: none"> • Single-ply Teflon®-coated fiberglass fabric hose construction mechanically crimped in a continuous process • Fabric is locked around a coated steel wire by a metal strip formed into a clip • Outstanding resistance to external abrasion • Extremely flexible and easily compressed • Outstanding chemical resistance • Ideal for venting many of today's harsh chemicals
Flex-Lok® SF  	3" – 12"	25'	-65° to 550°	<ul style="list-style-type: none"> • Single-ply silicone-coated fiberglass fabric hose construction mechanically crimped in a continuous process • Fabric is locked around a coated steel wire by a metal strip formed into a clip • Outstanding resistance to external abrasion • Extremely flexible and easily compressed • Ideal for vehicle exhaust applications with external abrasion
Flex-Lok® NPB  	3" – 12"	25'	-65° to 250°	<ul style="list-style-type: none"> • Single-ply neoprene coated polyester fabric hose construction mechanically crimped in a continuous process • Fabric is locked around a coated steel wire by a metal strip formed into a clip • Outstanding resistance to external abrasion • Extremely flexible and easily compressed • Ideal for vehicle exhaust applications with external abrasion
Raceflex®  	1 1/2", 2", 2 1/2", 3"	12'	-65° to 625°	<ul style="list-style-type: none"> • Light weight laminate of fiberglass and vacuum metallized polyester film • Heat reflective • 625 °F operating temperature • Light weight and flexible • Smooth bend radius • 2.64-inch compression per foot of hose • Designed for brake ducting & ventilation of drive compartments in racecars

Product	Sizes Inside Dia. (IN.)	Std. Lgth. (FT)	Temp. Range (F)	Description
Bendway™ A  A F	2" – 12"	5' and 10'	-100° to 400°	<ul style="list-style-type: none"> • Single-ply, helically corrugated aluminum alloy wall hose construction with a four-ply finished seam that is folded flat and crimped for tightness and strength • Light weight and hand bendable • Hand bendable and self supporting to form elbows and turns easily during installation • Designed for extreme temperature applications • Resists metal fatigue, weathering, and most corrosive fumes & chemicals • Not recommended for continuous flexing 
Bendway™ S  A F	2" – 12"	5' and 10'	-400° to 800°	<ul style="list-style-type: none"> • Single-ply, helically corrugated stainless steel alloy wall hose construction with a four-ply finished seam that is folded flat and crimped for tightness and strength • Light weight and hand bendable • Hand bendable and self supporting to form elbows and turns easily during installation • Designed for extreme temperature applications • Resists metal fatigue, weathering, and most corrosive fumes & chemicals • Not recommended for continuous flexing 
Bendway™ Plus  A F D M	3" – 12"	25' (3"-8") 15' (9"-12")	up to 1650°	<ul style="list-style-type: none"> • Manufactured using 316Ti Stainless Steel in a patented roll lock construction • Crush-resistant • Durable corrugations allow product to be dragged, bent, and reshaped numerous times without damage or breaking • Suitable for fume and air exhaust applications with extremely high temperatures up to 1650 °F • 25' coils can ship via UPS in 3" to 6" diameters • Excellent flexibility • Titanium stabilized 316 stainless alloy for superior high temperature corrosion resistance • Suitable for chemical fume exhausting, high temperature, and corrosive applications where both positive and negative pressures are involved 

Product	Sizes Inside Dia. (IN.)	Std. Lgth. (FT.)	Temp. Range (°F.)	Description
GPE 	1½", 2", 2½", 3", 4", 5"	25' and 50'	-40° to 140°	<ul style="list-style-type: none"> • Light weight black polyethylene wall hose construction reinforced with an integral polyethylene helix • Suited for low pressure air movement and fume extraction • Excellent for light vacuum applications • Light weight and extremely flexible • Smooth interior for efficient flow characteristics, minimum pressure drop, low friction loss, and clogging prevention • Moderate abrasion resistance • Crush resistant
A F				
Mark II 	1½", 2", 2½", 3", 3½", 4"	25' and 50'	-40° to 140°	<ul style="list-style-type: none"> • Medium weight clear polyethylene wall hose construction reinforced with a translucent integral polyethylene helix • Ideal for insulation blowing applications • Handles both positive and negative pressures • Easy to handle and extremely flexible in both hot and cold working conditions • Translucent walls offer easy monitoring of material flow • Resists clogging • Convoluted interior design creates efficient air flow that aerates insulation materials and increases machine efficiency with regard to coverage and density • Crush-resistant • Manufactured with products that conform to Title 21 FDA
M				
Uni-Loop 	1", 1¼", 1½", 2"	50'	-40° to 140°	<ul style="list-style-type: none"> • Light weight gray polyethylene copolymer wall hose construction reinforced with an integral polyethylene helix • Handles low positive and low negative pressure • Smooth interior for efficient flow characteristics, minimum pressure drop, low friction loss, and clogging prevention • Superior external abrasion resistance • Tight bending characteristics • Crush-resistant • Ideal for use in light weight vacuum applications and as a drain hose • Suitable for conduit for wiring
M				
Commercial 	1¼", 1½", 2", 2½", 3", 4"	25' and 50'	-40° to 140°	<ul style="list-style-type: none"> • Gray or black polyethylene copolymer wall hose construction reinforced with an integral polyethylene helix • Two-part construction • For industrial and commercial vacuum applications • Crush-resistant • Excellent flexing characteristics • Superior abrasion resistance • Smooth interior for efficient flow characteristics, minimum pressure drop, low friction loss, and clogging prevention • All sizes handle a full vacuum
M				
Flx Plus 	1½", 2"	25' and 50'	-40° to 140°	<ul style="list-style-type: none"> • Gray polyethylene copolymer wall hose construction reinforced with an integral polyethylene helix • Light weight and flexible even at low temperatures • Tight bending characteristics • High abrasion resistance • Wet or dry vacuum in car wash, commercial, and industrial applications • Crush resistant • Smooth interior for efficient flow characteristics, minimum pressure drop, low friction loss, and clogging prevention • Resistant to many chemicals • All sizes handle a full vacuum
M				

Product	Sizes Inside Dia. (IN.)	Std. Lgth. (FT.)	Temp. Range (F.)	Description
DPZ  M	1 1/4", 1 1/2", 2"	25' and 50'	-40° to 140°	<ul style="list-style-type: none"> • Light weight gray polyethylene copolymer wall hose construction reinforced with an integral polyethylene helix • Wet and dry vacuum applications • Handles low positive and low negative pressure • Smooth interior for efficient flow characteristics, minimum pressure drop, low friction loss, and clogging prevention • Superior external abrasion resistance • Tight bending characteristics • Crush resistant
Conductive DPZ  M	1 1/4", 1 1/2", 2"	25' and 50'	-40° to 140°	<ul style="list-style-type: none"> • Light weight black polyethylene static dissipative copolymer wall hose construction with a white skimcoat reinforced with an integral polyethylene helix • Static dissipative • Surface Resistance Level: 10³-10⁶ Ohms/Square • Handles low positive and low negative pressure • Smooth interior for efficient flow characteristics, minimum pressure drop, low friction loss, and clogging prevention • Superior external abrasion resistance • Tight bending characteristics • Crush resistant
Super TM  M	1 1/2", 2"	25' and 50'	-40° to 160°	<ul style="list-style-type: none"> • Orange or blue polyethylene copolymer wall hose construction reinforced with an integral polyethylene helix • Two-part construction • Ideal for both truck-mounted and portable carpet cleaning units • Specifically formulated to withstand temperatures up to 160°F • Superior abrasion resistance • Crush-resistant • Designed to resist corrosion caused by the combination of hot water and chemical concentration of detergents • All sizes handle a full vacuum • Smooth interior for efficient flow characteristics, minimum pressure drop, low friction loss, and clogging prevention • Extremely durable and flexible • Made with factory-installed polyweld cuffs
Tiger Tail  M	2", 3", 4"	25' and 50'	-40° to 140°	<ul style="list-style-type: none"> • Rugged yellow polyethylene wall hose construction reinforced with an integral polyethylene helix • Intended for liquid suction applications and ideally suited for the removal of fluids and waste materials • All sizes handle a full vacuum • Extremely flexible even in sub-zero temperatures • Smooth interior for efficient flow characteristics, minimum pressure drop, low friction loss, and clogging prevention • Sleek exterior reduces drag for easy maneuverability • Superior abrasion resistance • Crush-resistant • Resistant to kinking • Made with factory-installed polyweld cuffs
Pliaduct  A F	2" - 12"	25' (2"-6") 10' (8"-12")	-10° to 150°	<ul style="list-style-type: none"> • 100% rigid self-supporting PVC material with a ribbon-lock construction • Diameter is adjustable by hand and can be reduced or expanded by approximately 25% of original I.D. • Chemical resistant • May be shaped and reshaped and spliced together without special tools • Excellent for either temporary or permanent installation • May be compounded to meet UL94HB

Product	Sizes Inside Dia. (IN.)	Std. Lgth. (FT.)	Temp. Range (F.)	Description
FSP-V 	STOCK 4" – 24" CUSTOM TO 48"	25'	-20° to 180°	<ul style="list-style-type: none"> • Single-ply yellow polyester reinforced PVC vinyl fabric hose construction with an external wearstrip reinforced with a spring steel wire helix • Lightweight duct for blower applications • Highly compressible • Retractability allows for convenient storage and easy transport in a fraction of its fully extended length • Low friction loss • Wearstrip offers external abrasion resistance • Listed as UL 94 V-0 flame retardant
SD-W 	STOCK 4" – 24" CUSTOM TO 48"	25'	-65° to 250°	<ul style="list-style-type: none"> • Single-ply neoprene impregnated yellow polyester fabric hose construction with an external wearstrip reinforced with a spring steel wire helix • Ideal for moving large volumes of air in portable or permanent ventilation/exhaust systems • Wearstrip offers external abrasion resistance • Highly compressible • Retractability allows for convenient storage and easy transport in a fraction of its fully extended length • Low friction loss • Listed as UL 94 V-0 flame retardant
Arctic Duct III 	6" – 24"	25'	-20° to 180°	<ul style="list-style-type: none"> • Single-ply yellow polyester reinforced PVC vinyl fabric outer shell and inner liner protecting an insulation barrier with an external wearstrip reinforced with a spring steel wire helix • Ideal use for permanent and mobile air conditioning units • PVC material resists ozone, UV rays, and moisture • Highly compressible • Retractability allows for convenient storage and easy transport in a fraction of its fully extended length • Wearstrip offers external abrasion resistance • Other Arctic Duct construction available with different materials • Manufactured with flame retardant materials
Type U 	8" – 20"	MADE TO ORDER	-40° to 250°	<ul style="list-style-type: none"> • Double-ply neoprene impregnated polyester fabric outer shell and inner wall protecting a long strand fiberglass insulation with an external wearstrip reinforced with a spring steel wire helix • Good for air handling applications • High tensile strength • Wearstrip offers external abrasion resistance • Low friction loss • Highly compressible • Retractability allows for convenient storage and easy transport in a fraction of its fully extended length • Shown here in olive drab, standard color is yellow • Manufactured with flame retardant materials
STO 	4" – 12"	MADE TO ORDER	-40° to 250°	<ul style="list-style-type: none"> • Single-ply neoprene impregnated yellow polyester fabric hose construction with an external wearstrip reinforced with a spring steel wire helix • Self-retracting duct suited for portable air conditioning equipment • Wearstrip offers external abrasion resistance • Excellent tensile strength • Highly compressible • Retractability allows for convenient storage and easy transport in a fraction of its fully extended length • Low friction loss • Manufactured with flame retardant materials
Sto-Sack® 	6" – 24"	15' and 25'	-20° to 180°	<ul style="list-style-type: none"> • Single-ply yellow polyester reinforced PVC vinyl fabric hose construction with an external wearstrip reinforced with a spring steel wire helix with self-storage bag • Easily compressible into self-storage bag for convenient handling and easy transportation • Wearstrip offers external abrasion resistance • Ideal for moving large volumes of air, smoke, or fumes using portable and temporary ventilation blowers under positive pressure • Manufactured with flame retardant materials

End Finishes

End Finishes

Springflex™ Cuffs

Fabric Cuffs



For Flexaust® hose.
Three plies of neoprene
impregnated fabric.

Sewn Cuff



Two plies of neoprene
impregnated fabric.

Enlarged Cuffs



For Flexaust® hose or
Springflex™ duct. Cuff I.D. is
larger than hose or duct I.D.

Standard/Enclosed Belted Cuff



For quick attachment to
portable blowers. Belt is
cinched around shroud for
secure hold.

Reduced Cuffs



For Flexaust® hose or
Springflex™ duct. Cuff I.D. is
smaller than hose or duct I.D.

Funnel Cuff



Sewn neoprene enclosed
polyester fabric built for
quick attachment capability.

Steel Flanges



Available in 2", 3", 4", 6", 8",
10", and 12" I.D. Eliminates
need for back-up plates. Cut
to specifications.

Belt Loop & Pull Tabs



Sewn neoprene polyester
loops and tabs for ease of
installation and securing
duct.

Felt Flanges



Neoprene impregnated.
Available in sizes from 1 1/2"
through 24" I.D.

Flat Bands/Nylon Ring



Installed on outlet end to
keep duct open. Rings and
flat bands allow two lengths
to be connected.

Additional Coatings

Neoprene

Most frequently used coating to
resist weathering and abrasion.

Buna N

Superior to neoprene in applications
involving specific chemicals,
solvents, and oils.

Accessories

Clamps and Connectors

Sheet Metal Accessories

Screw Clamps



Stainless steel band with carbon steel screw.
Sizes: 1 1/2" - 20".

Reducers



Made to order from galvanized sheet metal, neoprene-coated.

Bridge Clamps



Bridge clamps have a welded stainless steel bridge to fit over the helix for a leak proof seal. Available in clockwise and counter clockwise. Sizes: 3" - 12".

Transitions



Made to order from galvanized sheet metal, neoprene-coated.

Connectors



Available in stainless steel and aluminum with raised lip to prevent hose clamp from slipping off. Sizes: 1 1/2" - 24".

Y's



Made to order from galvanized sheet metal, neoprene-coated.

J-Lock



A convenient method to make a quick connection.
Sizes: 4" - 20".

T's



Made to order from galvanized sheet metal, neoprene-coated.

Branches



Made to order from galvanized sheet metal, neoprene-coated.



Screw Cuffs

Threads on end of Genesis™ vacuum hose to provide easy attachment.
Sizes: 1 $\frac{1}{4}$ ", 1 $\frac{1}{2}$ ", 2", 2 $\frac{1}{2}$ ", 3", and 4".
Standard Color: gray
(Consult factory for other colors)

Poly Weld Cuffs

Permanently welded to the end of the hose to provide an air tight seal.
Sizes: 1 $\frac{1}{4}$ ", 1 $\frac{1}{2}$ ", 2", 2 $\frac{1}{2}$ ", 3", and 4".
Standard Color: white and black
(Consult factory for other colors)

Connectors

Threads on end of Genesis™ vacuum hose to provide easy connection.
Sizes: 1 $\frac{1}{4}$ ", 1 $\frac{1}{2}$ ", and 2".
Standard Color: gray
(Consult factory for other colors)

Engineering Data

All data based on average approximation.

Pressure Equivalents:

1 psi = 2.77 inches w.g.

1 psi = 2.04 inches of mercury (Hg)

1 inch of mercury (Hg) = 13.6 inches w.g.

1 inch of mercury (Hg) = 0.491 psi

Inches Water	Inches Mercury	Lbs. Per Square Inch
100	7.35	3.61
90	6.62	3.25
80	5.88	2.89
70	5.15	2.53
60	4.41	2.17
50	3.68	1.81
40	2.94	1.44
30	2.21	1.08
20	1.47	0.72
10	0.74	0.36
0	0.00	0.00

Inches Mercury	Inches Water	Lbs. Per Square Inch
29	394.4	14.2
26	353.6	12.7
24	326.4	11.8
22	299.2	10.8
20	272.0	9.8
18	244.8	8.8
16	217.6	7.8
14	190.4	6.9
12	163.2	5.9
10	136.0	4.9
8	108.8	3.9
6	81.6	2.9
4	54.4	2.0
2	27.2	1.0
1	13.6	0.5
0.5	6.8	0.25

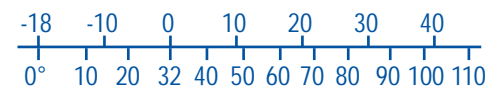
Engineering Data

Conversion Table Temperatures			
°F <--> °C		°F <--> °C	
-65	-53.9	175	79.4
-40	-40.0	200	93.3
-20	-28.9	212	100.0
0	-17.8	225	107.2
20	-6.7	250	121.1
32	0.0	300	148.9
40	4.4	325	162.8
60	15.6	350	176.7
80	26.7	400	204.4
100	37.8	450	232.2
125	51.7	500	260.0
150	65.6	550	287.8

All data based on average approximation.

Conversion Table Inch/Metric Sizes					
Inches	cm	mm	Inches	cm	mm
1.00	2.5	25.4	5.00	12.7	127.0
1.25	3.2	31.8	6.00	15.2	152.4
1.50	3.8	38.1	6.30	16.0	160.0
2.00	5.1	50.8	7.00	17.8	177.8
2.36	6.0	60.0	7.09	18.0	180.0
2.50	6.4	63.5	8.00	20.3	203.2
2.95	7.5	75.0	10.00	25.4	254.0
3.00	7.6	76.2	12.00	30.5	304.8
3.94	10.0	100.0	14.00	35.6	355.6
4.00	10.2	101.6	16.00	40.6	406.4
4.72	12.0	120.0	18.00	45.7	457.2

Celsius



Fahrenheit

Temperature Conversion

$$^{\circ}\text{F} = (^{\circ}\text{C} \times 1.8) + 32$$

$$^{\circ}\text{C} = 0.555(^{\circ}\text{F} - 32)$$

0 1/8 1/4 3/8 1/2 5/8 3/4 7/8 1 1 1/8 1 1/4 1 3/8 1 1/2 5/8 3/4 7/8 2 2 1/8 2 1/4 2 3/8 2 1/2 5/8 3/4 7/8 3 3 1/8 3 1/4 3 3/8 3 1/2 5/8 3/4 7/8 4 4 1/8 4 1/4 4 3/8 4 1/2 5/8 3/4 7/8 5 5 1/8 5 1/4 5 3/8 5 1/2 5/8 3/4 7/8 6 6 1/8 6 1/4 6 3/8 6 1/2 5/8 3/4 7/8 7 7 1/8 7 1/4 7 3/8 7 1/2 5/8 3/4 7/8 8 8 1/8 8 1/4 8 3/8 8 1/2 5/8 3/4 7/8 9 9 1/8 9 1/4 9 3/8 9 1/2 5/8 3/4 7/8 10

INCHES