

NOVAFLEX
PROVIDING HOSE & DUCT SOLUTIONS



Industrial Duct Products



NovaFlex has been pioneering innovative ways to make ducting more versatile, dependable and competitively priced for over 35 years.

Our patented manufacturing technique, utilizing “mechanical lock construction”, allows us to produce specialized products not available from other sources. This process combines unmatched product integrity and durability with the flexibility to quickly meet custom orders, large or small.

Unlike conventional methods using adhesives, our process requires no curing and is more resistant to temperature and environmental extremes. The outside metal helix also contributes to duct strength, durability and scuff-resistance.

Coupled with our complete line of extruded thermoplastic ducts, NovaFlex offers the widest selection of individual products in the industry.

SF-TPU, SF-TPU static dissipating, and SF-PVCW are available in the following metric sizes.

Metric Sizes (mm) Available:

60, 80, 90, 100, 115, 120, 140, 150, 160, 180, 200, 250

Please contact the factory for further details.

All hose and duct manufactured by NovaFlex are warranted to be free from all defects in material and workmanship. It is impossible to test NovaFlex hose and duct under all conditions to which they might be subjected in the field. It is therefore the buyer and/or end users' responsibility to test all NovaFlex hose and duct under conditions that duplicate the service conditions prior to installation.

Shipping Terms: F.O.B. Our warehouses

Please defer to Novaflex terms and conditions of sale located at: www.novaflex.com/TermsConditions/

Due to continuous improvements, all specifications are subject to change without notice.



GENERAL SERVICE DUCTS

NovaFlex general service ducts are extremely lightweight, flexible and economical.

U-Lok 100

An extremely flexible duct with good low temperature resistance and chemical resistance. Manufactured with UL94V-0 approved materials.

Applications

Dust control
Air handling
Light material handling
Fume control

Construction

Product code: 3UL100X
Material: Polyester fabric, Neoprene coated
Construction: Mechanical bond, corrosion resistant helix
Diameters: 2" to 24"
Bend radius: = 1.5 x I.D.
Weight: 6" I.D. = .9 lbs/ft.
Standard length: 25 ft
Compression Ratio: 6:1
Temperature Range: -45°F (-43°C) to +250°F (121°C)
Colour: Black



I.D.	3	4	5	6	8	10	12
Working Pressure/PSI	3.6	3.2	2.7	2.6	1.8	1.4	1.2
Negative Pressure Inch. H.g	2	1.8	1.3	1.2	1.1	.73	.6
Weight per Foot	.4	.44	.5	.56	.8	1.8	2

U-Lok 101

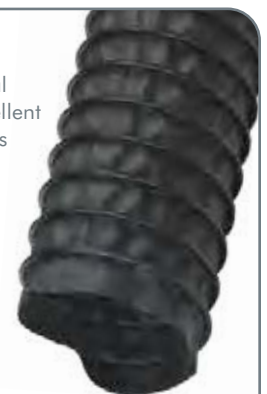
A combination of high-quality material and economical price provide an excellent flexible duct. PVC coated duct provides an alternative for wet fumes.

Applications

Dust control
Air movement
General Service
Fume control

Construction

Product code: 3UL101X
Material: Fiberglass/PVC coated
Construction: mechanical bond, corrosion resistant helix
Diameters: 2" to 24". Larger sizes available
Bend radius = 1.5 x I.D.
Weight: 6" I.D. = .9 lbs/ft
Length: 25ft
Compression Ratio: 6:1
Temperature range: -20°F (-29°C) to +250°F (121°C)
Colour: Black



I.D.	3	4	5	6	8	10	12
Working Pressure/PSI	4.3	4	3.6	3.5	3	2.15	1.8
Negative Pressure Inch. H.g	3.2	2.7	2.4	2.2	1.8	1.6	1.25
Weight per Foot	.4	.44	.5	.56	.8	1.8	2

UTILITY FOOD GRADE

Flexible ducting for food, pharmaceutical material transfer and clean room applications.

Designed for air and dust control light material handling & fume control applications

AF-1

With a bonded construction and encapsulated wire this duct is non-marking lightweight and economical. Manufactured with UL94V-0 approved materials.

Applications

Air handling
Fume control
Dust collection
Cool air supply

Construction

Product code: 3ULAFIX
Material: Polyester fabric, Neoprene coated
Construction: Single ply fabric over fully encapsulated spring steel helix
Diameters: 1.5" to 36"
Weight: 6" I.D. = .84 lbs/ft.
Length: 25 ft.
Compression Ratio: 5:1.
Temperature Range: -40°F (-40°C) to +250°F (121°C)
Colour: Black



I.D.	2	3	4	5	6	8	10	12
Working Pressure/PSI	20	14	13	9	7	7	5	3
Negative Pressure Inch. H.g	11.7	11.3	10.5	6	4	2.5	1.75	1.25
Weight per Foot	.28	.42	.56	.7	.84	1.12	1.4	1.68

SF-EVA

All extruded construction in ultra light weight translucent EVA for visual flow monitoring. This product offers good puncture resistance and is ideal for insulation blowing, cable conduit and fume control applications. Good chemical resistance.

Applications

Fume control
Light duty material handling
Cable conduit
Insulation blowing

Construction

Product code: 9SFEVAX
9SFEVAW (with wire)
Material: Ethyl Vinyl Acetate, extruded construction
Diameters: 2" to 4"
Bend Radius: 2" = 3.75"
Weight: 3" diam. = .4lbs/ft
Lengths: 25 ft & 50 ft
Temperature range -65°F (-54°C) to +200°F (93°C)
Colour: clear with white external scuff strip (minimum order)



I.D.	2	3	4
Working Pressure/PSI	8	7	6
Weight per Foot	.33	.4	.55

U-Lok 1200 Acrylic

Durable medium weight utility food grade fabric duct. This product possesses good abrasion resistance and fire retardant qualities.

Applications

Clean room environment
Cool or hot air supply
Air handling, fume control
Meets FDA regulations
Hospitals, food establishments, computer rooms
Meets UL94V-0 and Federal Method 5903

Construction

Product code: 3UL1200
Material: White Acrylic on Polyester
Construction: Mechanical bond, galvanized helix
Diameters: 3" to 24" I.D. Larger sizes available.
Bend Radius = 1.5 X I.D.
Weight: 6" I.D. = 1.25 lbs/ft
Length: 25ft
Compression Ratio: 5:1
Temperature range: -20°F (-29°C) to +250°F (121°C)
* see also extruded SF-PVC and SF-TPU duct for food grade options
Colour: White



I.D.	3	4	5	6	8	10	12
Working Pressure/PSI	3.6	3.2	2.7	2.6	1.8	1.4	1.2
Negative Pressure Inch. H.g	2	1.8	1.3	1.2	1.1	.73	.6
Weight per Foot	.6	.7	.9	1.1	1.5	1.8	2.2

SF-TPU (Wall Gauge 0.030")

All extruded, molecularly bonded urethane duct with encapsulated wire offers maximum abrasion resistance and superior tear resistance. Smooth inner wall reduces turbulence for maximum flow efficiency. Encapsulated wire protects surfaces from scuffing. Manufactured with FDA approved materials.

Applications

Sawdust collection
Lavatory waste
Pellet, material transfer
Excellent low temperature flexibility
Abrasion, oil and ozone and fungus resistant

Construction

Product code: 9SFTPUX
9SFTPUW (with wire)
Material: 0.030" clear extruded urethane
Diameters: 1.5" to 24"
Weight: 6" I.D. = 0.84 lbs/ft
Lengths: 25 & 50 ft. to 8" diam., 25'-10" diam. and up
Compression Ratio: 2:1
Temperature range: -65°F (-54°C) to +200°F (93°C)
Colour: Clear with clear helix
*(available with and without encapsulated wire)



Available in metric sizes

I.D.	2	3	4	5	6	8	10	12
Working Pressure/PSI	22	20	18	18	16	16	14	14
Negative Pressure Inch. H.g	29	29	26	21	16	6	5	4.5
Weight per Foot	.24	.46	.67	.81	.9	1.2	1.7	1.9

MEDIUM SERVICE DUCTS

Medium weight flexible ducting products to provide additional service life. Suitable for light duty material handling, plant cleanup, fume control and air

U-Lok 200

Heavier gauge fabric and coating to provide longer service life. Neoprene coating provides good cold temperature resistance compared with PVC. Manufactured with UL94V-0 approved materials.

Applications

Heavy-duty dust control
Outdoor plant clean-up
Sawdust, hot air blower

Construction

Product code: 3UL200X
Material: polyester/neoprene
Construction: mechanical bond, corrosion resistant helix
Diameters: 3" to 24" I.D. Larger sizes available
Bend radius = 1.5 x I.D.
Weight: 6" I.D. = 1.1 lbs/ft
Length: 25ft
Compression ratio 6:1
Temperature range: -65°F (-54°C) to +250°F(121°C)
Colour: Black

I.D.	3	4	5	6	8	10	12
Working Pressure/PSI	4.3	4	3.6	3.5	3	2.15	1.8
Negative Pressure Inch. H.g	3.2	2.7	2.4	2.2	1.8	1.6	1.25
Weight per Foot	.6	.7	.9	1.1	1.5	1.8	2.2



SF-PVC (Thermo Plastic PVC)

This duct's special molecularly bonded construction means less turbulence for maximum flow efficiency. This is a choice duct for many industrial applications, including the transport of particles and gaseous media. Constructed of premium clear Polyvinyl Chloride this duct allows for continuous visual monitoring. Manufactured with FDA approved materials.

Applications

Suitable for light duty material handling
Good resistance to oil, alkali and acids
Extremely flexible with good abrasion resistance
Clear construction for visual monitoring

Construction

Product code: 9SFPVCX, 9SFPVCW (with wire)
Material: Thermo Plastic Polyvinyl Chloride.
Wire encapsulated PVC external helix wear strip
Diameters: 1.5" to 24"
Bend radius = 6" diam. = 5.5"
Weight: 6" = .88 lbs/ft
Lengths: 25 & 50 ft. up to 8" diam., 25 ft - 10" diam. and up
Compression Ratio: 2:1
Temperature range: -20°F (-29°C) to +165°F (74°C)
Colour: Clear with black external helix
**(available with and without encapsulated wire)*



Available in metric sizes

I.D.	2	3	4	5	6	8	10	12
Working Pressure/PSI	18	14	13.3	12.6	12	10.7	7	6.3
Negative Pressure Inch. H.g	28	24	24	19	14	5	5	4
Weight per Foot	.24	.44	.6	.71	.88	1.2	1.8	1.9

SF-TPRW and SF-TPRX (Thermo Plastic Rubber)

Molecularly bonded high temperature thermo plastic rubber. Exceeds temperature limit of most plastics and is an economical alternative to specialty fabric duct. SF-TPR provides outstanding performance and flex fatigue resistance. Smooth interior design allows for superior flow and maximum efficiency. Extremely flexible with excellent shape retention. Manufactured with RoHS compliant material.

**See SF-TPR-FR for flame retardant applications*

Applications

Excellent flex fatigue resistance
Light duty material handling
Hot exhaust extraction
Medium duty chemical fume removal

Construction

Product code: 9SFTPRX, 9SFTPRW (with wire)
Material: Thermo Plastic Rubber with molecularly bonded wear strip
Diameters: 1.5" to 24"
Bend Radius: 6" = 6.5"
Weight: 6" I.D. = .77 lbs/ft
Lengths: 25 & 50 ft. up to 8" diam., 25' - 10" diam. and up
Compression Ratio: 2:1
Temperature range: -40°F (-40°C) to +275°F (135°C) continuous, (+300°F (149°C) intermittent)
Colour: TPRW All black, or black with yellow wearstrip. TPRX black with white wearstrip. *** (available with and without encapsulated wire)*

Available in metric sizes

I.D.	2	3	4	5	6	8	10	12
Working Pressure/PSI	8.5	7.5	7.3	7.2	7	6.7	5.5	4.7
Negative Pressure Inch. H.g	26	24	20	16	12	5	4.5	4
Weight per Foot	.22	.4	.57	.63	.86	1.2	1.4	1.6



AF-2

Double ply bonded construction provides enhanced positive pressure performance and durability; bi-directional construction for maximum flow efficiency. Manufactured with UL94V-0 approved materials.

Applications

Particle control
Pellet and chip handling
Areas of high vibration
Large volume fume control

Construction

Product code: 3ULAF2X
Material: Polyester fabric, Neoprene coated
Construction: Two ply fabric over fully encapsulated spring steel wire.
Diameters: 1.5" to 36"
Weight: 6" I.D. = .9 lbs/ft.
Length: 25 ft
Compression Ratio: 2:1.
Temperature Range: -40°F (-40°C) to +250°F (121°C)
Colour: Black



I.D.	2	3	4	5	6	8	10	12
Working Pressure/PSI	33	23	18	14	14	11	10	8
Negative Pressure Inch. H.g	28	27	25	18	14	8	5	3
Weight per Foot	.3	.45	.6	.75	.9	1.2	1.5	1.8

transfer applications.

TPU Static Dissipating (Wall gauge 0.030")

Static dissipating urethane reinforced with steel wire helix safely reduces static charges. TPU SD has excellent flexibility, maximum abrasion resistance, superior tear resistance and high tensile strength. Clear construction allows for visual monitoring. Manufactured from FDA approved material

Applications

Plastics processing, dust and shavings
Woodworking equipment
Plant debris collection
Dust collection
Material handling

Construction

Product Code: 9SFTPUW_SD
Material: Static dissipating urethane
Diameters: 2" to 12" (Larger diameters available, please contact the factory)
Compression ratio: 2:1
Weight: 6" I.D. = 0.84 lbs/ft, Lengths: 25 & 50 ft
Temperature range: -65°F (-54°C) to +200°F (94°C)
Colour: Clear with blue external helix
*Conductivity of hose should be tested regularly. Test with OHMS meter using conductive fittings inserted into each end of hose
**(Heavier wall gauges)



Available in metric sizes

I.D.	2	3	4	5	6	8	10	12
Working Pressure/PSI	22	20	18	18	16	16	14	14
Negative Pressure Inch. H.g	29	29	26	21	16	6	5	4.5
Weight per Foot	.24	.46	.67	.81	.9	1.2	1.7	1.9

AF-2WS

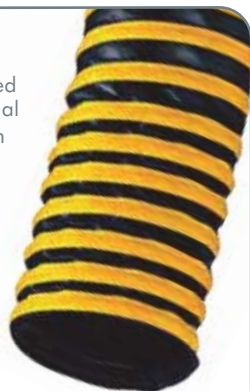
Double ply bonded construction coupled with a scuff guard for additional external abrasion resistance. Manufactured with UL94V-0 approved materials.

Applications

Particle control
Pellet and chip handling
Areas of high vibration
Large volume fume control

Construction

Product code: 3ULAF2Y
Material: Polyester/Neoprene coated. Black with yellow or black bonded wear strip.
Construction: Two ply fabric over fully encapsulated spring steel wire helix.
Diameters: 1.5" to 36"
Weight: 6" I.D. = 1.02 lbs/ft.
Length: 25 ft
Compression Ratio: 1.5:1
Temperature Range: -40°F (-40°C) to +250°F (121°C)
Colour: Black with yellow wear strip



I.D.	2	3	4	5	6	8	10	12
Working Pressure/PSI	33	23	18	14	14	11	10	8
Negative Pressure Inch. H.g	28	27	25	18	14	8	5	3
Weight per Foot	.42	.57	.75	.87	1.02	1.32	1.62	1.92

SPECIALTY METAL TUBING / HIGH TEMP FUME CONTROL

Novaflex patented triple lock construction provides for an air tight seam and added strength.

Metal Flex is ideal for stationary applications where bends are required or need to be maintained.

Easy to bend into position and ultra lightweight.

T-Lok 3003

An economical single ply aluminum duct. Also available in two plies for added strength or higher negative pressures.

Applications

Ideal for stationary bends
Elbow replacement for low pressure
Air movement
Fume control
Heating, cooling
Dehumidifying

Construction

Product code: 3UL3003
Material: Aluminum
Construction: Triple mechanical lock
Diameters: 2" to 24". (Larger sizes available on request)
Length: 10 ft
Bend radius = 1.5 x I.D.
Weight: 6" I.D. = 1.02 lbs/ft. (2 ply)
Compression: 3:1
Temperature Range: -60°F (-51°C) to +600°F (316°C)
(also available in 2ply for extra strength or higher negative pressure)

Rated Velocity: 4000 f/m (20.3 m/s)
Positive Pressure: 12" w.g. (3.0 kPa)
Negative Pressure: 1" w.g. (0.25 kPa)
ULC Listing: CLASS 1 AIR DUCT/CONNECTOR



T-Lok 304, T-Lok 316, T-Lok 316Ti

An economical stainless steel tubing designed to handle a broad range of industrial uses. Available in three stainless steel grades to handle various application requirements.

Applications

Elevated temperature
Fume control
Drying
Air filter intake
Elbow replacement for low pressure

Construction

Product code: 3UL1294
3UL1304
3UL1316
Material: Stainless steel with 316Ti alloy, .005"
Construction: Triple mechanical lock
Diameters: 2" to 24". (Larger sizes available on request)
Bend radius = 1.5 x I.D.
Weight: 6" I.D. = .750 lbs/ft.
Length: 10 ft
Temperature Range: -60°F (-51°C) to +1700°F (927°C)

Rated Velocity: 4000 f/m (20.3 m/s)
Positive Pressure: 12" w.g. (3.0 kPa)
Negative Pressure: 1" w.g. (0.25 kPa)
ULC Listing: CLASS 1 AIR DUCT/CONNECTOR



HEAVY DUTY SERVICE DUCTING

NovaFlex heavy duty service products are designed to handle the more
 NovaFlex offers a wide range of Thermoplastic rubber and urethane

For higher pressure applications refer to Extruded Material Handling Hose section - page 13

U-Lok 1010 & U-Lok 1020

A clear duct designed for flexibility with excellent abrasion resistance. Clear wall for flow monitoring. External metallic helix for scuff resistance. Available in two gauges manufactured with 12 mil and 20 mil.

Applications

Extremely flexible
 Ideal for use with articulating equipment
 Compressible, saw dust control
 In plant clean up
 (FDA approved material)

Construction

Product code: 3UL1010
 3UL1020
 Material: Urethane, 12 mil, clear. (style U-Lok 1010) or 20 mil, clear (style 1020)
 Construction: Mechanical lock, corrosion resistant helix
 Diameters: 3" to 24". Bend radius: = 1.5 x I.D.
 Weight: 6" I.D. = .7 lbs/ft. (U-Lok 1010)
 Weight: 6" I.D. = 1.25 lbs/ft (U-Lok 1020)
 Length: 25 ft.
 Compression Ratio: 4:1
 Temperature Range: -20°F (-29°C) to +250°F (121°C)
 Colour: Clear



I.D.	3	4	5	6	8	10	12
Working Pressure/PSI	4.3	4	3.6	3.5	3	2.2	1.8
Negative Pressure Inch. H.g	3.2	2.7	2.4	2.2	1.8	1.6	1.25
Weight per Foot (1010)	.32	.34	.58	.7	.93	1.17	1.4
Weight per Foot (1020)	.625	.83	1.04	1.25	1.67	2.08	2.5

SF-TPU (Wall Gauge 0.030")

All extruded, molecularly bonded urethane duct with encapsulated wire offers maximum abrasion resistance and superior tear resistance. Molecularly bonded construction reduces turbulence for maximum flow efficiency. Encapsulated wire protects surfaces from scuffing. Manufactured with FDA approved materials.

Applications

Lavatory waste
 Pellet material transfer
 Excellent low temperature flexibility
 Good chemical resistance, temperatures oil and ozone and fungus

Construction

Product code: 9SFTPUX
 9SFTPUW (with wire)
 Material: 0.030" clear extruded urethane
 Diameters: 1.5" to 24"
 Weight: 6" I.D. = 0.84 lbs/ft
 Lengths: 25 & 50 ft. to 8" diam., 25'-10" diam. and up
 Compression Ratio: 2:1
 Temperature range: -65°F (-54°C) to +200°F (93°C)
 Colour: Clear with clear helix
 *(available with and without encapsulated wire)



Available in metric sizes

I.D.	2	3	4	5	6	8	10	12
Working Pressure/PSI	22	20	18	18	16	16	14	14
Negative Pressure Inch. H.g	29	29	26	21	16	6	5	4.5
Weight per Foot	.24	.46	.67	.81	.9	1.2	1.7	1.9

U-Lok 1030 (30 mil Urethane Duct)

This extra heavy duty service duct will stand up to the toughest jobs. Constructed of 30 mil urethane, with an extra wide helix for added scuff resistance and strength. Great flexibility.

Applications

Heavy duty abrasion resistance
 Leaf collection
 Material handling, woodworking
 High flexibility. Oil resistant
 U.V. stabilized
 Meets FDA requirements 177.2600

Construction

Product code: 3UL1030
 Material: Urethane, 30 mil, mechanical lock corrosion resistant helix
 Diameters: 4" to 14".
 Weight: 6" I.D. = 1.9 lbs/ft
 Colour: Black
 Compression Ratio: 4:1.
 Length 25 ft
 Temperature Range: -20°F (-29°C) to +250°F 121°C)



I.D.	4	5	6	8	10	12
Working Pressure/PSI	18	18	16	16	14	14
Negative Pressure Inch. H.g	26	21	16	6	5	4.5
Weight per Foot	1.27	1.58	1.9	2.58	3.23	3.84

SF LFC – Leaf Collector (SF-TPUW-HW Heavy Wall 0.045")

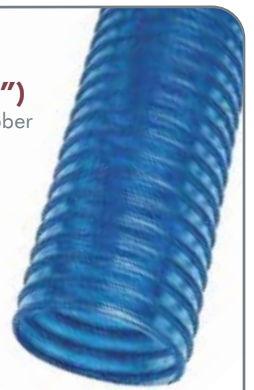
An economical alternative to cumbersome rubber hose. Polyurethane wall for superior abrasion resistance. UV stabilized for outdoor use. Lightweight, good flexibility, smooth interior for optimum flow. Encapsulated wire helix.

Applications

Leaf collection equipment
 Medium duty material handling
 Plant debris collection

Construction

Product code: 9SFTPUWHW
 Material: 0.045" translucent blue urethane, encapsulated wire
 Diameters: 2" to 18"
 Weight: 6" = 1.4 lbs/ft, 8" = 1.9 lbs/ft
 Lengths: 25 ft & 50 ft to 8", 25' to 10" diam. and up
 Compression Ratio: 2:1
 Temperature range: -65°F (-54°C) to +200°F (93°C)
 Colour: Blue with blue wear strip
 *Available in 0.060" gauge clear 8" to 14" diam.



I.D.	2	3	4	5	6	8	10	12
Working Pressure/PSI	35	30	21	18	16	14	10	8
Negative Pressure Inch. H.g	30	30	30	26	23	13	6	5
Weight per Foot	.33	.9	.98	1.1	1.4	1.7	2.8	3.2

rugged service conditions of abrasive material handling. products for heavy duty service

SF-TPR-DC (Duct Cleaning)

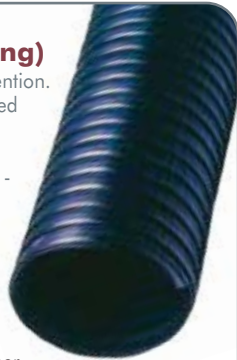
Crush resistant duct with excellent shape retention. Extremely flexible and compressible. Enhanced chemical resistance of TPR with an extremely smooth interior for superior flow. Heavy duty external wear strip protects against abrasion - but will not scuff or mark surfaces. No wire.

Applications

Industrial and residential duct cleaning.
In-plant dust control; shop vacuum systems.
Chemical fume control.

Construction

Product code: 9SFTPRX_DC
Material: 0.045" extruded thermo plastic rubber
Diameters: 3" to 10"
Temperature range: -60°F to +250°F
Weight: 1.8 lbs - 8" diam.
Lengths: 25 & 50 ft. up to 8", 10"-25 ft.
Compression Ratio: 2:1
Colour: Black with black external wear strip.
Temperature range: -60°F (-51°C) to +250°F (121°C)



I.D.	3	4	5	6	8	10
Working Pressure/PSI	7.5	7.3	7.2	7	6.7	5.5
Negative Pressure Inch. H.g	24	20	16	12	5	4.5
Weight per Foot	.85	.93	1.16	1.2	1.9	2.08

Novaflex AP60 (All Purpose)

An extremely flexible and compressible all around heavy duty duct. With enhanced chemical and temperature resistance of TPR, with an extremely smooth interior for superior flow. A heavy duty external wire encapsulated wear strip protects against abrasion - but will not scuff or mark surfaces.

Applications

Industrial cleaning,
In-plant dust control,
Shop vacuum systems,
Chemical fume control.

Construction

Product code: 9NFAP60
Material: 0.060" extruded thermo plastic rubber
Diameters: 2" to 12"
Weight: 1.1 lbs/ft - 6" diam.
Lengths: 25 ft & 50 ft to 8" diam., 25' - 10" diam. and up
Compression Ratio: 2:1
Temperature range: -60°F (-51°C) to +225°F (107°C)
Colour: Black, with black external wear strip.



I.D.	2	3	4	5	6	8	10	12
Working Pressure/PSI	8.5	7.5	7.3	7.2	7	6.7	5.5	4.7
Negative Pressure Inch. H.g	26	24	20	16	12	5	4.5	4
Weight per Foot	.4	.55	.8	.93	1.1	1.5	2.4	2.7



ULTRA HIGH TEMPERATURE SERVICE

High temperature service ducting up to 1800°F provide flexible alternatives for
Designed to be used in fume extraction systems where a negative pressure fan

U-Lok 1000*

A highly flexible duct made of a fine wire reinforced (E-Glass ceramic cloth) that is chemically treated and coated. Ideal for higher temperature fume recovery.

Applications

High temperature fume recovery
Scuff resistant
Flame resistant

*Air Velocity should be less than 50 m/sec.

*A negative pressure fan system with ambient air inlet is recommended to maximize effectiveness and life of duct. It is important to size the duct diameter according to the exhaust output.

*Not recommended for diesel fume applications

Construction

Product code: 3UL1000

Material: Alumina coated, textile glass, fabric reinforced with a fine V4A wire.

Construction: Mechanical bond, galvanized steel helix

(also available stainless steel helix).

Diameters: 3" to 24" I.D. Larger sizes available.

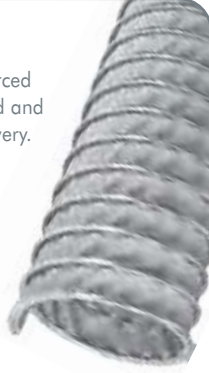
Weight: 6" I.D. = 1.01 lbs/ft. Length: 25 ft.

Compression Ratio: 3"-4" = 4:1

Temperature range -200°F (-129°C) to +1000°F (538°C). Intermittent.

Colour: Metallic Grey

I.D.	3	4	5	6	8	10	12
Working Pressure/PSI	6.8	3.7	3	2.3	1.4	1	.75
Negative Pressure Inch. H.g	4.5	2.1	1.6	1.2	.7	.45	.3
Weight per Foot	.56	.74	.84	.9	1.1	1.5	1.7



U-Lok 1500*

A more robust, two ply high temperature service duct. Two plies high temperature resistant coated fabric offers a longer service life.

Applications

Hot air extraction
Heat shield or compensator
Furnace construction
Iron and steel works

*Air velocity should be less than 50m/sec

Construction

Product code: 3UL1500

Material: Alumina coated, textile glass fabric reinforced with fine V4A wire.

Construction: Mechanical bond, galvanized steel helix

Diameters: 4" to 24" I.D. Larger sizes available.

Weight: 6" I.D. = 2.01 lbs/ft.

Length: 25 ft.

Compression Ratio: 4:1

Temperature range: -200°F -129°C) to +1500°F (816°C). Intermittent.

Colour: Grey

I.D.	4	5	6	8	10	12
Working Pressure/PSI	3.7	3	2.3	1.4	1	.75
Negative Pressure Inch. H.g	2.1	1.6	1.2	.7	.45	.3
Weight per Foot	1.14	1.38	1.9	2.48	3.38	4.48



GARAGE EXHAUST - INDOOR FUME CONTROL

Silicone - Hot air and vehicular Exhaust Extraction duct economical high temperature
NovaFlex offers a wide range of silicone coated ducting for stationary to

U-Lok 401/U-Lok 420

The combination of standard external helix as a scuff guard and a non-glue construction results in the industry standard high-temperature duct.

Applications

Gas exhaust control, Hot fume control
Hot air supply and removal

*A negative pressure fan system with ambient air inlet is recommended to maximize effectiveness and life of duct. It is important to size the duct diameter according to the exhaust output.

*Not recommended for diesel fume applications

Construction

Product code: 3UL401X / 3UL420X

Material: Fiberglass/Silicone

U-Lok 420 with additional silicone coating

Construction: Mechanical bond, corrosion resistant helix.

Diameters: 2" to 24" I.D.

Bend radius: = 1.5"x I.D.

Weight: 6" I.D. = 1.1 lbs/ft. Length: 25 ft.

Compression Ratio: 5:1

Temperature range: -65°F (-54°C) to +500°F (260°C) intermittent.

*Also available with stainless steel helix

Colour: Metallic Grey

I.D.	2	3	4	5	6	8	10	12
Working Pressure/PSI	8	6.8	3.7	3	2.3	1.4	1	.75
Negative Pressure Inch. H.g	7	4.5	2.1	1.6	1.2	.7	.45	.3
Weight per Foot	.24	.34	.4	.5	.68	.98	1.02	1.26



U-Lok 440 HR

Single-ply economical silicone/fiberglass duct designed for vehicular exhaust extraction and high temperature air transfer. Ultra flexible mechanical lock construction provides superior tear and tensile strength and eliminates wire movements found in traditional single-ply duct. Air tight construction. Uniform flexibility and compressibility reduces exhaust turbulence and pressure loss.

Applications

High temperature air supply and removal
Garage fume control, Combustion by-products

*A negative pressure fan system with ambient air inlet is recommended to maximize effectiveness and life of duct. It is important to size the duct diameter according to the exhaust output.

Construction

Product code: 3UL440HR

Material: Medium gauge silicone coated fiberglass

Construction: Mechanical lock, external steel scuff guard

Diameters: 2" to 12", Weight: 6" I.D. = 1.1lbs/ft

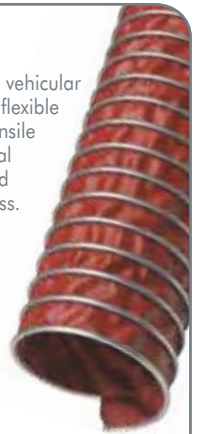
Length: 25ft

Compression Ratio: 5:1

Temperature range: -60°F (-51°C) to +500°F (260°C)

Colour: Orange/red with black external scuff guard

I.D.	2	3	4	5	6	8	10	12
Working Pressure/PSI	8	6.8	3.7	3	2.3	1.4	1	.75
Negative Pressure Inch. H.g	7	4.5	2.1	1.6	1.2	.7	.45	.3
Weight per Foot	.37	.55	.74	.92	1.1	1.5	1.88	2.25



ultra high temperature applications.
can be incorporated downstream from the heat and fume source.

U-Lok 2000*

This flexible three ply ceramic V4A/SS reinforced duct is designed for ultra high temperature resistance 3 ply with ceramic textile filler.

Applications

Fume exhaust systems where a negative pressure system is incorporated
Engine testing vehicle maintenance, indoor environment
High temperature fume recovery
Heat shield or compensator
Furnace construction
Iron and steel works

*Air velocity should be less than 50m/sec

Construction

Product code: 3UL2000
Material: Alumina coated, textile glass fabric reinforced with fine V4A wire, coated E-Glass ceramic cloth filler.
Construction: Mechanical bond, steel helix.
Diameters: 4" to 24" I.D.
Weight: 6" I.D. = 2.2 lbs/ft.
Length: 25 ft.
Compression Ratio: 3:1
Temperature range: Working temperature: -200°F (-129°C) to +1500°F (816°C).
(Intermittent to +1832°F (1000°C))
Colour: Metallic Grey

I.D.	4	5	6	8	10	12
Working Pressure/PSI	3.7	3	2.3	1.4	1	.75
Negative Pressure Inch. H.g	2.1	1.6	1.2	.7	.45	.3
Weight per Foot	1.56	2.16	2.4	3.38	4.32	5.04



U-Lok 431

For superior fume control Novaflex offers a range of ultra high performance material. Even the most noxious fumes can be contained to meet today's stringent health and environmental requirements. Novaflex U-Lok 431, FKM coated polyester duct, provides increased strength for hose reel applications and enhanced chemical fume resistance. U-Lok 431 provides good exhaust temperature resistance.

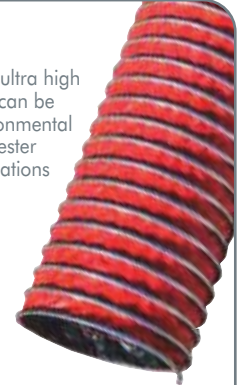
Applications

Highly corrosive fumes
Hot exhaust
High temperature where silicone is not permitted
Diesel exhaust extraction where temperature permits.
*Please consult factory for proper duct sizing.

Construction

Product code: 3UL431
Material: Polyester/FKM coated
Construction: Mechanical bond, corrosion resistant helix
Diameters: 3" to 24" I.D. Larger sizes available
Bend Radius: 1.5 x I.D.
Weight: 6" I.D. = .9 lbs/ft
Length: 25 ft.
Compression Ratio: 4:1
Temperature range: Working temperature: -60°F (-51°C) to +400°F (204°C).
(Intermittent to +500°F (260°C))
Colour: Red orange

I.D.	3	4	5	6	8	10	12
Working Pressure/PSI	5	3.7	3	2.3	1.4	1	.75
Negative Pressure Inch. H.g	3.2	2	1.5	1	.75	.4	.25



temperature exhaust ducting for lower velocity applications up to 500°F
constant flexing applications in single and double ply styles.

MBSF - Silicone Fiberglass

2 ply silicone fiberglass exhaust extraction duct.
This premium duct is constructed of 2 ply woven fiberglass coated with silicone rubber. The inner and cover plies are high temperature bonded and wire encapsulated to provide maximum flexibility and serviceability.

Applications

Medium pressure hot air-handling
Handling of combustion by-products
Economical style for stationary or low movement exhaust control

Construction

Product code: 3MBSFX
Material: Silicone coated fiberglass - 2 plies
Construction: Molecular bonded, wire encapsulated
Diameters: 2" to 24" I.D.
Weight: 6" ID = .9 lbs/ft
Length: 24 ft., longer lengths available
Compression Ratio: 2:1
Temperature range: -60°F (-51°C) to +500°F (260°C) (+600°F (315°C) intermittent)
Colour: Orange/Red
*Available with external wearstrip
*Not recommended for hose reels - see MB-SN Silicone Nomex® Style

I.D.	2	3	4	5	6	8	10	12
Working Pressure/PSI	24	19	16	14	11	7	5	4
Negative Pressure Inch. H.g	20	14	10	8	6	3	1.5	1
Weight per Foot	.3	.45	.6	.75	.9	1.2	1.5	1.8



Silicone Nomex® Duct For use with hose reels

2 ply silicone nomex exhaust extraction duct offers the added strength and durability required to sustain constant flexing or use on hose reels.

Applications

High temperature air movement
Exhaust hose reels
Garage fume control involving constant flexing

Construction

Product code: MBSNR
Material: 1 ply silicone coated fiberglass, 1 ply Nomex
Construction: molecular, bonded wire encapsulated
Diameters: 2" to 24" I.D.
Weight: 6" ID = .9 lbs/ft
Lengths: 12 to 24 ft., longer lengths available
Compression Ratio: 2:1
Temperature range: -60°F (-51°C) to +500°F (260°C) (+600°F (315°C) intermittent)
Note: all silicone ducts are available with 1 or 2 ply with or without external wearstrip.
Colour: Orange/Red
*Nomex is a registered trademark of the E.I. DuPont Company

I.D.	2	3	4	5	6	8	10	12
Working Pressure/PSI	50	45	40	35	30	15	8	4
Negative Pressure Inch. H.g	20	14	10	8	6	6	4	4
Weight per Foot	.3	.45	.6	.75	.9	1.2	1.5	1.8



MEDIUM DUTY FUME CONTROL

Ultra flexible lightweight ducts designed specifically for industrial chemical fume control applications

U-Lok 500

This nylon polyamid duct provides good chemical resistance at an affordable price. With an excellent gas permeability rating this product is ideal for containing noxious odors and gases.

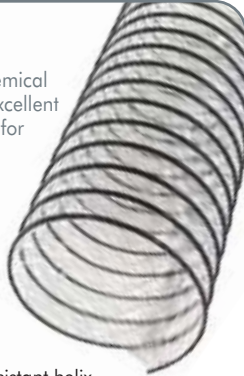
Applications

Chemical fume control
Clean room
Visual monitor, sight gauge
Painting
Laboratory

Construction

Product code: 3UL500X
Material: Nylon/Polyamid (clear)
Construction: Mechanical bond, corrosion resistant helix
Diameter: 3" to 24" I.D. Larger sizes available
Weight: 6" I.D. = .8 lbs/ft
Length: 25ft
Compression Ratio: 6:1
Temperature Range: -40°F (-40°C) to +250°F (121°C)
Colour: Clear

I.D.	3	4	5	6	8	10	12
Working Pressure/PSI	4.3	4	3.6	3.5	3	2.2	1.8
Negative Pressure Inch. H.g	3.2	2.7	2.4	2.2	1.8	1.6	1.25
Weight per Foot	.4	.53	.66	.8	1.9	1.36	1.63



PVCX with static wire

"Easy to ground" Light weight PVC
Lightweight translucent PVC duct has an easily accessible static grounding wire. Economical dust and wood particle collection duct.

Applications

Good resistance to oil, alkali and acids
Extremely flexible with good abrasion resistance
Clear construction for visual monitoring

Construction

Product code: 9SFPVCX_SW
Temperature range: -20°F (-29°C) to +165°F (74°C)
Lengths: 25 & 50 ft.
Sizes: 2" to 12"
Clear with rigid helix and static wire. FDA material.

I.D.	2	3	4	5	6	8
Working Pressure/PSI	18	14	13.3	12.6	12	10.7
Negative Pressure Inch. H.g	28	24	24	19	14	5
Weight per Foot	.65	.7	.72	1	1.3	1.5



SPECIALTY FUME CONTROL

For superior fume control service NovaFlex offers a range of ultra high Even the most noxious fumes can be contained to meet today's stringent health

U-Lok 1100

An extremely versatile combination of fiberglass and PTFE. Ultra flexible for tight bends.

Applications

Highly corrosive fumes
Hot exhaust
High temperature where silicone is not permitted
Resists over 3,000 chemicals
Diesel exhaust extraction where temperature permits. *Not suitable for wet fumes

Construction

Product code: 3UL1100
Material: Fiberglass/PTFE coated
Construction: Mechanical bond, stainless steel helix
Diameters: 3" to 24" I.D. Larger sizes available
Bend Radius = 1.5 X I.D.
Weight: 6" I.D. = .9 lbs/ft
Length: 25ft
Compression Ratio: 4:1
Temperature Range: -65°F (-54°C) to +500°F (260°C)
Colour: Grey

I.D.	3	4	5	6	8	10	12
Working Pressure/PSI	5	3.75	3	2.3	1.4	1	.75
Negative Pressure Inch. H.g	3.2	2	1.5	1	.75	.4	.25
Weight per Foot	.45	.6	.75	.9	1.2	1.5	1.8



U-Lok 1105

This duct is chemical resistant and food grade quality. It is clear for visual monitoring and offers the high performance of Teflon®.

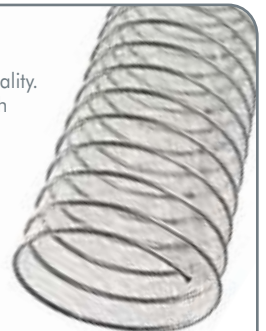
Applications

Severe duty fume control
High temperature fume control
Ideal for wet fumes
Chemical pharmaceutical pellets and dust
FDA Rated Material

Construction

Product code: 3UL1105
Material: Ultra high performance Teflon® PFA film
Construction: Mechanical bond, stainless steel helix
Diameters: 3" to 24" I.D. Larger sizes available
Bend Radius = 1.5 X I.D.
Weight: 6" I.D. = 1.09 lbs/ft
Length: 25ft
Compression Ratio: 6:1
Temperature Range: -65°F (-54°C) to 500°F (260°C)
® Teflon is a registered trademark of DuPont.
Colour: Clear to translucent

I.D.	3	4	5	6	8	10	12
Working Pressure/PSI	7	4	3.6	3.5	3	2.2	1.8
Negative Pressure Inch. H.g	3.2	2.7	2.4	2.2	1.8	1.6	1.25
Weight per Foot	.55	.73	.91	1.09	1.48	1.85	2.22



Exhaust System Accessories

U-Lok 621

With the added polyester reinforcement U-Lok 621 is an all around fume and dust control duct. Available in medium gauge for added strength.

Applications

Acid fumes
Exhaust hoods
Light material handling

Construction

Product code: 3UL621X
Material: Polyester single fabric coated with vinyl
Construction: mechanical bond, corrosion resistant helix
Diameters: 3" to 24" I.D. Larger sizes available
Bend Radius: = 1.5 X I.D.
Weight: 6" I.D. = .85 lbs/ft
Length: 25 ft
Compression Ratio: 6:1
Temperature Range: -20°F (-29°C) to +160°F (71°C)
Colour: Yellow



I.D.	3	4	5	6	8	10	12
Working Pressure/PSI	3.6	3.2	2.7	2.6	1.8	1.4	1.2
Negative Pressure Inch. H.g	2	1.8	1.3	1.2	1.1	.73	.6
Weight per Foot	.43	.57	.71	.85	1.13	1.42	1.7

performance materials. and environmental requirements.

U-Lok 1115

An extremely flexible duct designed specifically to handle today's extremely noxious fumes including fluorine. Ideal for both wet fumes and dry fumes.

Applications

Good abrasion resistance for exhaust with particulate
Good tear and puncture resistance
Excellent cold temperature resistance
Diesel exhaust extraction where temperature permits
Extreme chemical resistance

Construction

Product code: 3UL1115
Material: 100% PTFE
Construction: Double ply bonded film mechanical lock, stainless steel helix
Diameters: 4" to 24" I.D. larger sizes available
Bend radius: 1.5 x I.D.
Weight: 6" I.D. = .9 lbs/ft
Length: 25 ft
Compression: 4:1
Temperature Range: -200°F (-129°C) to +400°F (204°C). Continuous +500°F (260°C) (intermittent)
Colour: Blue, also available in black



I.D.	4	5	6	8	10	12
Working Pressure/PSI	4	3	2.3	1.4	1	.75
Negative Pressure Inch. H.g	2.1	1.6	1.2	.6	.4	.3
Weight per Foot	.6	.75	.9	1.2	1.5	1.8

The life of all fabric ducts can be greatly extended when sized correctly according to equipment exhaust requirements. Novaflex offers a complete line of fittings and accessories for use in exhaust systems. Where exhaust fume leakage is of concern a negative pressure fan system should be incorporated. Please consult a Novaflex factory salesperson for correct sizing for diesel, caustic or high velocity exhaust applications. This will also aid in reducing exhaust temperatures and static pressures.



GEAR CLAMPS

Stainless steel, 9/16" wide band, available in sizes 3" to 24".

BRIDGE CLAMPS

For superior sealing. Stainless steel, 9/16" wide band, available in sizes 3" to 24".

COUPLINGS - DUCT MENDER

Available in galvanized or stainless steel.

FUME HOOD

For venting fumes, smoke and noxious odors.

DOUBLE WALL FITTINGS

To provide a secure end connection on insulated products.

ELBOWS

Used in bends to mitigate premature duct wear.

REDUCERS INCREASERS

Used to accommodate varying duct and fitting diameters

WELDING EXHAUST / UTILITY BLOWER DUCT

Welding Exhaust Ducting, designed specifically for improved indoor air quality. Utility Blower Duct is designed to carry large volumes of warm or cold air in indoor or outdoor environments.

U-Lok 4700

Welding exhaust high temperature fume extraction. This 2-ply heavy duty duct provides high temperature service and extra durability.

Applications

High temperature exhaust in hot environments
Ideal for removal of welding fumes
Very flexible, ideal for difficult installs
Outer aluminized fiberglass deflects heat

**Not recommended for contact with sparks or slag*

Construction

Product code: 3UL4700 (Also available: 3UL700 Tri-laminate fiberglass coated with aluminized polyester/polyamid)
Material: Inner skin: Silicone coated fiberglass
Outer skin: Tri-laminate fiberglass coated with aluminized polyester/polyamid
Available w/stainless steel helix
Construction: Mechanical bond, corrosion resistant helix.
Diameters: 4" to 24" I.D.
Bend Radius = 1.5 X I.D.
Weight: 6" I.D. = 1.34 lbs/ft
Length: 25ft
Compression Ratio: 4:1
Temperature Range: -20°F (-29°C) to +600°F (315°C)
Colour: Metallic Silver

I.D.	3	4	5	6	8	10	12
Working Pressure/PSI	4.3	4	3.6	3.5	3	2.15	1.8
Negative Pressure Inch. H.g	3.2	2.7	2.4	2.2	1.8	1.6	1.25
Weight per Foot	.69	.9	1.13	1.35	1.83	2.3	2.75



Flame Retardant TPR

This flame retardant welding fume extraction duct and cable cover is designed specifically for welding environments including sparks and slag.

Applications

Flexibility allows fit around tight corners and limited spaces
Ideal for dust and fume removal
Manufactured of UL94V-0 approved material and RoHS compliant material.
Ideal for use as flame retardant protective jacket for cables, beverage lines etc.

Construction

Product code: 9SFTPRW_FR
Material: Flame retardant thermoplastic rubber
Diameters: 2" to 12"
Weight: 6" = .77 lbs/ft
Lengths: 25 ft & 50 ft to 8" diam., 25' - 10" and up
Compression Ratio: 2:1
Temperature range: -40°F (-40°C) to +275°F (135°C), continuous, +300°F (149°C) (intermittent)
Colour: Black with Orange wear strip
**available with and without encapsulated wire*

I.D.	2	3	4	5	6	8	10	12
Working Pressure/PSI	8.5	7.5	7.3	7.2	7	6.7	5.5	4.7
Negative Pressure Inch. H.g	26	24	20	16	12	5	4.5	4
Weight per Foot	.29	.5	.6	.7	.9	1.3	1.55	1.7



Vinyl Blower Duct (Fabric Reinforced)

Fabric reinforced vinyl coated blower duct, ideal for fresh air supply. Manufactured with a molecularly bonded wearstrip for scuff resistance. An economical duct for large volume air transfer. This duct is reinforced with a spring steel helix and covered with a urethane wearstrip.

Applications

Scuff resistant
Economical
Compressible and flexible

Construction

Product code: 3ULBDVWX
Material: Polyester single fabric coated with vinyl
Construction: Single ply fabric over fully encapsulated spring steel helix with urethane wearstrip
Diameters: 6" to 24" I.D. Larger sizes available
Bend Radius = 12" diam. = 7"
Weight: 6" I.D. = .7 lbs/ft
Length 25ft
Compression Ratio: 10:1
Temperature Range: -20°F (-29°C) to +180°F (82°C)
Colour: Yellow with Black scuff guard

I.D.	8	10	12	14	16	18	20	24
Working Pressure/PSI	6	5	5	4	4	3	2	1
Negative Pressure Inch. H.g	6	6	3	3	1	1	1	1
Weight per Foot	.75	.83	1	1.16	1.33	1.5	1.66	2



Clear Extruded PVC Blower Duct

All extruded PVC Blower duct provides an economical alternative to fabric reinforced blower duct. With a 0.045" gauge wall with spring steel wire, this product is as robust as they come. Rot and mildew resistant. Clear wall is unobtrusive. Excellent for inflatable amusements, tents, etc.
**Also available in regular thermoplastic rubber (TPR and Flame Retardant TPR) for higher temperature applications.*

Applications

A/C Ventilation, Blower hose
Event Tents, HVAC, Fans

Construction

Product code: 9SFPVCW_BD
Material: Extruded PVC - Clear
Cover: Extruded molecularly bonded thermo plastic wearstrip
Reinforcement: Spring steel helix
Diameters: 8" to 24"
Bend Radius = 12" diam. = 7"
Weight: 24" I.D. = 3 lbs/ft
Length: 25 ft
Compression: 10:1
Temperature range: -20°F (-29°C) to 165°F (74°C)
- PVC style * -40°F (-40°C) to 275°F (135°C) TPR-FR style
Colour: Clear with Black scuff strip

I.D.	8	10	12	14	16	18	20	24
Working Pressure/PSI	10	7	6.3	5	5	4	4	2
Negative Pressure Inch. H.g	5	5	4	3	3	1	1	1
Weight per Foot	1.18	1.37	1.76	2.05	2.35	2.64	2.9	3



TEMPERATURE LOSS PROTECTION

Versatile insulated flexible ducting for temperature loss protection. Combine any NovaFlex ducting to meet specific application needs

U-Lok 900

A hose designed to move hot air from source to site of use, with minimal heat loss. Double jacketed and insulated with 1 inch of fiberglass insulation.

Applications

Plastics, industry, drying
Glass drying
Outdoor heaters
Cold air supply
Hot air supply

Construction

Product code: 3UL900X

Material: Outer: Polyester/Neoprene - U-Lok 100
Inner: Silicone/Fiberglass - U-Lok 401

Construction: Two ply fabric over fully encapsulated spring steel helix

Diameters: 2" to 20" I.D. Larger sizes available

Bend Radius = 2 X I.D.

Weight: 6" I.D. = 2.1lbs/Ft

Length; 12ft

Temperature Range: -65°F (-54°C) to +600°F (315°C)

**available in other inner and outer jacket configurations and high temperature insulation*

Colour: Black outer, Grey inner ply

I.D.	3	4	5	6	8	10	12
Working Pressure/PSI	4.3	4	3.6	3.5	3	2.15	1.8
Negative Pressure Inch. H.g	3.2	2.7	2.4	2.2	1.8	1.6	1.25



Double Wall Fitting

Designed specifically for U-Lok 900 style insulated duct.

Fitting provides for a secure connection of inner and outer jackets while sealing off the insulation layer.

Novaflex can provide many double wall insulated duct configurations to meet specific application needs.



EXTRUDED MATERIAL HANDLING HOSE

NovaFlex extruded thermoplastic material handling hoses provide an economical alternative to cumbersome rubber hose.

SF-AGRI

A flexible, chemical resistant hose featuring a thermoplastic rubber tube and a molecularly bonded polypropylene helix. This hose has a heavy duty wall with superior chemical resistance that is ideal for dry and wet fertilizers. Green external helix for safety. Smooth interior for optimum product flow. Uniform chemical and temperature resistance.

Applications

Agricultural fertilizers
Marine
Liquid waste - septic tank service
Dewatering
Swimming pool maintenance
Water discharge
Medium duty material handling

Construction

Product code: 9SFAGR
Material: Thermoplastic rubber
Diameters: 1" to 6"
Weight: 3" I.D. = 1.2 lbs/ft
Lengths: Diameters 1" to 4", 100 ft lengths, 6" diameter lengths of 60ft.
Temperature range: -60°F (-51°C) to +225°F (107°C)
Colour: Black with green wear strip

I.D.	1	1.5	2	3	4	6
Working Pressure/PSI	50	50	50	45	40	25
Negative Pressure Inch. H.g	29	29	29	29	29	28
Weight per Foot	.4	.46	.6	1.2	1.4	2.09



SF-HDAP

A robust all purpose thermoplastic rubber hose for dry and wet material handling. Heavy duty thermoplastic inner tube with fully encapsulated plastic, external wear strip. All extruded thermo plastic heavy wall hose. Designed for medium duty material handling where flexibility is paramount. Offers superior chemical and temperature resistance.

**Note where static charge is a concern, please refer to NF-Static Conductor style.*

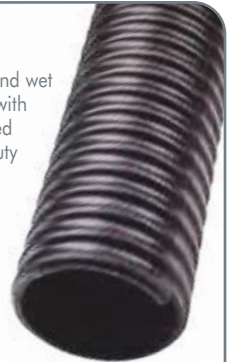
Applications

Good chemical resistance
Heavy wall for industrial use
Abrasion resistant for medium duty material handling
Smooth interior for superior product flow
A lighter weight flexible alternative to traditional rubber hoses
Industrial dirt and dust control
Medium duty material handling

Construction

Product code: 9SFHDAP
Material: thermoplastic rubber
Diameters: 2" to 8"
Bend radius: 3" I.D. = 4"
Weight: 3" = 1 lbs/ft
Lengths: Diameters 2" to 4" 100ft lengths. Diameters: 5" to 8", 50 ft lengths.
Temperature range: -65°F (-54°C) to +225°F (106°C)
Colour: Black with black external helix

I.D.	2	3	4	5	6	8
Working Pressure/PSI	40	35	30	30	30	30
Negative Pressure Inch. H.g	29	29	29	28	28	27
Weight per Foot	.97	1.4	1.5	3.3	3.88	6



Nova-Green™ Urethane Hose

A lightweight urethane alternative to cumbersome PVC hose. Designed specifically for the landscaping market. Nova-Green all urethane tube provides superior abrasion resistance and excellent flexibility. The hose features a smooth interior with a uniform .045" wall gauge for even abrasion resistance throughout. The exposed rigid helix allows the hose to drag easily across surfaces when the hose is fully charged while providing protection to the hose wall.

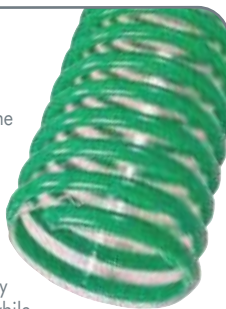
Applications

Terra-seeding, Bark Blowing
Mulch Blowing

Construction

Material: UV stabilized urethane wall, rigid plastic helix
Diameters: 2" (51 mm) to 6" (152 mm)
Lengths: 50ft. (15.24) and 100ft. (30.48 mm)
Temperature range: -50°F (-45°C) to 200°F (+93°C)
Color: Clear wall with green helix

I.D.	2	3	4	5	6
Working Pressure/PSI	35	30	21	18	16
Negative Pressure Inch. H.g	30	30	30	23	23
Weight per Foot	.8	1	1.3	1.7	1.9



NovaFlex TPU Heavy Duty Urethane Vacuum Hose

All extruded construction, light weight alternative to cumbersome rubber hose. Designed specifically for transfer of abrasive materials under vacuum.

Applications

Storage tanks barges and tankers including underwater applications in aquaculture; hatchery, pen transfer, stream release, dewatering.

Construction

Product code: 9SFTPUX_FV
Material: Extruded polyurethane wall, rigid PVC helix.
Diameters: 4" to 14"
Weight: 6" diam.=2.5 lbs./ft
Lengths: 50 ft lengths
Temperature range: -50°F (-46°C) to +200°F (93°C)
Colour: Extruded Transparent Blue TPU
Rated for full vacuum up to 6"
Available with copper static wire

I.D.	4	6	8
Vac Working Pressure/PSI	35	30	30
Discharge Working Pressure/PSI	30	25	25
Vac Working Negative Pressure Inch H.g	29	29	29
Discharge Negative Pressure Inch H.g	27	25	25
Weight per Foot	1.66	2.5	3.4



These products are ideal for use in medium pressure applications where operator ease of handling is critical.

Static Conductor* Medium Duty Material Handling Hose

A flexible conductive hose designed to allow for safe grounding during wet and dry material transfer operations. This hose is lightweight with a smooth interior for optimum flow.

Applications

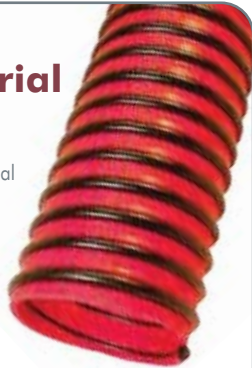
Agricultural clean up, grain, seeds etc.
Wood chipping/ leaf collection
Pellet and powder transfer
Coal dust evacuation

Construction

Product code: 9NFSCAP
Material: TPR copolymer with rigid plastic external scuff guard
Diameters: 2" to 6"
Bend radius: 4" I.D. = 4.25"
Weight per/ft: 4"=1.4lbs
Lengths: 2" to 4" 100 ft, 6" - 50 ft
Temperature Range: -40°F (-40°C) to 200°F (93°C)

*Conductivity of hose should be tested regularly. Test with OHMS meter using conductive fittings inserted into each end of hose.

Colour: Red with Black scuff guard



I.D.	2	3	4	6
Working Pressure/PSI	40	35	30	30
Negative Pressure Inch. H.g	29	29	29	28
Weight per Foot	.7	1.2	1.4	2.3

SF-TPUX

With this duct's special molecular bonded construction there is less turbulence with maximum flow efficiency. The lightweight, flexible duct will perform under the toughest conditions including low temperatures, oil and ozone and fungus. It is constructed without wire and is extremely flexible with excellent shape retention. It is highly compressible for easy storage and transportation. Constructed with FDA approved material.

Applications

Exhaust/Ventilation
Material Handling
Concrete Shot Blasting

Construction

Product code: 9SFTPUX
Temperature range: -65°F to +200°F
Compression ratio: 2:1
Standard length: 25 & 50 ft up to 8" ID, 25ft ID's over 8"
Sizes: 1" to 12" and half inch sizes: 1½", 2½", 3½", 4½" and 5½".
Clear with clear helix



I.D.	2	3	4	5	6	8
Working Pressure/PSI	35	30	21	18	16	14
Negative Pressure Inch. H.g	30	30	30	26	23	13
Weight per Foot	.4	.51	.58	.86	1.2	.93

Yellow Jack (Pumper Sanitation Hose)

All extruded heavy wall sanitation suction hose. Unique interlock construction provides for extreme flexibility and kink resistance.

Applications

Liquid transfer – sanitary and cesspool
Machine and tank liquid transfer
Utility suction operations

Construction

Product code: 9NFYLJK
Material: Eva/Polyethylene co-polymer
Diameters: 1.5", 2", 2.5", 3" and 4"
Bend radius: 2" = 3.75"
Weight: 2" = .6 lbs/ft
Lengths: diameters: 1½" to 3": 10ft, 20ft, 25ft, 30ft, 50ft, 60ft.
4" diameter: 10ft, 20ft, 25ft
Temperature range: -40°F (-40°C) to +140°F (60°C)
Colour: Yellow and Black
Available with factory installed cuffs or in bulk lengths



I.D.	1.5	2	2.5	3	4
Working Pressure/PSI	25	25	20	20	10
Negative Pressure Inch. H.g	29	29	29	29	29
Weight per Foot	.4	.6	.78	1.32	1.55



Chemical Resistance of Neoprene, Hypalon, Polyvinyl Chloride, Silicone, Polyamide, Teflon, Thermoplastic Rubber, Polyurethane

The following information is presented as a general guide only. The number of variables which can be present in any application make firm recommendations impossible. Adequate testing under actual service conditions is recommended to properly establish suitability.

Chart Rating | ■ Little or no effect | ■ Moderate effect | ■ Severe effect | ■ No data available

	Neoprene Rubber	Hypalon® Rubber	Polyvinyl Chloride	Silicone Rubber	Polyamide Nylon	Teflon	Thermoplastic Rubber	Polyurethane
Acetic Acid (30%)	■	■	■	■	■	■	■	■
Acetone	■	■	■	■	■	■	■	■
Aluminum Chloride	■	■	■	■	■	■	■	■
Aluminum Sulfate	■	■	■	■	■	■	■	■
Ammonia (ANHYD)	■	■	■	■	■	■	■	■
Ammonium Hydroxide	■	■	■	■	■	■	■	■
Ammonium Sulfate	■	■	■	■	■	■	■	■
Amyl Acetate	■	■	■	■	■	■	■	■
Barium Sulfide	■	■	■	■	■	■	■	■
Benzene	■	■	■	■	■	■	■	■
Black Sulfate Liquor	■	■	■	■	■	■	■	■
Boric Acid	■	■	■	■	■	■	■	■
Bromine	■	■	■	■	■	■	■	■
Butyl Acetate	■	■	■	■	■	■	■	■
Butyl Alcohol	■	■	■	■	■	■	■	■
Cadmium Plating Solution	■	■	■	■	■	■	■	■
Calcium Chloride	■	■	■	■	■	■	■	■
Calcium Hypochlorite	■	■	■	■	■	■	■	■
Carbon Disulfide	■	■	■	■	■	■	■	■
Carbon Tetrachloride	■	■	■	■	■	■	■	■
Chlorinated Solvents	■	■	■	■	■	■	■	■
Chloroform	■	■	■	■	■	■	■	■
Chlorine Water	■	■	■	■	■	■	■	■
Chromic Acid	■	■	■	■	■	■	■	■
Chromium Plating Solution	■	■	■	■	■	■	■	■
Citric Acid A	■	■	■	■	■	■	■	■
Copper Chloride	■	■	■	■	■	■	■	■
Copper Sulfate	■	■	■	■	■	■	■	■
Cotton Seed Oil	■	■	■	■	■	■	■	■
Cyclohexane	■	■	■	■	■	■	■	■
Creosote Oil	■	■	■	■	■	■	■	■
Diacetone Alcohol	■	■	■	■	■	■	■	■
Dowtherm (A + E)	■	■	■	■	■	■	■	■
Disodium Phosphate	■	■	■	■	■	■	■	■
Ethyl Acetate	■	■	■	■	■	■	■	■
Ethyl Alcohol	■	■	■	■	■	■	■	■
Ethylene Dichloride	■	■	■	■	■	■	■	■
Ethylene Glycol	■	■	■	■	■	■	■	■
Ferric Chloride (40%)	■	■	■	■	■	■	■	■
Ferric Sulfate	■	■	■	■	■	■	■	■
Fluoroboric Acid	■	■	■	■	■	■	■	■
Formaldehyde (40%)	■	■	■	■	■	■	■	■
Formaldehyde (over 100°F)	■	■	■	■	■	■	■	■
Formic Acid	■	■	■	■	■	■	■	■
Gasoline	■	■	■	■	■	■	■	■
Glucose	■	■	■	■	■	■	■	■
Glycerine	■	■	■	■	■	■	■	■
Heptane	■	■	■	■	■	■	■	■
Hexane	■	■	■	■	■	■	■	■
Hydrobromic Acid (40%)	■	■	■	■	■	■	■	■
Hydrochloric Acid (conc)	■	■	■	■	■	■	■	■
Hydrofluoric Acid (100%)	■	■	■	■	■	■	■	■
Hydrogen Peroxide	■	■	■	■	■	■	■	■
Hydrogen Sulfide	■	■	■	■	■	■	■	■
Isopropyl Ether	■	■	■	■	■	■	■	■
Kerosene	■	■	■	■	■	■	■	■
Lactic Acid	■	■	■	■	■	■	■	■

	Neoprene Rubber	Hypalon® Rubber	Polyvinyl Chloride	Silicone Rubber	Polyamide Nylon	Teflon	Thermoplastic Rubber	Polyurethane
Linseed Oil	■	■	■	■	■	■	■	■
Lubricating Oil	■	■	■	■	■	■	■	■
Magnesium Chloride	■	■	■	■	■	■	■	■
Magnesium Hydroxide	■	■	■	■	■	■	■	■
Maleic Oil	■	■	■	■	■	■	■	■
Methyl Alcohol	■	■	■	■	■	■	■	■
Methyl	■	■	■	■	■	■	■	■
Methylene Chloride	■	■	■	■	■	■	■	■
Mineral Oil	■	■	■	■	■	■	■	■
Naphtha	■	■	■	■	■	■	■	■
Naphthalene	■	■	■	■	■	■	■	■
Nickel Chloride	■	■	■	■	■	■	■	■
Nickel Sulfate	■	■	■	■	■	■	■	■
Nitric Acid (40%)	■	■	■	■	■	■	■	■
Nitrobenzene	■	■	■	■	■	■	■	■
Oleic Acid	■	■	■	■	■	■	■	■
Oleum	■	■	■	■	■	■	■	■
Oxalic Acid	■	■	■	■	■	■	■	■
Petroleum Oils	■	■	■	■	■	■	■	■
Phosphoric Acid (85%)	■	■	■	■	■	■	■	■
Pickling Solution	■	■	■	■	■	■	■	■
Potassium Chloride	■	■	■	■	■	■	■	■
Potassium Cyanide	■	■	■	■	■	■	■	■
Potassium Dichromate	■	■	■	■	■	■	■	■
Potassium Hydroxide (40%)	■	■	■	■	■	■	■	■
Potassium Sulfate	■	■	■	■	■	■	■	■
Propyl Alcohol	■	■	■	■	■	■	■	■
Skydrol	■	■	■	■	■	■	■	■
Skydrol 500	■	■	■	■	■	■	■	■
Sodium Chloride	■	■	■	■	■	■	■	■
Sodium Hydroxide (40%)	■	■	■	■	■	■	■	■
Sodium Hypochlorite	■	■	■	■	■	■	■	■
Steam	■	■	■	■	■	■	■	■
Sulfur Dioxide (Liquid)	■	■	■	■	■	■	■	■
Sulfuric Acid (50%)	■	■	■	■	■	■	■	■
Sulfuric Acid (over 50%)	■	■	■	■	■	■	■	■
Sulfurous Acid	■	■	■	■	■	■	■	■
Tannic Acid	■	■	■	■	■	■	■	■
Toluene	■	■	■	■	■	■	■	■
Trichloroethylene	■	■	■	■	■	■	■	■
Turpentine	■	■	■	■	■	■	■	■
Vinegar	■	■	■	■	■	■	■	■

Neoprene, Hypalon and Teflon are registered trademark of E.I. Dupont Co.

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