



# General Service Ducts for Air, Dust & Fume Control

NovaFlex® general service ducts are extremely lightweight, flexible and economical Designed for air and dust control, light material handling and fume control applications

#### **U-Lok 100**

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

#### **Applications**

Dust control Air handling

Light material handling Fume control

#### Construction:

Product code: 3UL100X

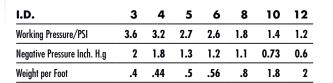
Material: Polyester fabric, Neoprene coated Construction: Mechanical bond, corrosion resistant

helix

Diameters: 2" to 24" Bend radius: =1.5 x l.D. Weight: 6" l.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



#### **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

#### AF-1

With a bonded construction and encapsulated wire this duct is non-marking lightweight and economical. Manufactured with UL94V-O 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:  $-40^{\circ}F$  ( $-40^{\circ}C$ ) to  $+250^{\circ}F$  ( $+121^{\circ}C$ )

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

9SFEVAVV (with wire)

Material: Ethyl Vinyl Acetate, extruded construction Diameters: 2" to 4"

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

# Utility Food Grade for Food, Clean Room & Air

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

#### 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)

Colour: White

\* see also extruded SF-PVC and SF-TPU duct for food grade options

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



# NovaFlex® has been pioneering innovative ways to make ducting more versatile, dependable and competitively priced for over 40 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

The information provided within is for informational purposes only. We have made every effort to ensure the accuracy of the provided information and assume no responsibility for any loss or damage due to errors or omissions or to the use or misuse of any information supplied.

It is impossible to test all products 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 products under the conditions that duplicate the service conditions prior to installation.

All improvements, all specifications are subject to change without prior notice. It is the buyer and/or end users' responsibility to review our complete Terms and Conditions of Sale located on our web sites at: www.novaflex.com | www.z-flex.com | www.flexmaster.com. Shipping Terms: F.O.B. Our warehouses

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.





# Medium Service Ducts for Plant Cleanup, Fume Control & Air

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

#### 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" diameter, 25' - 10" diameter and up

Compression Ratio: 2:1

Temperature range:  $-40^{\circ}F$  ( $-40^{\circ}C$ ) to  $+275^{\circ}F$  ( $+135^{\circ}C$ ) continuous, ( $+300^{\circ}F$  ( $149^{\circ}C$ ) intermittent)

Colour: TPRW All black, or black with yellow wearstrip. TPRX black with white wearstrip. \*(available with & 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	1.5	1.6

#### 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-O 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

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

Bend radius =  $1.5 \times I.D.$ 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 application's, 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" diameter = 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

#### AF-2

Double ply bonded construction provides enhanced positive pressure performance and durability; bidirectional construction for maximum flow efficiency. Manufactured with UL94V-O 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
8Working 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



#### 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:  $-65^{\circ}F$  ( $-54^{\circ}C$ ) to  $+200^{\circ}F$  ( $+94^{\circ}C$ )

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-O 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 Temperature 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 l.D. Weight: 6" l.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 =  $1.5 \times 1.D$ .

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 rugged service conditions of abrasiv heavy service. For higher pressure applications refer to Extruded Material Handling Hose section - page 13

#### 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

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:  $-65^{\circ}F$  ( $-54^{\circ}C$ ) to  $+200^{\circ}F$  ( $+93^{\circ}C$ )

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

### 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, temperatures oil, ozone
and fungus resistance

#### 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 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 Compression Ratio: 4:1.

Length 25 f

Temperature Range: -20°F (-29°C) to +250°F (+121°C)

Colour: Black

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



### e material handling. Novaflex® offers a wide range of Thermoplastic rubber and urethane products for

#### 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

Diameters: 3" to 10" Weight: 1.8 lbs - 8" diam.

Lengths: 25 & 50 ft. up to 8", 10"-25 ft

Compression Ratio: 2:1

Temperature range: -60°F (-51°C) to +250°F (+121°C)

Colour: Black with black external wear strip.

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" diameter 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 +1800°F provide flexible alternative for ultra high temperature applications. Designed to be used in fume extraction systems where a negative pressure fan can be incorporated downstream from the heat and fume source.

#### 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

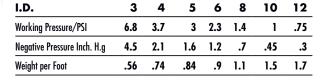
(also available stainless steel helix)

Diameters: 3" to 24" I.D. Larger sizes available Weight: 6" I.D. = 1.01 lbs/ff. Length: 25 ft

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

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

Colour: Metallic Grey



#### 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:  $-200^{\circ}F$  ( $-129^{\circ}C$ ) 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

#### 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: -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 a superior fume control Novaflex® offers a range of ultra high performance material. Even the most noxious fumes can be contained to met today's stringent health and environmental requirement. 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

Weight: 6" I.D. = .9 lbs/ft. Length: 25 ft. Compression Ratio: 4:1 Temperature range:  $-60^{\circ}$ F ( $-51^{\circ}$ C) to  $+400^{\circ}$ F ( $+204^{\circ}$ C). Intermittent to  $+500^{\circ}$ F ( $260^{\circ}$ C)

Colour: Metallic Grey

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

# **Garage Exhaust - Indoor Fume Control**

Silicone - Hot air and vehicular exhaust extraction duct economical high temperature exhaust ducting for lower velocity applications up to +500°F. Novaflex® offers a wide range of silicone coated ducting for stationery to constant flexing applications in single and double ply styles.

#### 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 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 Exhaust hose reels

Garage fume control

Combustion by-products

#### Construction

Product code: 3UL440X

Material: Medium gauge silicone coated fiberglass Construction: Mechanical lock, external steel scuff

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) intermittent

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

#### **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:- $60^{\circ}$ F (- $51^{\circ}$ C) to + $500^{\circ}$ F (+ $260^{\circ}$ C)

Intermittent: +600°F (+315°C) 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: 3MBSFR

Material: 1-ply silicone coated fibreglass,

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)

Intermittent: +600°F (+315°C)

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 polyamide 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/Polyamide (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) intermittent

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 transfucent 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) intermittent Lengths: 25 & 50 ft. Sizes: 2" to 12"

Colour: 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 performance materials. Even the most noxious fumes can be contained to met today's stringent health and environmental requirements.

#### 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, corrosion resistant

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) intermittent

Colour: Grev

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

Diameters: 3" to 24" I.D. 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) intermittent

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

#### 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

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: 6:1Temperature Range:  $-20^{\circ}F$  ( $-29^{\circ}C$ ) to  $+160^{\circ}F$  ( $+71^{\circ}C$ ) intermittent

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

#### 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, external metal

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

# **Exhaust System Accessories**

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, %16" wide band, available in sizes 3" to 24".

#### **BRIDGE CLAMPS**

For superior sealing. Stainless steel, %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 mitigated 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/polyamide) Material: Inner skin: Silicone coated fiberglass

Outer skin: Tri-laminate fiberglass coated with aluminized polyester/

polyamide

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

Ideal for dust and fume removal

Manufactured of UL94V-O 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: 3ULBDVVVX

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:  $-20^{\circ}$ F ( $-29^{\circ}$ C) to  $165^{\circ}$ F ( $74^{\circ}$ C) - PVC Style \*- $40^{\circ}$ 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



# **High Temperature Hose**

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" 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)

Colour: Black outer, Grey inner ply

\*available in other inner and outer jacket configurations and high

temperature insulation

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

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: 9SFAGRX 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	29
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

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" to 6" Lengths: 50ft. and 100ft.

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" diameter =2.5 lbs./ft. Lengths: 50 ft lengths Temperature range: -50°F (-46°C) to +200°F (+93°C)

Rated for full vacuum up to 6". Available with copper static wire

Colour: Extruded Transparent Blue TPU

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	25	25	25
Discharge Negative Pressure Inch H.g	27	25	25
Weight per Foot	1.66	2.5	3.4



## **Extruded Material Handling Hose**

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:  $-40^{\circ}F$  ( $-40^{\circ}C$ ) to  $+200^{\circ}F$  ( $+93^{\circ}C$ )

Colour: Red with Black scuff guard

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

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 performs 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 (-54°C) to +200°F (+93°C)

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".

Colour: 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



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: 11/2" 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

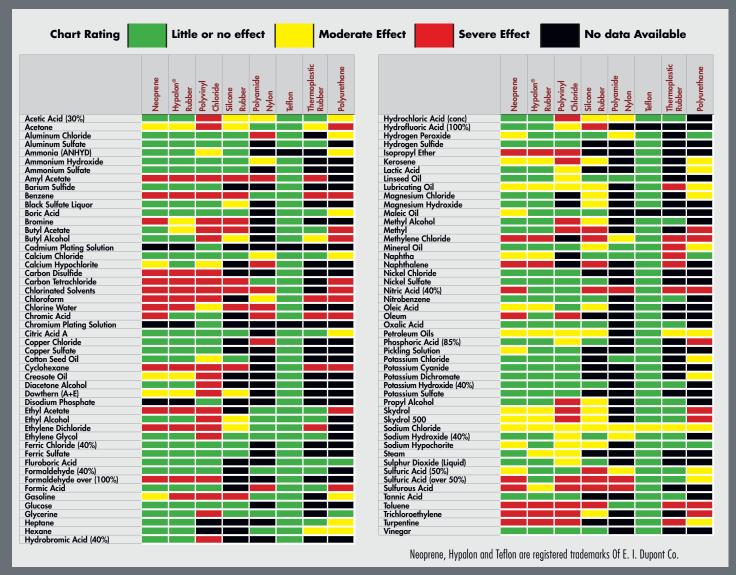
Available with factory installed cuffs or in bulk lengths

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 present in any application make firm recommendations impossible. Adequate testing under actual service conditions is highly recommended to properly establish suitability.



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