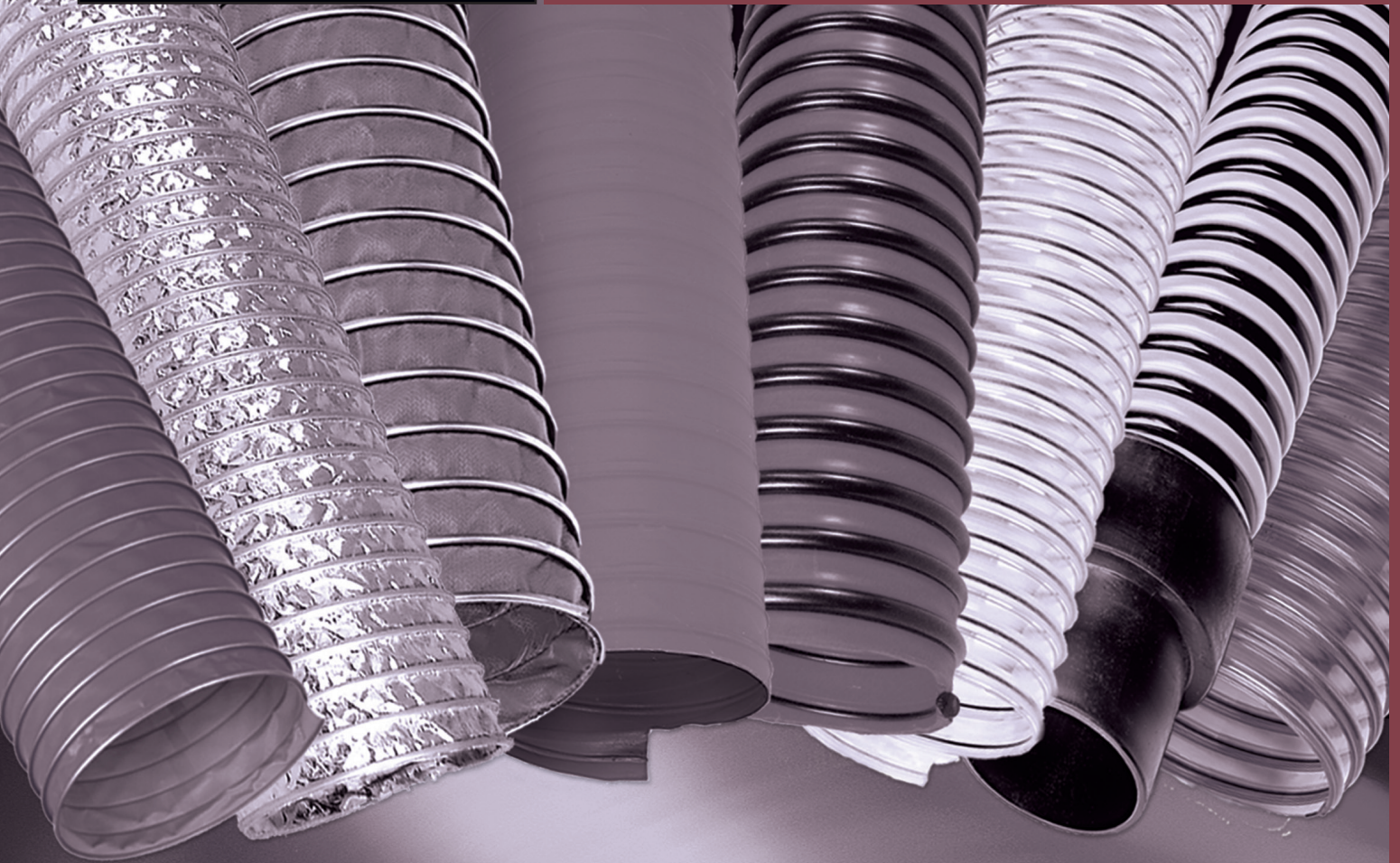




# Industrial Duct Products



## 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-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) Intermittent  
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	0.73	0.6
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) Intermittent  
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-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) Intermittent  
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) Intermittent  
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

# Novaflex® Industrial Duct Products

## Utility Food Grade for Food, Clean Room & Air

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

### U-Lok 1200 Acrylic

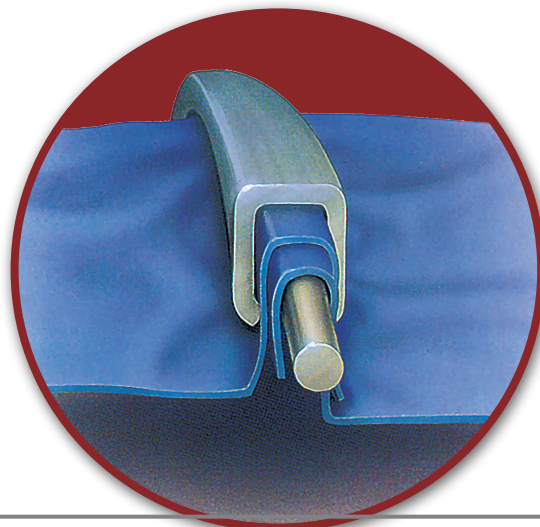
Durable medium weight utility food grade fabric duct. This product possesses good abrasion resistance and fire retardant qualities.

#### Applications

Clean room environment  
Cool or hot air supply  
Air handling, fume control  
Meets FDA regulations  
Hospitals, food establishments, computer rooms  
Meets UL94V0 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) Intermittent  
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  
Latory 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) Intermittent  
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](http://www.novaflex.com) | [www.z-flex.com](http://www.z-flex.com) | [www.flexmaster.com](http://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°F (-40°C) to +275°F (+135°C) working, (+300°F (149°C) intermittent  
Colour: TPRV 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-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) Intermittent  
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" 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) Intermittent  
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; 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) Intermittent  
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

## 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: 9SFTPUWV\_\_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) Intermittent  
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 UL94V0 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) Intermittent

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 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) Intermittent (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) Intermittent

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 abrasive products for 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  
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) Intermittent  
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) 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 (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) Intermittent  
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)

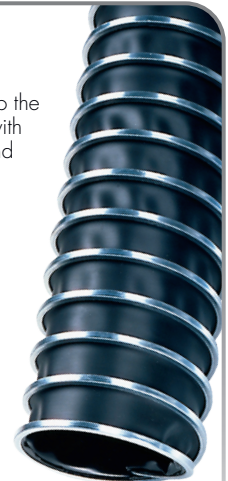
This extra heavy duty service duct will stand up to the toughest jobs. Constructed of 30 mil urethane, with an extra wide helix for added scuff resistance and strength. Great flexibility.

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

# Novaflex<sup>®</sup> Industrial Duct Products

...e material handling. Novaflex<sup>®</sup> offers a wide range of Thermoplastic rubber and urethane

## 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"  
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) Intermittent  
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) Intermittent  
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/ft. Length: 25 ft

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

Temperature range: -5°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: -5°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

### 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

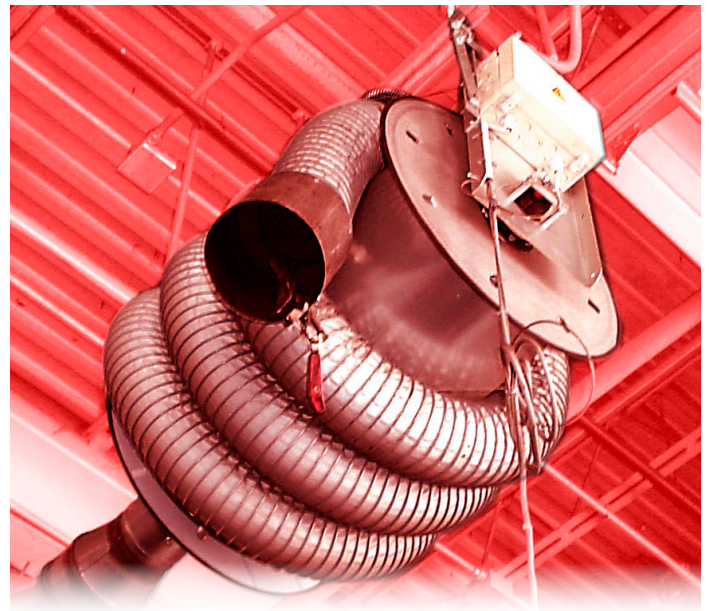
Temperature range: -5°F (-129°C) to +1500°F working (+816°C)

to +1832°F (+1000°C) Intermittent

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



# Novaflex<sup>®</sup> Industrial Duct Products

## 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<sup>®</sup> offers a wide range of silicone coated ducting for stationary 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: 3" 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 guard

Diameters: 2" to 12"

Weight: 6" I.D. = 1.1 lbs/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°F (-51°C) to +500°F (+260°C)

{Intermittent: +600°F (+315°C)}

Colour: Orange/Red

\*available with external wearstrip

Not recommended for hose reels - see MB-SN Silicone Nomex<sup>®</sup> 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<sup>®</sup> Duct

#### For use with hose reels

2-ply silicone Nomex<sup>®</sup> 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 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)

{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

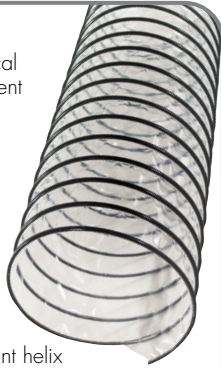
This nylon polyamide duct provides good chemical resistance at an affordable price. With an excellent gas permeability rating this product is ideal for containing noxious odors and gases.

#### 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 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) 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 meet 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 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) intermittent  
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

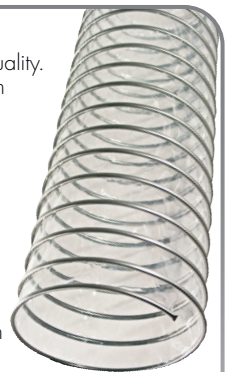
This duct is chemical resistant and food grade quality. It is clear for visual monitoring and offers the high performance of Teflon®.

#### 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) 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

## Exhaust System Accessories

### U-Lok 621

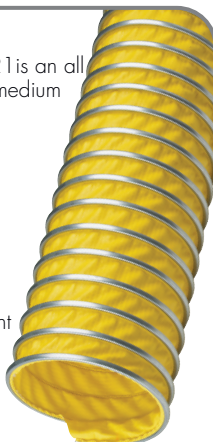
With the added polyester reinforcement U-Lok 621 is an all around fume and dust control duct. Available in medium gauge for added strength.

#### 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) 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 helix  
Diameters: 2", 2.5" and 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: -5°F (-129°C) to +400°F (+204°C).  
Working +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, 3/16" wide band, available in sizes 3" to 24".

#### BRIDGE CLAMPS

For superior sealing. Stainless steel, 3/16" 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/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) Intermittent  
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) Working, +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) Intermittent  
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) Intermittent  
PVC Style \* -40°F (-40°C) to 275°F (135°C) Intermittent - 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<sup>®</sup> 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 duct.

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

Novaflex<sup>®</sup> 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) Intermittent  
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 thermoplastic 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) Intermittent  
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) Intermittent  
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) Intermittent  
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"

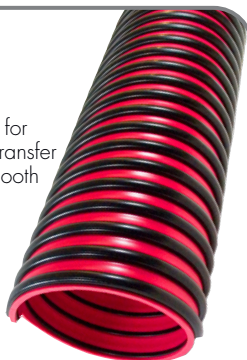
Weight per/ft: 4"=1.4lbs

Lengths: 2" to 4" 100 ft, 6" - 50 ft

Temperature Range: -40°F (-40°C) to +200°F (+93°C) Intermittent

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

### 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: 9NFYUJK

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 Intermittent)

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

### 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) Intermittent

Compression ratio: 2:1

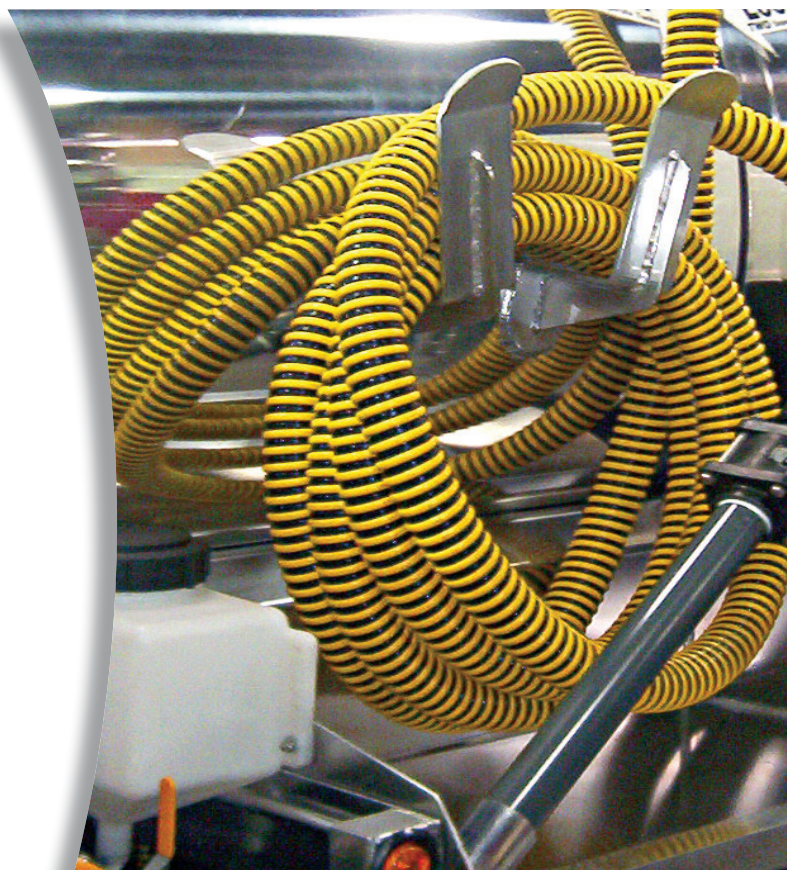
Standard length: 25 & 50 ft up to 8" ID, 25ft ID's over 8"

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



# 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 highly recommended to properly establish suitability.

**Chart Rating** ■ Little or no effect ■ Moderate Effect ■ Severe Effect ■ No data Available

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

	Neoprene	Hypalon® Rubber	Polyvinyl Chloride	Silicone Rubber	Polyamide Nylon	Teflon	Thermoplastic Rubber	Polyurethane
Hydrochloric Acid (conc)	Green	Green	Yellow	Red	Yellow	Green	Black	Red
Hydrofluoric Acid (100%)	Green	Green	Yellow	Red	Yellow	Green	Black	Red
Hydrogen Peroxide	Green	Green	Green	Green	Yellow	Green	Black	Yellow
Hydrogen Sulfide	Green	Green	Green	Green	Black	Green	Black	Yellow
Isopropyl Ether	Red	Red	Red	Red	Black	Green	Black	Yellow
Kerosene	Green	Green	Green	Green	Black	Green	Black	Yellow
Lactic Acid	Green	Green	Green	Green	Black	Green	Black	Yellow
Linseed Oil	Green	Green	Green	Green	Black	Green	Black	Yellow
Lubricating Oil	Green	Green	Green	Green	Black	Green	Black	Yellow
Magnesium Chloride	Green	Green	Green	Green	Black	Green	Black	Yellow
Magnesium Hydroxide	Green	Green	Green	Green	Black	Green	Black	Yellow
Maleic Oil	Green	Green	Green	Green	Black	Green	Black	Yellow
Methyl Alcohol	Green	Green	Red	Red	Black	Green	Black	Yellow
Methyl Chloride	Red	Red	Red	Red	Black	Green	Red	Black
Mineral Oil	Green	Green	Green	Green	Black	Green	Black	Yellow
Naphtha	Yellow	Green	Black	Red	Black	Green	Black	Yellow
Naphthalene	Red	Red	Red	Red	Black	Green	Black	Yellow
Nickel Chloride	Red	Red	Red	Red	Black	Green	Black	Yellow
Nickel Sulfate	Red	Red	Red	Red	Black	Green	Black	Yellow
Nitric Acid (40%)	Red	Red	Red	Red	Black	Green	Black	Yellow
Nitrobenzene	Red	Red	Red	Red	Black	Green	Black	Yellow
Oleic Acid	Green	Green	Green	Green	Black	Green	Black	Yellow
Oleum	Red	Red	Red	Red	Black	Green	Black	Yellow
Oxalic Acid	Green	Green	Green	Green	Black	Green	Black	Yellow
Petroleum Oils	Green	Green	Green	Green	Black	Green	Black	Yellow
Phosphoric Acid (85%)	Green	Green	Green	Green	Black	Green	Black	Yellow
Pickling Solution	Green	Green	Green	Green	Black	Green	Black	Yellow
Potassium Chloride	Green	Green	Green	Green	Black	Green	Black	Yellow
Potassium Cyanide	Green	Green	Green	Green	Black	Green	Black	Yellow
Potassium Dichromate	Green	Green	Green	Green	Black	Green	Black	Yellow
Potassium Hydroxide (40%)	Green	Green	Green	Green	Black	Green	Black	Yellow
Potassium Sulfate	Green	Green	Green	Green	Black	Green	Black	Yellow
Propyl Alcohol	Green	Green	Red	Red	Black	Green	Black	Yellow
Skydrol	Green	Green	Green	Green	Black	Green	Black	Yellow
Skydrol 500	Green	Green	Green	Green	Black	Green	Black	Yellow
Sodium Chloride	Green	Green	Green	Green	Black	Green	Black	Yellow
Sodium Hydroxide (40%)	Green	Green	Green	Green	Black	Green	Black	Yellow
Sodium Hypochlorite	Green	Green	Green	Green	Black	Green	Black	Yellow
Steam	Green	Green	Green	Green	Black	Green	Black	Yellow
Sulphur Dioxide (Liquid)	Green	Green	Green	Green	Black	Green	Black	Yellow
Sulfuric Acid (50%)	Red	Red	Red	Red	Black	Green	Red	Black
Sulfuric Acid (over 50%)	Red	Red	Red	Red	Black	Green	Red	Black
Sulfurous Acid	Red	Red	Red	Red	Black	Green	Red	Black
Tannic Acid	Green	Green	Green	Green	Black	Green	Black	Yellow
Toluene	Red	Red	Red	Red	Black	Green	Red	Black
Trichloroethylene	Red	Red	Red	Red	Black	Green	Red	Black
Turpentine	Red	Red	Red	Red	Black	Green	Red	Black
Vinegar	Green	Green	Green	Green	Black	Green	Black	Yellow

Neoprene, Hypalon and Teflon are registered trademarks Of E. I. DuPont Co.

## U.S.A.

West Berlin

New Jersey

Tel: 856.768.2275

Fax: 856.768.2385

1.800.225.0215

Indianapolis

Indiana

Tel: 317.334.1444

Fax: 317.334.1535

1.800.526.6288

Burlington

North Carolina

Tel: 336.578.2161

Fax: 336.578.5554

1.800.334.4270

Stocking Warehouse

J.W. Roberts Co

Houston, TX

Tel: 713.926.4500

Fax: 713.926.2302

## CANADA

Delta

British Columbia

Tel: 604.940.6401

Fax: 604.940.6402

Calgary

Alberta

Tel: 403.277.3115

Fax: 403.276.1309

Ajax

Ontario

Tel: 905.686.5200

Fax: 905.686.8349

Montreal

Quebec

Tel: 514.697.3701

Fax: 514.697.3767

## U.K.

Bromborough

Tel: 44.(0)151.334.0873

Wirral

Fax: 44.(0)151.334.7145

www.novaflex.com Email: sales@novaflex.com

Distributor