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

NovaFlex has been pioneering innovative ways to make ducting more versatile, dependable and competitively priced for over 30 years.

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

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

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

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

| Metric Sizes (mm) Available: | 60, 80, 90, 100, 115, 120, 140, 150, 160, 180, 200, 250 |

Please contact the factory for further details.

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

Shipping Terms: F.O.B. Our warehouses

Due to continuous improvements, all specifications are subject to change without notice.
Available in metric sizes

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

**GENERAL SERVICE DUCTS**

**AF-1**

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

**Applications**
- Air handling
- Fume control
- Dust collection
- Cool air supply

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

<table>
<thead>
<tr>
<th>I.D.</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure/PSI</td>
<td>20</td>
<td>14</td>
<td>13</td>
<td>9</td>
<td>7</td>
<td>7</td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td>Negative Pressure Inch. H.g</td>
<td>11.7</td>
<td>11.3</td>
<td>10.5</td>
<td>6.4</td>
<td>2.5</td>
<td>1.75</td>
<td>1.25</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>I.D.</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure/PSI</td>
<td>8</td>
<td>7</td>
<td>6</td>
</tr>
</tbody>
</table>

**SF-TPU**

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

<table>
<thead>
<tr>
<th>I.D.</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure/PSI</td>
<td>8</td>
<td>7</td>
<td>6</td>
<td>5</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Negative Pressure Inch. H.g</td>
<td>2.7</td>
<td>2.6</td>
<td>2.5</td>
<td>1.8</td>
<td>1.4</td>
<td>1.2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SF-TPU (Wall Gauge 0.030”)**

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

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

**Construction**
- Product code: 9SFTPU/W (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)*

<table>
<thead>
<tr>
<th>I.D.</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure/PSI</td>
<td>22</td>
<td>20</td>
<td>18</td>
<td>18</td>
<td>16</td>
<td>16</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>Negative Pressure Inch. H.g</td>
<td>29</td>
<td>29</td>
<td>26</td>
<td>21</td>
<td>16</td>
<td>6</td>
<td>5</td>
<td>4.5</td>
</tr>
</tbody>
</table>
Medium weight flexible ducting products to provide additional service life. Suitable for light duty material handling, plant cleanup, fume control and air transfer applications.

**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: 25 ft
- Compression ratio: 6:1
- Temperature range: -65°F (-54°C) to +250°F (121°C)
- Colour: Black

<table>
<thead>
<tr>
<th>I.D.</th>
<th>Working Pressure (PSI)</th>
<th>Negative Pressure (Inch. Hg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>4.3</td>
<td>3.2</td>
</tr>
<tr>
<td>4</td>
<td>3.6</td>
<td>2.7</td>
</tr>
<tr>
<td>5</td>
<td>3.5</td>
<td>2.4</td>
</tr>
<tr>
<td>6</td>
<td>3.0</td>
<td>2.2</td>
</tr>
<tr>
<td>8</td>
<td>2.15</td>
<td>1.8</td>
</tr>
<tr>
<td>10</td>
<td>1.8</td>
<td>1.6</td>
</tr>
<tr>
<td>12</td>
<td>1.8</td>
<td>1.5</td>
</tr>
</tbody>
</table>

**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: 9SFPCX, 9SFPCW (with wire)
- Wire encapsulated PVC external helix wear strip
- Diameters: 1.5" to 24"
- Bend radius = 6" diam. = 6.5"
- 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)*

<table>
<thead>
<tr>
<th>I.D.</th>
<th>Working Pressure (PSI)</th>
<th>Negative Pressure (Inch. Hg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>18</td>
<td>28</td>
</tr>
<tr>
<td>3</td>
<td>16</td>
<td>24</td>
</tr>
<tr>
<td>4</td>
<td>13.3</td>
<td>24</td>
</tr>
<tr>
<td>5</td>
<td>12.6</td>
<td>19</td>
</tr>
<tr>
<td>6</td>
<td>12.0</td>
<td>14</td>
</tr>
<tr>
<td>8</td>
<td>10.7</td>
<td>10.7</td>
</tr>
<tr>
<td>10</td>
<td>9.5</td>
<td>7</td>
</tr>
<tr>
<td>12</td>
<td>7.2</td>
<td>6.3</td>
</tr>
</tbody>
</table>

**AF-2**
Double ply bonded construction provides enhanced positive pressure performance and durability; bi-directional construction for maximum flow efficiency. Manufactured with UL94V-0 approved materials.

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

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

<table>
<thead>
<tr>
<th>I.D.</th>
<th>Working Pressure (PSI)</th>
<th>Negative Pressure (Inch. Hg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>33</td>
<td>28</td>
</tr>
<tr>
<td>3</td>
<td>23</td>
<td>27</td>
</tr>
<tr>
<td>4</td>
<td>18</td>
<td>25</td>
</tr>
<tr>
<td>5</td>
<td>14</td>
<td>18</td>
</tr>
<tr>
<td>6</td>
<td>11</td>
<td>14</td>
</tr>
<tr>
<td>8</td>
<td>10</td>
<td>8</td>
</tr>
<tr>
<td>10</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>12</td>
<td>10</td>
<td>3</td>
</tr>
</tbody>
</table>

**Available in metric sizes**
### TPU Static Dissipating

**Wall gauge 0.030”**

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

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

#### Construction
- Product Code: 9SFTPUW__SD
- Material: Static dissipating urethane
- Diameters: 2” to 12” (Larger diameters available, please contact the factory)
- Compression ratio: 2:1
- Weight: 6” I.D. = 0.84 lbs/ft, Lengths: 25 & 50 ft
- Temperature range: -65°F (-54°C) to +200°F (94°C)
- Colour: Clear with blue external helix

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

**(Heavier wall gauges)**

<table>
<thead>
<tr>
<th>I.D.</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure/PSI</td>
<td>22</td>
<td>20</td>
<td>18</td>
<td>18</td>
<td>16</td>
<td>16</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>Negative Pressure Inch. H.g</td>
<td>29</td>
<td>29</td>
<td>26</td>
<td>21</td>
<td>16</td>
<td>6</td>
<td>5</td>
<td>4.5</td>
</tr>
</tbody>
</table>

### AF-2WS

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

#### Applications
- Particle control
- Pellet and chip handling
- Areas of high vibration

#### 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: -45°F (-40°C) to +250°F (121°C)
- Colour: Black with yellow wear strip

#### Available in metric sizes

<table>
<thead>
<tr>
<th>I.D.</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure/PSI</td>
<td>33</td>
<td>23</td>
<td>18</td>
<td>14</td>
<td>14</td>
<td>11</td>
<td>10</td>
<td>8</td>
</tr>
<tr>
<td>Negative Pressure Inch. H.g</td>
<td>28</td>
<td>27</td>
<td>25</td>
<td>18</td>
<td>14</td>
<td>8</td>
<td>5</td>
<td>3</td>
</tr>
</tbody>
</table>

---

### SPECIALTY METAL TUBING / HIGH TEMP FUME CONTROL

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

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

Easy to bend into position and ultra lightweight.

#### T-Lok 3003

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

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

#### Construction
- Product code: 3UL3003
- Material: Aluminum
- Construction: Triple mechanical lock
- Diameters: 2” to 24”. (Larger sizes available on request)
- Length: 10 ft
- Bend radius = 1.5 x I.D.
- Weight: 6” I.D. = 1.02 lbs/ft (2 ply)
- Compression: 3:1
- Temperature Range: -60°F (-51°C) to +600°F (316°C)
- Colour: Clear with blue external helix

**(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, TLok 316, TLok 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

#### Construction
- Elbow replacement for low pressure

<table>
<thead>
<tr>
<th>I.D.</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure/PSI</td>
<td>33</td>
<td>23</td>
<td>18</td>
<td>14</td>
<td>14</td>
<td>11</td>
<td>10</td>
<td>8</td>
</tr>
<tr>
<td>Negative Pressure Inch. H.g</td>
<td>28</td>
<td>27</td>
<td>25</td>
<td>18</td>
<td>14</td>
<td>8</td>
<td>5</td>
<td>3</td>
</tr>
</tbody>
</table>

| 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 |
NovaFlex heavy duty service products are designed to handle the more rugged service conditions of abrasive material handling. NovaFlex offers a wide range of Thermoplastic rubber and urethane products for heavy duty service applications.

For higher pressure applications refer to Extruded Material Handling Hose section - page 12

**U-Lok 1010 & U-Lok 1020**


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

**Construction**
Product code: 3UL1010
Product code: 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

<table>
<thead>
<tr>
<th>I.D.</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure/psi</td>
<td>4.3</td>
<td>4.4</td>
<td>3.6</td>
<td>3.5</td>
<td>3</td>
<td>2.2</td>
<td>1.8</td>
</tr>
<tr>
<td>Negative Pressure Inch. H.g</td>
<td>2.7</td>
<td>2.4</td>
<td>2.2</td>
<td>2.1</td>
<td>1.8</td>
<td>1.6</td>
<td>1.25</td>
</tr>
</tbody>
</table>

**SF-TPU (Wall Gauge 0.030")**

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

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

**Construction**
Product code: 9SFTPULX
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*

<table>
<thead>
<tr>
<th>I.D.</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure/psi</td>
<td>22</td>
<td>20</td>
<td>18</td>
<td>16</td>
<td>16</td>
<td>14</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>Negative Pressure Inch. H.g</td>
<td>29</td>
<td>29</td>
<td>26</td>
<td>21</td>
<td>16</td>
<td>6</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

**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, molecularly bonded, corrosion resistant helix
Diameters: 4" to 14".
Weight: 6" I.D. = 1.9 lbs/ft
Colour: Black
Compression Ratio: 4:1.
Length: 25 ft.
Temperature Range: -20°F (-29°C) to +250°F (121°C)

<table>
<thead>
<tr>
<th>I.D.</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure/psi</td>
<td>18</td>
<td>18</td>
<td>16</td>
<td>16</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>Negative Pressure Inch. H.g</td>
<td>26</td>
<td>21</td>
<td>16</td>
<td>6</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

**SF LFC – Leaf Collector**

(SF-TPUW-HW Heavy Wall 0.045")


**Applications**
Leaf collection equipment
Medium duty material handling
Plant debris collection

**Construction**
Product code: 9SFTPUPUWHW
Material: 0.045" translucent blue urethane, encapsulated wire
Diameters: 2" to 18"
Weight: 6" I.D. = 1.9 lbs/ft
Lengths: 25 ft & 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: Blue with blue wear strip
*Available in 0.060” gauge clear 8” to 14” diam.

<table>
<thead>
<tr>
<th>I.D.</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure/psi</td>
<td>35</td>
<td>30</td>
<td>21</td>
<td>18</td>
<td>16</td>
<td>14</td>
<td>10</td>
<td>8</td>
</tr>
<tr>
<td>Negative Pressure Inch. H.g</td>
<td>30</td>
<td>30</td>
<td>26</td>
<td>23</td>
<td>13</td>
<td>6</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

**SF-TPUW (Wall Gauge 0.030”)**

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

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

**Construction**
Product code: 9SFTPULX
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*

<table>
<thead>
<tr>
<th>I.D.</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure/psi</td>
<td>22</td>
<td>20</td>
<td>18</td>
<td>16</td>
<td>16</td>
<td>14</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>Negative Pressure Inch. H.g</td>
<td>29</td>
<td>29</td>
<td>26</td>
<td>21</td>
<td>16</td>
<td>6</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

**Available in metric sizes**
SF –TPR –DC (Duct Cleaning)
Crush resistant duct with excellent shape retention. Extremely flexible and compressible. Enhanced chemical resistance of TPR with an extremely smooth interior for superior flow. Heavy duty external wear strip protects against abrasion - but will not scuff or mark surfaces. No wire.

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

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

<table>
<thead>
<tr>
<th>I.D.</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure/PSI</td>
<td>7.5</td>
<td>7.3</td>
<td>7.2</td>
<td>7.0</td>
<td>6.7</td>
<td>5.5</td>
</tr>
<tr>
<td>Negative Pressure Inch. Hg</td>
<td>24</td>
<td>20</td>
<td>16</td>
<td>12</td>
<td>5.0</td>
<td>4.5</td>
</tr>
</tbody>
</table>

Novaflex AP60 (All Purpose)
An extremely flexible and compressible all around heavy duty duct. With enhanced chemical and temperature resistance of TPR, with an extremely smooth interior for superior flow. A heavy duty external wire encapsulated wear strip protects against abrasion - but will not scuff or mark surfaces.

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

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

<table>
<thead>
<tr>
<th>I.D.</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure/PSI</td>
<td>8.5</td>
<td>7.5</td>
<td>7.3</td>
<td>7.2</td>
<td>7.0</td>
<td>6.7</td>
<td>5.5</td>
<td>4.7</td>
</tr>
<tr>
<td>Negative Pressure Inch. Hg</td>
<td>26</td>
<td>24</td>
<td>20</td>
<td>16</td>
<td>12</td>
<td>5.0</td>
<td>4.5</td>
<td>4.0</td>
</tr>
</tbody>
</table>

www.novaflex.com
High temperature service ducting up to 1800°F provide flexible alternatives 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.

**ULTRA HIGH TEMPERATURE SERVICE**

### 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.
- *Not recommended for diesel fume applications

**Construction**
- Product code: 3UL1000
- Diameters: 3” to 24” I.D. Larger sizes available.
- Weight: 6” I.D. = 1.01 lbs/ft.
- Length: 25 ft.
- Compression Ratio: 3:1
- Temperature range: -200°F (-129°C) to +1000°F (538°C). Intermittent.
- *Not recommended for diesel fume applications.

**Weight**
- 6” I.D. = 1.01 lbs/ft.

**Colour:** Metallic Grey

<table>
<thead>
<tr>
<th>I.D.</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure/PSI</td>
<td>6.8</td>
<td>3.7</td>
<td>3.2</td>
<td>2.3</td>
<td>1.4</td>
<td>1.1</td>
<td>.75</td>
</tr>
<tr>
<td>Negative Pressure Inch. H.g</td>
<td>4.5</td>
<td>2.1</td>
<td>1.6</td>
<td>1.2</td>
<td>.7</td>
<td>.45</td>
<td>.3</td>
</tr>
</tbody>
</table>

### 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 50 m/sec

**Construction**
- Product code: 3UL1500
- Diameters: 4” to 24” I.D. Larger sizes available.
- Weight: 6” I.D. = 2.01 lbs/ft.
- Length: 25 ft.
- Compression Ratio: 4:1
- Temperature range: -200°F (-129°C) to +1500°F (816°C). Intermittent.

**Weight**
- 6” I.D. = 2.01 lbs/ft.

**Colour:** Grey

<table>
<thead>
<tr>
<th>I.D.</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure/PSI</td>
<td>7.0</td>
<td>3.7</td>
<td>3.2</td>
<td>2.3</td>
<td>1.4</td>
<td>1.1</td>
<td>.75</td>
</tr>
<tr>
<td>Negative Pressure Inch. H.g</td>
<td>4.5</td>
<td>2.1</td>
<td>1.6</td>
<td>1.2</td>
<td>.7</td>
<td>.45</td>
<td>.3</td>
</tr>
</tbody>
</table>

**HIGH TEMPERATURE SYSTEMS**

**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 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**
- Automobile exhaust hose reel
- Gas exhaust control
- Hot fume control
- Hot air supply and removal
- *Not recommended for diesel applications

**Construction**
- Product code: 3UL401X
- Material: Fiberglass/Silicone
- U-Lok 420 with additional silicone coating
- Construction: Mechanical lock, corrosion resistant helix.
- Bend radius: = 1.5x 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

**Weight**
- 6” I.D. = 1.1 lbs/ft.

<table>
<thead>
<tr>
<th>I.D.</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure/PSI</td>
<td>8.0</td>
<td>6.8</td>
<td>3.7</td>
<td>3.3</td>
<td>2.3</td>
<td>1.4</td>
<td>1.1</td>
<td>.75</td>
</tr>
<tr>
<td>Negative Pressure Inch. H.g</td>
<td>7.0</td>
<td>4.5</td>
<td>2.1</td>
<td>1.6</td>
<td>1.2</td>
<td>.7</td>
<td>.45</td>
<td>.3</td>
</tr>
</tbody>
</table>

### U-Lok 440/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
- U-Lok 440 HR
- Construction: Mechanical lock, external steel scuff guard
- Diameters: 2” to 12”
- Weight: 6” I.D. = 1.1 lbs/ft.
- Length: 25 ft.
- Compression Ratio: 5:1
- Temperature range: -60°F (-51°C) to +500°F (260°C)

**Weight**
- 6” I.D. = 1.1 lbs/ft.

<table>
<thead>
<tr>
<th>I.D.</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure/PSI</td>
<td>8.0</td>
<td>6.8</td>
<td>3.7</td>
<td>3.3</td>
<td>2.3</td>
<td>1.4</td>
<td>1.1</td>
<td>.75</td>
</tr>
<tr>
<td>Negative Pressure Inch. H.g</td>
<td>7.0</td>
<td>4.5</td>
<td>2.1</td>
<td>1.6</td>
<td>1.2</td>
<td>.7</td>
<td>.45</td>
<td>.3</td>
</tr>
</tbody>
</table>
Temperature exhaust ducting for lower velocity applications up to 500°F constant flexing applications in single and double ply styles.

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

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

Construction
Product code: 3MBSFX
Material: Silicone coated fiberglass - 2 plies
Construction: Molecular bonded, wire encapsulated
Diameters: 2" to 24" I.D.
Weight: 6" I.D. = .9 lbs/ft
Length: 24 ft., longer lengths available
Compression Ratio: 2:1
Temperature range: -60°F (-51°C) to +500°F (260°C) (+600°F (315°C) intermittent)
Colour: Orange/Red
*available with external wearstrip

Not recommended for hose reels - see MB-SN Silicone Nomex® Style

<table>
<thead>
<tr>
<th>I.D.</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure/PSI</td>
<td>24</td>
<td>19</td>
<td>16</td>
<td>14</td>
<td>11</td>
<td>7</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>Negative Pressure Inch. H.g</td>
<td>20</td>
<td>14</td>
<td>10</td>
<td>8</td>
<td>6</td>
<td>3</td>
<td>1.5</td>
<td>1</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>I.D.</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure/PSI</td>
<td>50</td>
<td>45</td>
<td>40</td>
<td>35</td>
<td>30</td>
<td>15</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>Negative Pressure Inch. H.g</td>
<td>20</td>
<td>14</td>
<td>10</td>
<td>8</td>
<td>6</td>
<td>6</td>
<td>4</td>
<td>4</td>
</tr>
</tbody>
</table>
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. = 0.8 lbs/ft
- Length: 25ft
- Compression Ratio: 6:1
- Temperature Range: -40°F (-40°C) to +250°F (121°C)
- Colour: Clear

<table>
<thead>
<tr>
<th>I.D.</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure/PSI</td>
<td>5.0</td>
<td>4.3</td>
<td>4.0</td>
<td>3.6</td>
<td>3.5</td>
<td>3.0</td>
<td>2.2</td>
<td>1.8</td>
</tr>
<tr>
<td>Negative Pressure/Inch. Hg</td>
<td>3.3</td>
<td>3.2</td>
<td>2.7</td>
<td>2.4</td>
<td>2.2</td>
<td>1.8</td>
<td>1.6</td>
<td>1.25</td>
</tr>
</tbody>
</table>

**U-Lok 600 and U-Lok 620**
Manufactured with all PVC film. An ideal all around fume control duct. Lightweight and economical. Available in 12 mil light gauge and 20 mil medium gauge wall for added strength.

**Applications**
- Clean rooms
- Fume control
- Chemical dust control
- Also suitable for light duty dust control

**Construction**
- Product code: 3UL600X (Black)
- Product code: 3UL620X (Clear)
- Material: Poly vinyl chloride, 12 mil or 20 mil
- Construction: Mechanical bond, corrosion resistant helix
- Diameter: 3” to 24” I.D. Larger sizes available
- Bend Radius = 1.5 X I.D.
- Weight: 6” I.D. = 0.75 lbs/ft
- Length: 25ft
- Temperature Range: -20°F (-29°C) to +160°F (71°C)
- Compression Ratio: 6:1

<table>
<thead>
<tr>
<th>I.D.</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure/PSI</td>
<td>3.6</td>
<td>3.2</td>
<td>2.7</td>
<td>2.6</td>
<td>1.8</td>
<td>1.4</td>
<td>1.2</td>
</tr>
<tr>
<td>UL600</td>
<td>3.9</td>
<td>3.6</td>
<td>3.2</td>
<td>2.7</td>
<td>2.2</td>
<td>1.9</td>
<td>1.6</td>
</tr>
<tr>
<td>UL620</td>
<td>3.2</td>
<td>2.7</td>
<td>2.4</td>
<td>2.2</td>
<td>1.8</td>
<td>1.6</td>
<td>1.25</td>
</tr>
<tr>
<td>Negative Pressure/Inch. Hg</td>
<td>2.7</td>
<td>2.6</td>
<td>2.2</td>
<td>2.0</td>
<td>1.7</td>
<td>1.4</td>
<td>1.1</td>
</tr>
</tbody>
</table>

**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
- Diameter: 3” to 24” I.D. Larger sizes available
- Bend Radius = 1.5 X I.D.
- Weight: 6” I.D. = 0.9 lbs/ft
- Length: 25ft
- Compression Ratio: 4:1
- Temperature Range: -65°F (-54°C) to +500°F (260°C)
- Colour: Grey

<table>
<thead>
<tr>
<th>I.D.</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure/PSI</td>
<td>5.0</td>
<td>3.75</td>
<td>3.0</td>
<td>2.3</td>
<td>1.4</td>
<td>1.0</td>
<td>.75</td>
</tr>
<tr>
<td>Negative Pressure/Inch. Hg</td>
<td>3.2</td>
<td>2.7</td>
<td>2.4</td>
<td>2.2</td>
<td>1.8</td>
<td>1.6</td>
<td>.75</td>
</tr>
</tbody>
</table>

**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
- Diameter: 3” to 24” I.D. Larger sizes available
- Bend Radius = 1.5 X I.D.
- Weight: 6” I.D. = 1.09 lbs/ft
- Length: 25ft
- Compression Ratio: 6:1
- Temperature Range: -65°F (-54°C) to 500°F (260°C)
- Teflon is a registered trademark of DuPont.
- Colour: Clear to translucent

<table>
<thead>
<tr>
<th>I.D.</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure/PSI</td>
<td>7.0</td>
<td>4.0</td>
<td>3.6</td>
<td>3.5</td>
<td>3.0</td>
<td>2.2</td>
<td>1.8</td>
</tr>
<tr>
<td>Negative Pressure/Inch. Hg</td>
<td>3.2</td>
<td>2.7</td>
<td>2.4</td>
<td>2.2</td>
<td>1.8</td>
<td>1.6</td>
<td>.75</td>
</tr>
</tbody>
</table>

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

**U-Lok 621**

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

**Applications**
- Acid fumes
- Exhaust hoods
- Light material handling

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

**I.D.** 3 4 5 6 8 10 12

<table>
<thead>
<tr>
<th>Working Pressure/PSI</th>
<th>3.6</th>
<th>3.2</th>
<th>2.7</th>
<th>2.6</th>
<th>1.8</th>
<th>1.4</th>
<th>1.2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Negative Pressure Inch. H.g</td>
<td>2</td>
<td>1.8</td>
<td>1.3</td>
<td>1.2</td>
<td>1.1</td>
<td>.73</td>
<td>.6</td>
</tr>
</tbody>
</table>

**Performance materials and environmental requirements.**

**U-Lok 1115**

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

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

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

**I.D.** 4 5 6 8 10 12

<table>
<thead>
<tr>
<th>Working Pressure/PSI</th>
<th>4</th>
<th>3</th>
<th>2.3</th>
<th>1.4</th>
<th>1</th>
<th>.75</th>
</tr>
</thead>
<tbody>
<tr>
<td>Negative Pressure Inch. H.g</td>
<td>2.1</td>
<td>1.6</td>
<td>1.2</td>
<td>.6</td>
<td>.4</td>
<td>.3</td>
</tr>
</tbody>
</table>

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, 9/16” wide band, available in sizes 3” to 24”.

**BRIDGE CLAMPS**

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

**COUPLINGS - DUCT MENDER**

Available in galvanized or stainless steel.

**FUME HOOD**

For venting fumes, smoke and noxious odors.

**DOUBLE WALL FITTINGS**

To provide a secure end connection on insulated products.

**ELBOWS**

Used in bends to mitigate premature duct wear.

**REDUCERS INCREASES**

Used to accommodate varying duct and fitting diameters.
Welding Exhaust Ducting, designed specifically for improved indoor air quality. Utility Blower Duct is designed to carry large volumes of warm or cold air in indoor or outdoor environments.

U-Lok 4700
Welding exhaust high temperature fume extraction. This 2-ply heavy duty duct provides high temperature service and extra durability.

Applications
High temperature exhaust in hot environments
Ideal for removal of welding fumes
Very flexible, ideal for difficult installs
Outer aluminized fiberglass deflects heat
*not recommended for contact with sparks or slag

Construction
Product code: 3UL4700 (Also available: 3UL700 Tri-laminate fiberglass coated with aluminized polyester/polyamid)
Material: Inner skin: Silicone coated fiberglass
Outer skin: Tri-laminate fiberglass coated with aluminized polyester/polyamid
Available w/stainless steel helix
Construction: Mechanical bond, corrosion resistant helix.
Diameters: 4" to 24" I.D.
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. 2 3 4 5 6 8 10 12
Working Pressure/PSI 4.3 4 3.6 3.5 3 2.15 1.8
Negative Pressure Ind. H.g 3.2 2.7 2.4 2.2 1.8 1.6 1.25

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

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

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

I.D. 2 3 4 5 6 8 10 12
Working Pressure/PSI 8.5 7.5 7.3 7.2 7 6.7 5.5 4.7
Negative Pressure Ind. H.g 26 24 20 16 12 5 4.5 4

Vinyl Blower Duct (Fabric Reinforced)
Fabric reinforced vinyl coated blower duct, ideal for fresh air supply. Manufactured with a molecularly bonded wearstrip for scuff resistance. An economical duct for large volume air transfer.

This duct is reinforced with a spring steel helix and covered with a urethane wearstrip.

Applications
Scuff resistant
Economical
Compressible and flexible

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

I.D. 8 10 12 14 16 18 20 24
Working Pressure/PSI 6 5 5 4 4 3 2 1
Negative Pressure Ind. H.g 6 6 3 3 1 1 1 1

Clear Extruded PVC Blower Duct
All extruded PVC Blower duct provides an economical alternative to fabric reinforced blower duct. With a 0.045" gauge wall with spring steel wire, this product is as robust as they come. Rot and mildew resistant. Clear wall is unobtrusive. Excellent for inflatable amusements, tents, etc.

*Also available in regular thermoplastic rubber (TPR and Flame Retardant TPR) for higher temperature applications.

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

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

I.D. 8 10 12 14 16 18 20 24
Working Pressure/PSI 10 7 6.3 5 5 4 4 2
Negative Pressure Ind. H.g 5 5 4 3 3 1 1 1
U-Lok 900
A hose designed to move hot air from source to site of use, with minimal heat loss. Double jacketed and insulated with 1 inch of fiberglass insulation.

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

Construction
- Product code: 3UL900X
- Material: Outer: Polyester/Neoprene - U-Lok 100
- Inner: Silicone/Fiberglass - U-Lok 401
- Construction: Two ply fabric over fully encapsulated spring steel helix
- Diameters: 2" to 20" I.D. Larger sizes available
- Bend Radius = 2 X I.D.
- Weight: 6" I.D. = 2.1lbs/Ft
- Length: 12ft
- Temperature Range: -65°F (-54°C) to +600°F (315°C)
- *available in other inner and outer jacket configurations and high temperature insulation
- Colour: Black outer, Grey inner ply

<table>
<thead>
<tr>
<th>I.D.</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure/PSI</td>
<td>4.3</td>
<td>4</td>
<td>3.6</td>
<td>3.5</td>
<td>3</td>
<td>2.15</td>
<td>1.8</td>
</tr>
<tr>
<td>Negative Pressure Inch. H.g</td>
<td>3.2</td>
<td>2.7</td>
<td>2.4</td>
<td>2.2</td>
<td>1.8</td>
<td>1.6</td>
<td>1.25</td>
</tr>
</tbody>
</table>

Double Wall Fitting
Designed specifically for U-Lok 900 style insulated duct.
Fitting provides for a secure connection of inner and outer jackets while sealing off the insulation layer.
Novaflex can provide many double wall insulated duct configurations to meet specific application needs.
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

**Construction**
Product code: 9SFAGRX
Material: Thermoplastic rubber
Diameters: 1” to 6”
Weight: 3” I.D. = 1.2 lbs/ft
Lengths: 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

<table>
<thead>
<tr>
<th>I.D.</th>
<th>Working Pressure (PSI)</th>
<th>Negative Pressure (Inch. H.g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>50</td>
<td>29</td>
</tr>
<tr>
<td>1.5</td>
<td>50</td>
<td>29</td>
</tr>
<tr>
<td>2</td>
<td>50</td>
<td>29</td>
</tr>
<tr>
<td>3</td>
<td>45</td>
<td>29</td>
</tr>
<tr>
<td>4</td>
<td>40</td>
<td>29</td>
</tr>
<tr>
<td>6</td>
<td>25</td>
<td>28</td>
</tr>
</tbody>
</table>

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

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

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

**Construction**
Product code: 9SFHDAP
Material: thermoplastic rubber
Diameters: 2” to 8”
Bend radius: 3” I.D. = 4”
Weight: 3” = 1 lbs/ft
Lengths: 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

<table>
<thead>
<tr>
<th>I.D.</th>
<th>Working Pressure (PSI)</th>
<th>Negative Pressure (Inch. H.g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>40</td>
<td>29</td>
</tr>
<tr>
<td>3</td>
<td>35</td>
<td>29</td>
</tr>
<tr>
<td>4</td>
<td>30</td>
<td>29</td>
</tr>
<tr>
<td>5</td>
<td>30</td>
<td>28</td>
</tr>
<tr>
<td>6</td>
<td>30</td>
<td>28</td>
</tr>
<tr>
<td>8</td>
<td>30</td>
<td>27</td>
</tr>
</tbody>
</table>

### NovaFlex TPU Heavy Duty Urethane Vacuum Hose
All extruded construction, light weight alternative to cumbersome rubber hose. Designed specifically for transfer of abrasive materials under vacuum.

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

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

<table>
<thead>
<tr>
<th>I.D.</th>
<th>Vac Working Pressure (PSI)</th>
<th>Discharge Working Pressure (PSI)</th>
<th>Vac Working Negative Pressure (Inch. H.g)</th>
<th>Discharge Negative Pressure (Inch. H.g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>35</td>
<td>35</td>
<td>29</td>
<td>29</td>
</tr>
<tr>
<td>6</td>
<td>30</td>
<td>30</td>
<td>29</td>
<td>29</td>
</tr>
<tr>
<td>8</td>
<td>30</td>
<td>30</td>
<td>27</td>
<td>25</td>
</tr>
</tbody>
</table>

---

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

**Applications**
- Terra-seeding, Bark Blowing
- Mulch Blowing

**Construction**
Material: UV stabilized urethane wall, rigid plastic helix
Diameters: 2” (51 mm) to 6” (152 mm)
Lengths: 50 ft. (15.24) and 100 ft. (30.48 mm)
Temperature range: -50°F (-46°C) to +200°F (+93°C)
Color: Clear wall with green wear strip

<table>
<thead>
<tr>
<th>I.D.</th>
<th>Working Pressure (PSI)</th>
<th>Negative Pressure (Inch. H.g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>35</td>
<td>30</td>
</tr>
<tr>
<td>3</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>4</td>
<td>21</td>
<td>30</td>
</tr>
<tr>
<td>5</td>
<td>18</td>
<td>30</td>
</tr>
<tr>
<td>6</td>
<td>16</td>
<td>30</td>
</tr>
</tbody>
</table>
These products are ideal for use in medium pressure applications where operator ease of handling is critical.

**Static Conductor* Medium Duty Material Handling Hose**
A flexible conductive hose designed to allow for safe grounding during wet and dry material transfer operations. This hose is lightweight with a smooth interior for optimum flow.

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

**Construction**
Product code: 9NFSCAP
Material: TPR copolymer with rigid plastic external scuff guard
Diameters: 2" to 6"
Bend radius: 4" I.D. = 4.25"
Weight per/ft: 4" = 1.4lbs
Lengths: 2" to 4" 100 ft, 6" - 50 ft
Temperature Range: -40°F (-40°C) to 200°F (93°C)
*Conductivity of hose should be tested regularly. Test with OHMS meter using conductive fittings inserted into each end of hose.
Colour: Red with Black scuff guard

<table>
<thead>
<tr>
<th>I.D.</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure (PSI)</td>
<td>40</td>
<td>35</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>Negative Pressure Inch. H.g</td>
<td>29</td>
<td>29</td>
<td>29</td>
<td>28</td>
</tr>
</tbody>
</table>

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

**Applications**
Exhaust/Ventilation
Material Handling
Concrete Shot Blasting

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

<table>
<thead>
<tr>
<th>I.D.</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure (PSI)</td>
<td>25</td>
<td>25</td>
<td>20</td>
<td>20</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Negative Pressure Inch. H.g</td>
<td>29</td>
<td>29</td>
<td>29</td>
<td>29</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Yellow Jack (Pumper Sanitation Hose)**
All extruded heavy wall sanitation suction hose. Unique interlock construction provides for extreme flexibility and kink resistance.

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

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

<table>
<thead>
<tr>
<th>I.D.</th>
<th>1.5</th>
<th>2</th>
<th>2.5</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure (PSI)</td>
<td>25</td>
<td>25</td>
<td>20</td>
<td>20</td>
<td>10</td>
</tr>
<tr>
<td>Negative Pressure Inch. H.g</td>
<td>29</td>
<td>29</td>
<td>29</td>
<td>29</td>
<td>29</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>I.D.</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure (PSI)</td>
<td>18</td>
<td>14</td>
<td>13.3</td>
<td>12.6</td>
<td>12</td>
<td>10.7</td>
<td>7</td>
<td>6.3</td>
</tr>
<tr>
<td>Negative Pressure Inch. H.g</td>
<td>28</td>
<td>24</td>
<td>24</td>
<td>19</td>
<td>14</td>
<td>5</td>
<td>5</td>
<td>4</td>
</tr>
</tbody>
</table>
The following information is presented as a general guide only. The number of variables which can be present in any application make firm recommendations impossible. Adequate testing under actual service conditions is recommended to properly establish suitability.

<table>
<thead>
<tr>
<th>Chart Rating</th>
<th>Little or no effect</th>
<th>Moderate effect</th>
<th>Severe effect</th>
<th>No data available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neoprene</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hypalon</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polyvinyl</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chloride</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silicone</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polyamide</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teflon</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thermoplastic</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rubber</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polyurethane</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Acetic Acid (98%)
- Acetic Anhydride
- Aluminum Chloride
- Aluminum Sulfate
- Ammonia (ANHYD)
- Ammonium Chloride
- Ammonium Sulfate
- Amyl Acetate
- Barium Sulfate
- Benzene
- Black Sulfite Liqueur
- Butyl Alcohol
- Cadmium Plating Solution
- Calcium Chloride
- Calcium Hypochlorite
- Carbon Bisulfide
- Carbon Tetrachloride
- Chlornated Solvents
- Chloroform
- Chlorine Water
- Chromic Acid
- Chromium Plating Solution
- Citric Acid
- Copper Chloride
- Copper Sulfate
- Cotton Seed Oil
- Cyclosilane
- Croseol
- Diacetyl Monoxide
- Diammonium Phosphate
- Dibutyl Phosphate
- Ethyl Acetate
- Ethyl Alcohol
- Ethylene Dichloride
- Ethylene Glycol
- Formic Acid
- Fusaric Chloride (40%)
- Fusaric Sulfate
- Furfural Acid
- Formaldehyde (50%)
- Formaldehyde (over 100°F)
- Gaseous
- Glucose
- Glycerin
- Heptane
- Hexane
- Hydrobromic Acid (40%)
- Hydrochloric Acid (35%)
- Hydrofluoric Acid (100%)
- Hydrogen Peroxide
- Hydrogen Sulfide
- Isopropyl Alcohol
- Kerosene
- Lactic Acid

**Note:** Neoprene, Hypalon, and Teflon are registered trademark of E.I. DuPont Co.