

# *ThorburnFlex*



## **VENTILATION DUCTING HOSE** Engineered Solutions For Pipe Motion

Canada   
[www.thorburnflex.com](http://www.thorburnflex.com)



*A Proven Leader In Flexible Piping Technology*

## Thorburn Series SLF/SLFW Ventilation Ducting Hose Assemblies



### Stores in less space with Compression Ratios SLF (16:1) & SLFW (6:1)

*Our standard external helix as a scuff guard and our non-glue construction combine to make this industry standard high temperature ventilation ducting hose*

Thorburn's SLF/SLFW Ventilation Ducting Hose is made from the latest flame resistant coatings and fabrics which are all tested to meet UL-94. The hose comes with exterior wear strips making it highly abrasion resistant, ideal for tough on the job abuse. Designed and manufactured for use with portable blowers and evacuators. Move large volumes of air with low friction loss.

#### Features:

- Highly compressible for convenient storage and easy transport
- Ideal duct for blower applications
- Dual directional airflow
- Low friction loss
- Steel wire helix reinforcement
- Wearstrip offers external abrasion resistance

#### Applications:

- Moving heated or refrigerated air
- Automobile exhaust hose reel
- Hot fume control
- Diesel and gas exhaust control
- hot air removal
- Air Duct Cleaning
- Confined Space Ventilation
- Dehumidification

#### Specifications:

##### Materials:

**SLF** (Color Grey): Fiberglass & Silicone

**SLFW** (Color Yellow): Polyester Oxford (water proof) with 1 inch (25mm) EPDM insulation.

**Construction:** Mechanical bond steel wire helix

**Size:** 4" (100DN) to 36" (900DN) ID. Larger sizes available

**Maximum Length:** SLF 50 ft (15.24 m), SLFW 20 ft (6.10 m)

**Ends:** Velcro and J-lock

**Temperature Range:** -65°F to 350°F (-53°C to 177°C)

**Compression Ratio:** SLF 16:1, SLFW 6:1



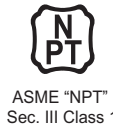
## Thorburn Series SLF/SLFW Specifications

Thorburn Part Number	Hose ID		Bend Radius		Operating Pressure		Neg. Operating Pressure		Approximate Weight			
	in	DN	in	mm	psi	bar	psi	bar	SLF		SLFW	
									lb/ft	kg/m	lb/ft	kg/m
(N)SLF(W)64	4	100	2.0	50.8	30	2.07	28	1.93	0.35	0.52	0.91	1.35
(N)SLF(W)80	5	125	2.5	63.5	24	1.65	23	1.59	0.42	0.61	1.09	1.62
(N)SLF(W)96	6	150	3.0	76.2	20	1.38	19	1.31	0.50	0.74	1.28	1.90
(N)SLF(W)112	7	175	3.5	88.9	17	1.17	10.3	0.71	0.57	0.85	1.46	2.17
(N)SLF(W)128	8	200	4.0	101.6	15	1.03	8.2	0.57	0.64	0.95	1.64	2.44
(N)SLF(W)160	10	250	5.0	127.0	14	0.97	6.1	0.42	0.78	1.16	2.01	2.99
(N)SLF(W)192	12	300	6.0	152.4	13	0.90	4.5	0.31	0.92	1.37	2.37	3.53
(N)SLF(W)224	14	350	7.0	177.8	11	0.76	4.3	0.30	1.06	1.58	2.73	4.06
(N)SLF(W)256	16	400	8.0	203.2	9.7	0.67	4.1	0.28	1.20	1.79	3.10	4.61
(N)SLF(W)288	18	450	9.0	228.6	8.6	0.59	3.9	0.27	1.34	1.99	3.46	5.15
(N)SLF(W)320	20	500	10.1	256.5	7.8	0.54	3.7	0.26	1.49	2.22	3.83	5.70
(N)SLF(W)352	22	550	11.3	287.0	7.0	0.48	3.2	0.22	1.63	2.43	4.19	6.24
(N)SLF(W)384	24	600	12.5	317.5	6.5	0.45	2.8	0.19	1.77	2.63	4.56	6.79
(N)SLF(W)480	30	750	15.7	398.8	5.2	0.36	2.4	0.17	2.19	3.25	5.65	8.41
(N)SLF(W)576	36	900	18.9	480.1	4.3	0.30	2.0	0.14	2.62	3.90	6.75	10.01

## How To Order Thorburn Ventilation Ducting Hose Assemblies

Thorburn Hose Series	Size (in)	Overall Length (ft)
<b>SLF</b>	<b>224</b>	<b>30</b>
Thorburn Ventilation Ducting Hose	14" Hose	30 feet
<p><b>SLF</b> = Fiberglass &amp; Silicone  <b>SLFW</b> = Polyester Oxford Material with 25mm EPDM insulation</p> <p>Use Prefix <b>(N)</b> for Nuclear applications at the beginning of the part number</p>	<p><b>64</b> = 4" (100DN)    <b>256</b> = 16" (400DN)  <b>80</b> = 5" (125DN)    <b>288</b> = 18" (450DN)  <b>96</b> = 6" (150DN)    <b>320</b> = 20" (500DN)  <b>112</b> = 7" (175DN)    <b>352</b> = 22" (550DN)  <b>128</b> = 8" (200DN)    <b>384</b> = 24" (600DN)  <b>160</b> = 10" (250DN)    <b>480</b> = 30" (750DN)  <b>192</b> = 12" (300DN)    <b>576</b> = 36" (900DN)  <b>224</b> = 14" (350DN)</p>	<p>Maximun Lengths  <b>SLF</b> = 50 ft (15.24 m)  <b>SLFW</b> = 20 ft (6.10 m)</p> <p>Note: Extended lengths for both models SLF &amp; SLFW can be accommodated by adding Velcro ends and attaching additional lengths together.</p>

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ISIR Romania | CNCAN Romania | EN 13480-2002 | HAF 604 China | TSG China

## Thorburn ThermaCover™ - Removable Thermal Insulation Covers



Thorburn ThermaCover™ Removable thermal insulation covers are a critical component when it comes to site safety and system stability and are used to cover valves, flanges, expansion joints, and process piping. Unlike permanent hard insulation, Thorburn soft insulation covers have the advantage of being removable and reusable, making them the insulation of choice for components that need to be accessed from time to time for maintenance and inspection.



Valves, flanges and expansion joints left uncovered can result in:

- Unnecessary process adjustment due to heat loss.
- False readings or alarms being sent to the control room.
- Equipment failures due to operation outside of normal temperature ranges.
- Degradation of product quality due to improper process temperatures.

### Benefits

- Heat retention and freeze protection.
- Personnel protection against burns from hot components.
- Energy savings from reduced heat loss to surrounding environment.
- Sound attenuation.
- Insulation Jackets are easily removable for maintenance & inspection.



### Material

**Model TCS** (Silicone Impregnated Fiberglass)

Temperature Range: -67°F (-55°C) to 500°F (260°C)

**Model TCT** (PTFE Impregnated Fiberglass)

Temperature Range: -100°F (-73°C) to 500°F (260°C)

**Usage:** Typical outer cover used in most standard insulation blanket applications. Also used as inner liner for applications < 500°F (260°C) where a fluid barrier or insulation fiber containment is desired.

*Process piping and equipment left without a properly designed thermal insulation cover can freeze and fail to properly operate.*

**Special Properties:** Flexible; flame retardant; water and oil resistant; mold resistant; chemical resistant. Typically grey or red, but other colors also available.

## How To Order Thorburn ThermaCover™

Model	Size																
<b>TCS</b>	<b>48</b>																
Silicone Impregnated Fiberglass	3 inch (DN80)																
<table border="1"> <tr> <td><b>TCS</b> = Silicone Impregnated Fiberglass</td> <td><b>32</b> = 2 in (DN50)</td> <td><b>96</b> = 6 in (DN150)</td> <td><b>224</b> = 14 in (DN350)</td> </tr> <tr> <td><b>TCT</b> = PTFE Impregnated Fiberglass</td> <td><b>40</b> = 2.5 in (DN65)</td> <td><b>128</b> = 8 in (DN200)</td> <td><b>256</b> = 16 in (DN400)</td> </tr> <tr> <td></td> <td><b>48</b> = 3 in (DN80)</td> <td><b>160</b> = 10 in (DN250)</td> <td><b>288</b> = 18 in (DN450)</td> </tr> <tr> <td></td> <td><b>64</b> = 4 in (DN100)</td> <td><b>192</b> = 12 in (DN300)</td> <td><b>320</b> = 20 in (DN500)</td> </tr> </table>		<b>TCS</b> = Silicone Impregnated Fiberglass	<b>32</b> = 2 in (DN50)	<b>96</b> = 6 in (DN150)	<b>224</b> = 14 in (DN350)	<b>TCT</b> = PTFE Impregnated Fiberglass	<b>40</b> = 2.5 in (DN65)	<b>128</b> = 8 in (DN200)	<b>256</b> = 16 in (DN400)		<b>48</b> = 3 in (DN80)	<b>160</b> = 10 in (DN250)	<b>288</b> = 18 in (DN450)		<b>64</b> = 4 in (DN100)	<b>192</b> = 12 in (DN300)	<b>320</b> = 20 in (DN500)
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