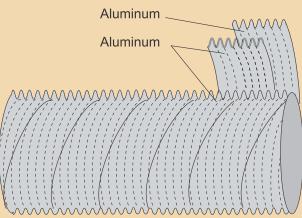
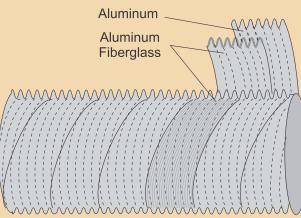
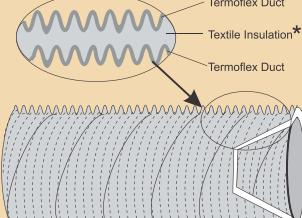




# Termoflex Line

## High technology Thermal Isolation Ducts

	Termoflex AA	Termoflex AAF	Termosand
<b>Application</b>	Thermal protection	Thermal protection	Thermal protection
<b>Composition</b>	 <p>Aluminum Aluminum</p>	 <p>Aluminum Aluminum Fiberglass</p>	 <p>Termoflex Duct Textile Insulation** Termoflex Duct</p>
<b>Raw material</b>	Aluminum/ Aluminum	Aluminum/ Aluminum Fiberglass	Termoflex duct/ Textile insulation
<b>Inner diameter (in inches)</b>	0.40 - 5.90	0.40 - 5.90	0.40 - 5.90
<b>Wall thickness (<math>\pm 0.0098</math> inch) Reng* 439-14</b>	0.066	0.066	0.256
<b>Minimum temperature Reng* 440-14</b>	-40°F	-40°F	-40°F
<b>Maximum temperature (working) Reng* 441-14</b>	752°F	752°F	752°F
<b>Maximum temperature (peak) Reng* 441-14</b>	842°F	842°F	842°F
<b>Inflammability Reng* 435-14</b>	Not flammable	Not flammable	Not flammable
<b>Bending radius Reng* 434-14</b>	1.5 x diameter	1.5 x diameter	1.5 x diameter
<b>Tensile strength (<math>\pm 5\%</math>) Reng* 437-14</b>	119 Lbf	136 Lbf	169 Lbf
<b>Compression strength (Elastic deformation 10% Ø) (<math>\pm 5\%</math>) Reng* 438-14</b>	92 Lbf	52 Lbf	57 Lbf***
<b>Bending cycles Reng** 436-14</b>	300	1.400	800
<b>Corrosion resistance</b>	OK	OK	OK
<b>Sealing</b>	Fusing	Fusing	Fusing

\* Reng - Report test engineering

\*\* OBS: Possible use of the product with continuous insulation blanket. Increased performance up to 50%.

\*\*\* Compression strength at 50% of the internal diameter of the duct.

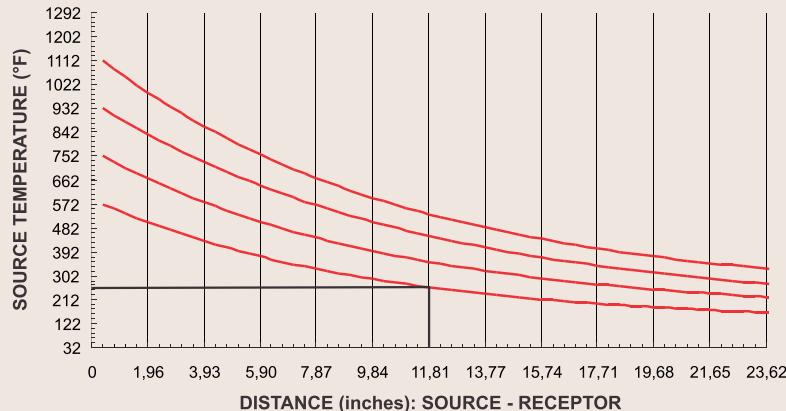




# Termoflex Line

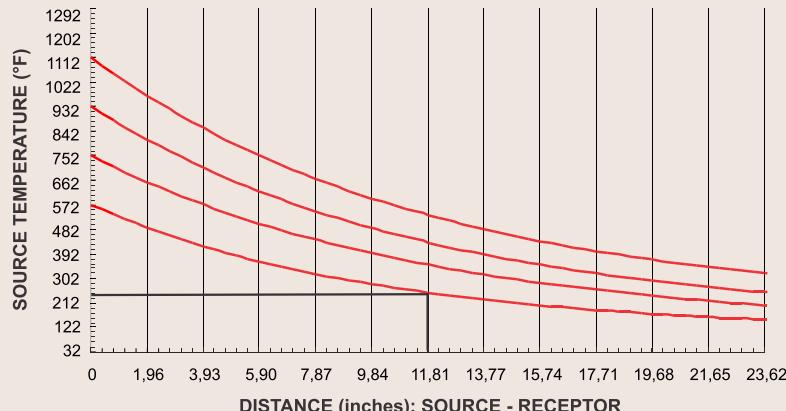
## High technology Thermal Isolation Ducts

Measurements made with a blackbody receptor, isolated and in thermal contact with the ambient air at 71,6°F. - TERMOFLEX AA DUCT



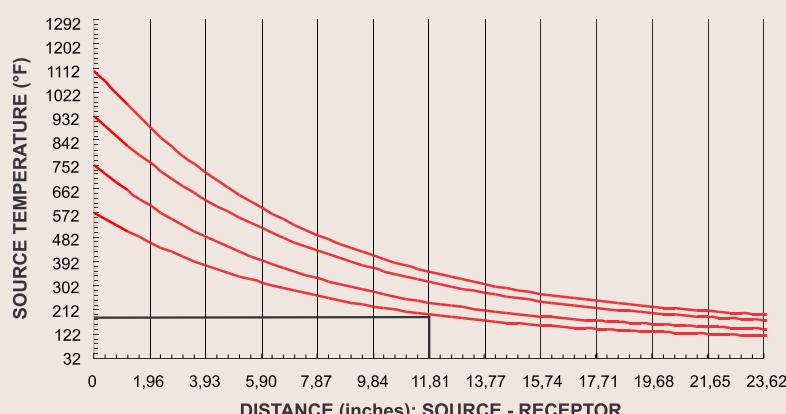
Graph utilization - example: for a source temperature of 572°F, at a distance of 30 mm from the receptor, the temperature inside the duct will be of 293°F.

Measurements made with a blackbody receptor, isolated and in thermal contact with the ambient air at 71,6°F. - TERMOFLEX AAF DUCT



Graph utilization - example: for a source temperature of 572°F, at a distance of 30 mm from the receptor, the temperature inside the duct will be of 248°F.

Measurements made with a blackbody receptor, isolated and in thermal contact with the ambient air at 71,6°F. - TERMOSAND DUCT



Graph utilization - example: for a source temperature of 572°F, at a distance of 30 mm from the receptor, the temperature inside the duct will be of 185°F.