

## PRODUCT SHEET

### NON-INSULATED FLEXIBLE AIR CONNECTOR FOR ENVIRONMENTAL AIR HANDLING SYSTEMS

#### APPLICATIONS

Kaalflex Non-Insulated Flexible Ducts, *Thermafex*<sup>®</sup>, are fully lined, UL 181 Class I flexible air duct designed for low to medium pressure cooling and heating HVAC systems. It can be used in air venting or drying applications. It is an economical solution for handling misalignment between systems components and ducting around obstacles where fabricated and fitted GI ducts are difficult and costly to use and insulation is not required. It is equally suitable for new jobs or retrofit work and is especially useful when making system extensions or for changing zones, now or in the future.



#### FEATURES & BENEFITS

- ✓ Underwriters Laboratories Listed Vendor
- ✓ Complies with NFPA Standards 90A & 90B
- ✓ Corrosion resistant steel wire helix
- ✓ Fully lined for efficient air delivery
- ✓ Economical means for venting solutions
- ✓ Quality manufacturing leads to quality installation that increase volume and profits
- ✓ Available through quality distributors strategically located
- ✓ Convenient packaging & handling of 25 foot long pipes

Insulated :	No
Diameter :	4 - 20 inches ID
Pressure Rating :	(W.G.)
Positive :	10 inches(4"-16" ID)
	6 inch (18"-20" ID)
Negative :	1/2 inch (4"-20" ID)
Velocity :	5000 fpm
Temp. Range :	-20° F to 250° F

#### MAJOR ADVANTAGES OVER CONVENTIONAL VENTING:

- ✓ High degree of flexibility in ventilation systems allows venting around obstacles
- ✓ Quick & economical means of correcting misalignment between system components or ventilation arrangements
- ✓ Eliminates the need for some fittings
- ✓ Fire retardant materials used in construction
- ✓ Minimal flame spread

## APPLICATIONS AND ENGINEERING DATA

<b>Nominal Inside Diameter (Inches)</b>	4	5	6	7	8	9	10	12	14	16	18	20
<b>Length (Feet)</b>	25											
<b>Inside Bend Radius (Inches)</b>	4	5	6	7	8	9	10	12	14	16	18	20
<b>Operating Pressure (Inches Water Column)</b>	Positive : 10 inches (4 -16 in. ID) & 6 inches (18 - 20 in. ID) Negative : 1/2 inch (4-20 in. ID)											

<b>Operating Temperature Range (°F)</b>	
<b>Minimum</b>	-20
<b>Maximum</b>	250
<b>Velocity (Feet Per Minute)</b>	5000

### CONSTRUCTION AND MATERIALS

Strong polyester film laminated and encapsulating a heavy, corrosion resistant steel wire helix, forms the inner. The smooth airtight inner core of polyester is designed for low to medium pressure systems. Oversized for quick installation over fittings and extensions.

### KAALFLEX - *Thermaflex*® ADVANTAGES

KaalFlex Pvt Ltd. offers unique competitive advantages over other ordinary flexible duct solutions. Technology collaboration with an industry leading U.S. based manufacturer, Flexible Technologies, provides the latest and most comprehensive global customer satisfaction feedback which results in the highest quality products in the market. Only genuine *Thermaflex*® branded products manufactured by KaalFlex have the proprietary flame retardant glue properties leading to unparalleled international standards of fire safety & prevention in duct management systems. KaalFlex strives to satisfy not only the engineer, consultant or contractor but furthermore the end user and their Indoor Air Quality (IAQ).

Why go for the rest, when you can have the best?