



LISTED
MH60625

FLEXIBLE DUCTS

**INSULATED & UNINSULATED
MODELS**

R VALUE : 4.2

VELOCITY : 5000 fpm

BS 476, Part 7 - Class 1

BS 476, Part 6 - Class 0

ASTM E84

UL 181



LEED Eligible Product

Use of this product may help building projects meet green building standards as set by the Leadership in Energy and Environmental Design (LEED) Green Building Rating System.

Credit 4.1 - 4.2 Recycled Content

Credit 5.1 - 5.2 Regional Materials



Specification Data



No.	Specifications	Insulated	Insulated	Insulated
	MODEL No	ADI1	ADI2	ADI1M
1.	Inner Core	Double laminated polyester film, with black pigmented adhesive, permanently bonded to corrosion resistant steel wire helix.	Triple laminated aluminum foil, polyester film, permanently bonded to corrosion resistant steel wire helix.	Double laminated polyester film, with permanently bonded to corrosion resistant steel wire helix.
2.	Outer Core	Strong vapour barrier made from metallized polyester film laminate.	Strong vapour barrier made from metallized aluminum and polyester film laminate.	Strong vapour barrier made from metallized polyester film laminate.
3.	Insulation thickness	25mm / 38mm / 50mm	25mm / 38mm / 50mm	25mm / 38mm / 50mm
4.	Density	16kg/m ³ / 24kg/m ³	16kg/m ³ / 24kg/m ³	16kg/m ³ / 24kg/m ³
5.	R value	4.2	4.2	4.2
6.	Maximum Positive Pressure	10" w.g.- 4" to 16"	10" w.g.- 4" to 16"	10" w.g.- 4" to 16"
		6" w.g. - 18 to 20"	6" w.g. - 18" to 20"	6" w.g. - 18 to 20"
7.	Maximum Negative Pressure	3/4" w.g. All diameters	3/4" w.g. All diameters	3/4" w.g. All diameters
8.	Maximum Velocity	5000 fpm	5000 fpm	5000 fpm
9.	Operating Temperature	-30 deg C to +150 deg C -20 deg F to +300 deg F	-30 deg C to +150 deg C -20 deg F to +300 deg F	-30 deg C to +150 deg C -20 deg F to +300 deg F
10.	Standard Length	25 feet	25 feet	25 feet
11.	Diameter	4" to 20"	4" to 20"	4" to 20"
12.	Fire Rating	-	BS 476, part 7 Class1 BS 476, part 6 Class0 ASTM - E84	BS 476, part 6 BS 476, part 7

Customised lengths available on request.

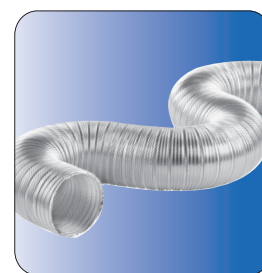
Specification Data



No.	Specifications	Insulated - Reinforced Barrier	Insulated - Reinforced Barrier	Insulated - Reinforced Barrier
	MODEL No	ADIR-1	ADIR-2	ADIRA
1.	Inner Core	Double laminated polyester film, with black pigmented adhesive, permanently bonded to corrosion resistant steel wire helix.	Triple laminated aluminum foil, polyester film, permanently bonded to corrosion resistant steel wire helix.	Multilayer Aluminum films permanently bonded with galvanized steel helix wire.
2.	Outer Core	Triple laminated aluminum foil, polyester and metallized polyester film with fibreglass scrim reinforced vapour barrier.	Triple laminated aluminum foil, polyester and metallized polyester film with fibreglass scrim reinforced vapour barrier.	Strong vapor barrier made from multi-layer aluminum film combined with separate strong fibreglass Reinforced scrim.
3.	Insulation thickness	25mm / 38mm / 50mm	25mm / 38mm / 50mm	25mm
4.	Density	16kg/m ³ / 24kg/m ³	16kg/m ³ / 24kg/m ³	24kg/m ³
5.	R value	4.2	4.2	4.2
6.	Maximum Positive Pressure	10"w.g. - 4" - 16" 6"w.g. - 18" - 20"	10"w.g. - 4" - 16" 6"w.g. - 18" - 20"	10"w.g. - 4" - 16" 6"w.g. - 18" - 20"
7.	Maximum Negative Pressure	3/4"w.g. - All diameters	3/4"w.g. - All diameters	3/4"w.g. - All diameters
8.	Maximum Velocity	5000 fpm	5000 fpm	5000 fpm
9.	Operating Temperature	-30 deg C to +150 deg C -20 deg F to +300 deg F	-30 deg C to +150 deg C -20 deg F to +300 deg F	-30 deg C to +150 deg C -20 deg F to +300 deg F
10.	Standard Length	25 feet, 10mtr	25 feet, 10mtr	25 feet, 10mtr
11.	Diameter	4" to 20"	4" to 20"	4" to 20"
12.	Fire Rating	BS 476, part 7 Class1 BS 476, part 6 Class0	BS 476, part 7 Class1 BS 476, part 6 Class0 ASTM - E84	UL181, ASTM-E84 BS476 part 6 and 7.

Customised lengths available on request.

Specification Data



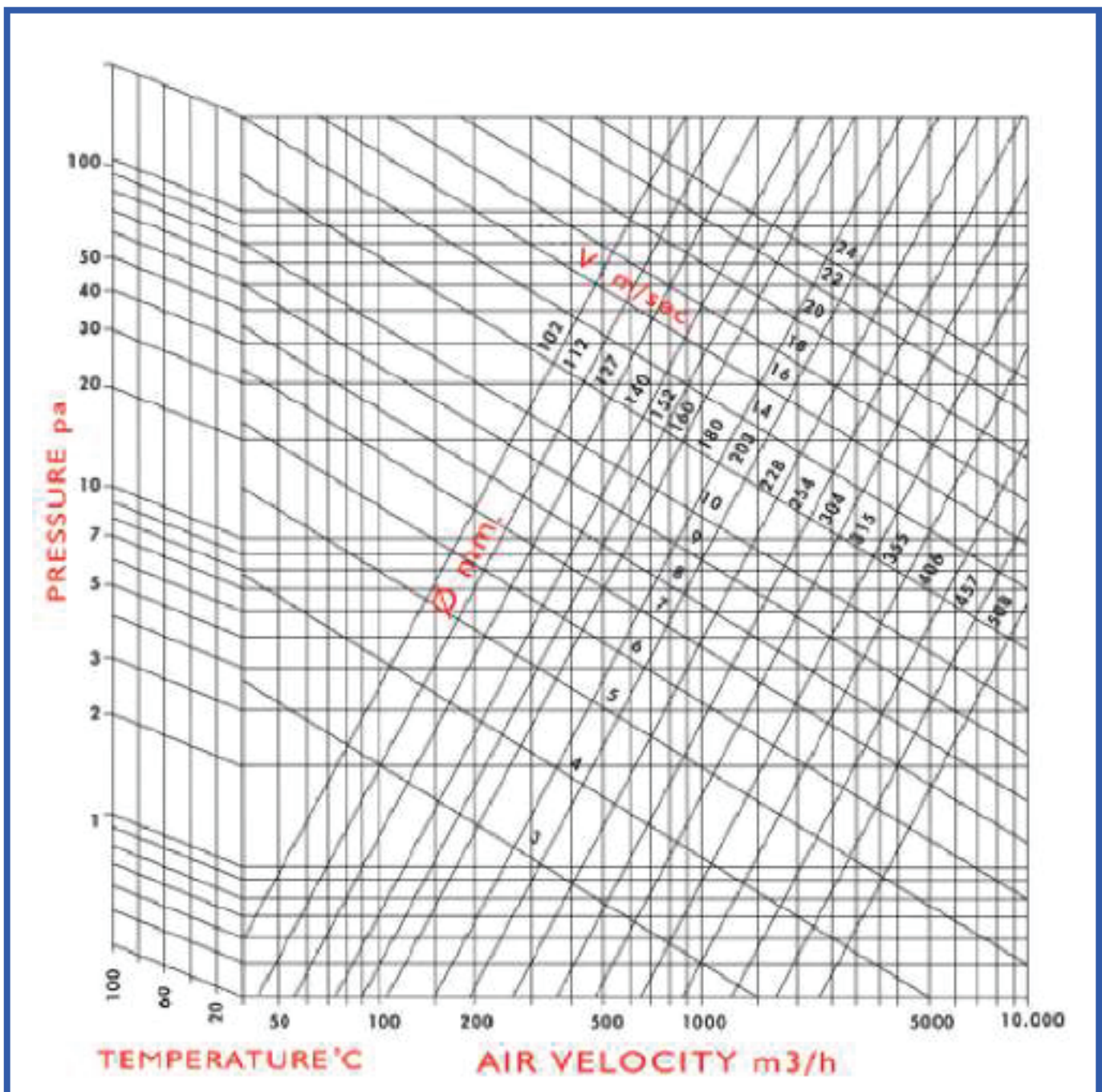
No.	Specifications	Uninsulated	Uninsulated	Uninsulated	Semi Rigid
	MODEL No	ADUI3	ADUI4	ADUI5	ADSR
1.	Inner Core	Triple laminated aluminum foil, polyester film, permanently per bonded to corrosion resistant steel wire helix.	Double laminated metalized film, permanently bonded to corrosion resistant steel wire helix.	Double laminated polyester film, with black pigmented adhesive, permanently bonded to corrosion resistant steel wire helix.	Semi rigid aluminum flexible duct is made from aluminum folded strips, wound spirally. Aluminum sheet is 100μ and leak proof interlock crimped.
2.	Maximum Positive Pressure	10" w.g.- 4" to 16"	10" w.g.- 4" to 16"	10" w.g.- 4" to 16"	Flexible stretchable and ideal for low and medium pressure application.
		6" w.g. - 18" to 20"	6" w.g. - 18" to 20"	6" w.g. - 18" to 20"	
3.	Maximum Negative Pressure	1" w.g. All diameters	1" w.g. All diameters	1" w.g. All diameters	-
4.	Maximum Velocity	5000 fpm	5000 fpm	5000 fpm	8000 fpm
5.	Operating Temperature	-30 deg C to +150 deg C -20 deg F to +300 deg F	-30 deg C to +150 deg C -20 deg F to +300 deg F	-30 deg C to +150 deg C -20 deg F to +300 deg F	-30 deg C to +250 deg C
6.	Standard Length	25 feet	25 feet	25 feet	3 m
7.	Diameter	4" to 20"	4" to 20"	4" to 20"	4" to 12"
8.	Fire Rating	BS 476, part 7 Class1 BS 476, part 6 Class0	-	-	BS 476, part 7 Class1 BS 476 part 6 Class0

Customised lengths available on request.

Main Features

- Economical solution to connecting equipment in air conditioning and ventilation systems, across a broad spectrum of applications such as residential, commercial and industrial projects
- Flexible construction renders ease of installation in areas where rigid ducts cannot be fixed
- Ideal for use in low to medium pressure ductwork systems
- Options for insulated and uninsulated models
- Tear and puncture resistant construction

Pressure Loss Diagram





MANILA BAY RESORT, PHILIPPINES



BLUE WATER DUBAI PROJECT



HARTLAND GREEN SOBHA, DUBAI UAE



MUDON, ABUDHABI - UAE



COLOMBO CITY CENTRE, SRI LANKA



OMANTEL HEADQUARTER



BAHRAIN AIRPORT PROJECT



HOLIDAY INN, ABU DHABI - UAE



DUBAI PARKS AND RESORTS



PALM TOWER PROJECT



MARINA GATE TOWER, DUBAI - UAE

Intertek

CT-ISO 9001:2015-UKAS-EN-A4-26.aug.16

AERODUCT

Ducting Accessories



Manufactured By: Hira Industries LLC (AERODUCT DIVISION)

P.O.Box: 113462, Dubai - U.A.E.

Tel : +971 4 884 8414

Fax : +971 4 884 8434

Email: enquiry@rhira.com

www.rhira.com

U.A.E.

Dubai (Showroom)

Tel : +971 4 2288988

Fax : +971 4 2233983

Abu Dhabi

Tel : +971 2 6347815

Fax : +971 2 6347825

Qatar

P.O.Box 31179,

Doha - State of Qatar

Tel : +974 4467 6046 / 4779

Fax : +974 4467 3514

Kuwait

Tel : +965 60046670

Oman

P.O.Box 167, P.C.102, Sultanate of Oman

Tel : +968 2449 5919/+968 92591004

Fax : +968 2449 6649

Saudi Arabia

Riyadh:

Tel/Fax: +966 1 14631749

Jeddah:

Tel: +966 56 9393148

India

HIRA HVAC Tradelinks Pvt. Ltd.

Unit No.103/104, City Industrial Estate

Ground Floor, Vasai Phata, Vasai (E)

Dist Thane (Maharashtra), India - 401208

Tel : +91 250 321 1963 / 64 / 65

Sri Lanka

Tel:+94 7737 10104

Australia

Tel:+614 09 646 747

www.aeroduct.ae