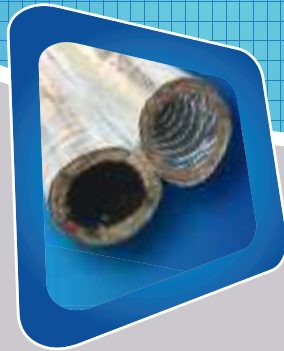
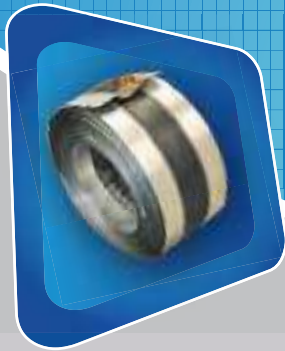
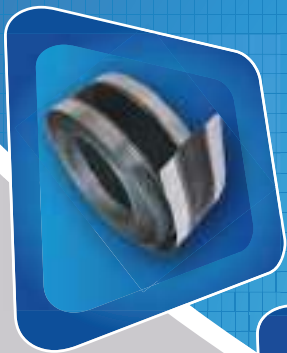


AERODUCT

Ducting Accessories



The Most Comprehensive Range of Ducting Accessories



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.

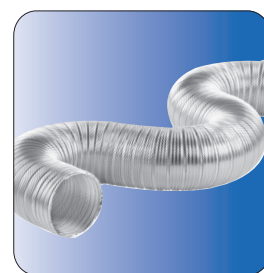
Specification Data



| 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 / 38mm / 50mm |
| 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 / 8 |
| 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. |
| 7. | Maximum Negative Pressure | 3/4"w.g. - All diameters | 3/4"w.g. - All diameters | 3/4"w.g. |
| 8. | Maximum Velocity | 5000 fpm | 5000 fpm | 3000 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 |
| 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, UL723 or ASTM E - 84 BS476 PART 6 AND 7. |

Customised lengths available on request.

Specification Data



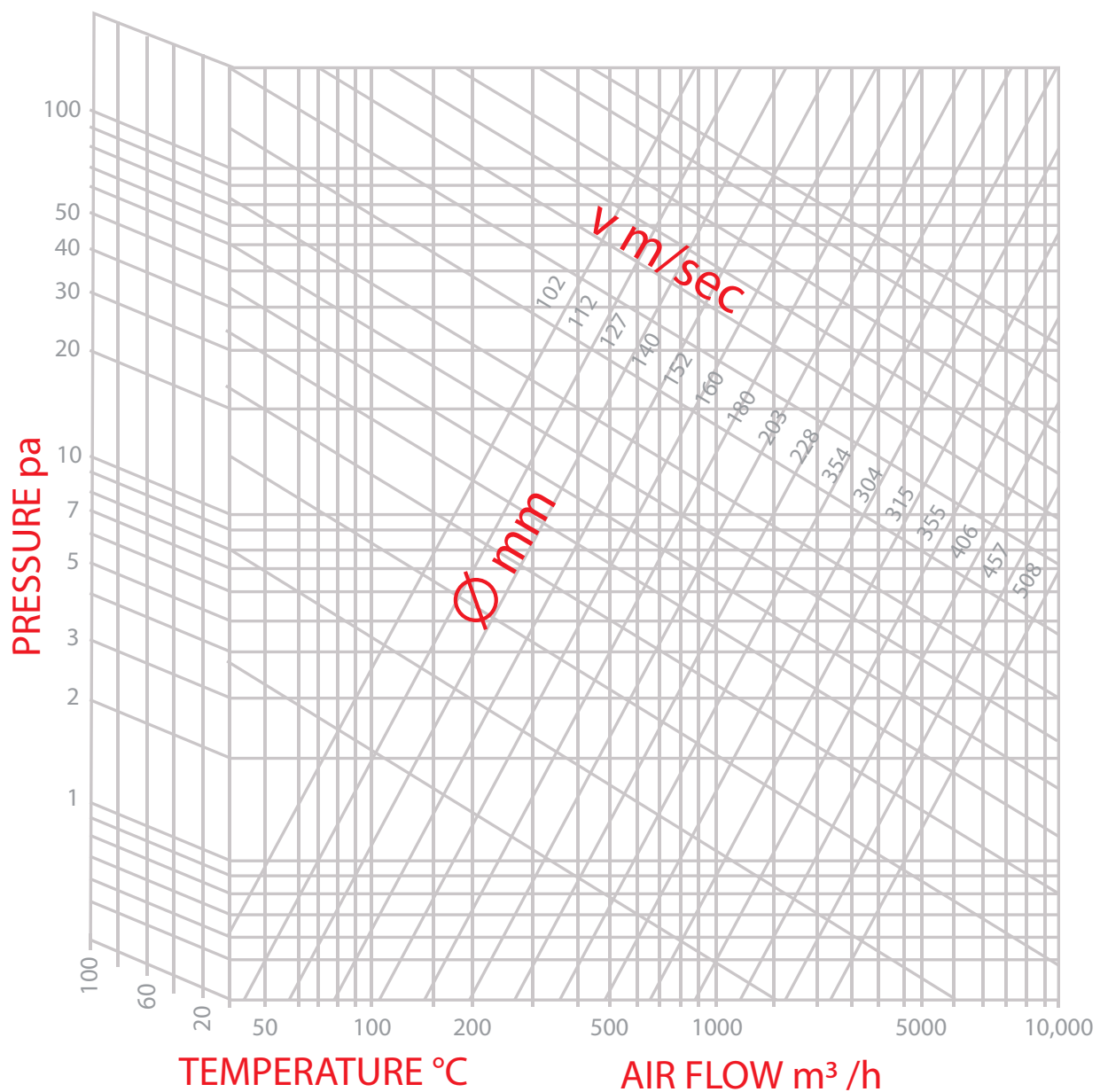
| No. | Specifications | Uninsulated | Uninsulated | Uninsulated | Semi Rigid |
|-----|----------------------------------|---|--|---|---|
| | MODEL No | ADUI3 | ADUI4 | ADUI5 | ADSR |
| 1. | Inner Core | Triple laminated aluminum foil, polyester film, permanently per bonded to corrosion resistant steel 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



ABU DHABI INTERNATIONAL AIRPORT 1



COLOMBO CITY CENTRE, SRI LANKA

PROJECTS



OMANTEL HEADQUARTER



BAHRAIN AIRPORT PROJECT



REEM MALL, ABU DHABI, UAE



DUBAI PARKS AND RESORTS



PALM TOWER PROJECT



MARINA GATE TOWER, DUBAI - UAE

CERTIFICATE OF REGISTRATION

This is to certify that the management system of:

Hira Industries LLC

Main Site: Plot No 118 to 123, 307, 309 & 311, Al Ghail Industrial Park –
RAKEZ, P.O. Box 9013, Ras Al Khaimah, United Arab Emirates

has been registered by Intertek as conforming to the requirements of:

ISO 9001:2015

The management system is applicable to:

Manufacture of Molded & Extruded Rubber Products, Ducting
Accessories, Smoke and Fire Curtains, Pipe Support Systems, Adhesive
Tapes and Aerofoam Closed Cell Polyolefin & Elastomeric Insulation
Products.

Certificate Number:

0112982

Initial Certification Date:

07 May 2018

Date of Certification Decision:

28 June 2022

Issuing Date:

28 June 2022

Valid Until:

06 May 2024



Calin Moldovean

President, Business Assurance

Intertek Certification Limited, 10A Victory Park,
Victory Road, Derby DE24 8ZF, United Kingdom

Intertek Certification Limited is a UKAS
accredited body under schedule of
accreditation no. 014.



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