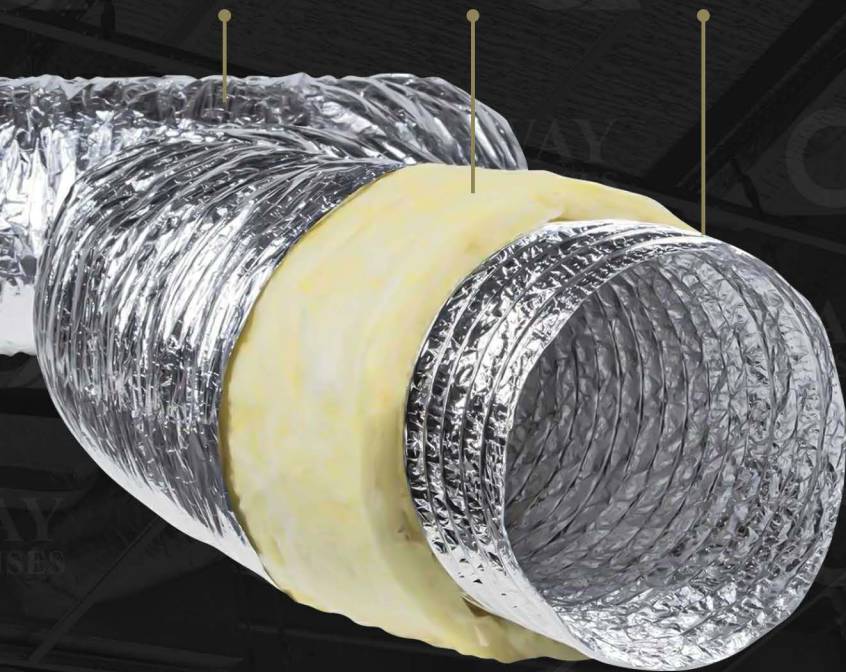


MULTI-LAYER PROTECTION

High Quality Ribbed
Aluminum Foil

Thickened
Glass Wool

Air Aluminum
Foil Ducting



THERMO-MAXX[®]

Insulated Flexible Ducts

Product Description

The Insulated Flexible Ducts (IFD-S and IFD-D) are designed for HVAC systems to facilitate efficient and safe air distribution. These ducts are insulated with high-density yellow fiberglass and protected with a two-layer laminated aluminum and polyester outer jacket, reinforced with glass fiber.

They are easy to install, requiring no special tools, and are fire resistant, non-toxic under high heat, and lightweight.

Construction Details

Component	IFD-S	IFD-D
Inner Layer	Single-layer aluminum flexible duct	Double-layer aluminum flexible duct
Insulation	25 mm thick, 16 kg/m ³ yellow fiberglass	25 mm thick, 16 kg/m ³ yellow fiberglass
Outer Jacket	Aluminum + Polyester reinforced with glass fiber	Aluminum + Polyester reinforced with glass fiber
Spiral Support	Spiral Support Spring wire in polyester	Spring wire in polyester

Key Advantages

- **Tool-Free Installation:** No special tools needed for cutting or fixing. Quick and easy setup reduces labor time.
- **Thermal & Acoustic Insulation:** 25mm thick fiberglass minimizes heat loss and dampens noise for improved HVAC performance.
- **Fire-Resistant & Non-Toxic:** Withstands high temperatures without emitting toxic gases. Safe for use in fire-rated systems.
- **Durable Outer Jacket:** Reinforced aluminum + polyester layer resists tears, punctures, UV, and mechanical damage.
- **Wide Temperature Range:**
 - IFD-S: Operates from -30°C to +150°C
 - IFD-D: Operates from -30°C to +250°C
- **High Performance:** Supports air velocity up to 30 m/s and pressure up to 3000 Pa.
- **Flexible & Lightweight:** Easily bends around obstacles, ideal for confined or complex spaces.
- **Versatile Applications:** Suitable for air conditioning, ventilation, and heating in residential, commercial, and industrial setups.
- **Low Maintenance:** Mold-resistant, corrosion-free, and long-lasting with minimal upkeep.