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WE KNOW HOW!

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INCOTEC INDUSTRIES LLC

Incotec Industries LLC is a trusted name in the HVAC&R industry, recognized for its strong presence in Southeast Asia and the Middle East. Backed by 17 years of industry expertise and a reputation for excellence, we are committed to expanding our footprint in the Asia-Pacific and North American markets.

Driven by innovation, we deliver high-quality, reliable HVAC&R products and solutions, supported by cutting-edge research and development. Our mission is to set new standards in performance, efficiency, and sustainability for the industry.

KNOWLEDGE AND EXPERIENCE

With extensive market experience and an established reputation, Incotec Group brings a legacy of excellence to the HVAC&R sector. Our long-term vision and professional mindset provide deep-rooted expertise and a strong commitment to delivering innovative solutions that meet the highest industry standards.

With a proven track record in global construction projects, we offer comprehensive support, including design and technical assistance, installation training, and after-sales services—ensuring reliability and efficiency at every stage.

REASEARCH AND DEVELOPMENT

Our products comply with international standards and are certified by leading industry bodies, underscoring our commitment to quality and reliability. This strict adherence guarantees that our solutions meet the highest performance and safety benchmarks, providing our clients with confidence and peace of mind.

ENGINEERED PRODUCTS

Incotec owns and manufactures a diverse portfolio of brands, catering to various sectors within the HVAC&R industry, including

- Thermal Insulation
- Acoustic Insulation
- Flexible Duct
- Duct Connector
- Fixing Systems
- Adhesive and tapes
- Ventilation Fans
- Ducting Acessories

SERVICES

Company has extensive experience of working on construction projects globally, providing design & technical assistance, installation trainings & after sales services.

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enquiry@incotecgroup.com

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flo DUCT Insulated Flexible Ducts

INCO-FDI1

STANDARD SPECIFICATIONS

Inner Core	Double-laminated polyester film, permanently bonded to a corrosion-resistant steel wire helix, reinforced with a thick fiberglass insulation blanket for superior thermal and acoustic performance.
Outer Core	Features a strong vapor barrier constructed from metalized polyester film laminate, ensuring superior moisture resistance and long-term durability.
Insulation Thickness	1", 1 1/2", 2" (25mm, 38mm, 50mm)
Density of Insulation	1 lb/ft3, 1.5 lb/ft3 (16kg/m3, 24kg/m3)
R Value	0.23 ft2·°F·hr/Btu (4.2 m2·K/W)
Maximum Positive Pressure	10 in. w.g. (2,500 Pa)
Maximum Negative Pressure	0.5 in. w.g. (125 pa)
Maximum Velocity	5,000 fpm (25 m/s)
Operating Temperature	-22 °F to 302 °F (-30 °C to +150 °C)
Standard Length	25ft and 33ft (8m and 10m)
Diameter	4" to 20" (100mm to 500mm)
Fire Performance	Standard Performance
Warranty	10 Years

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INCO-FDI2

STANDARD SPECIFICATIONS

Inner Core	Double-laminated aluminum foil and polyester film, permanently bonded to a corrosion-resistant steel wire helix, reinforced with a thick polyester fiber insulation blanket for enhanced thermal efficiency and durability.
Outer Core	Features a strong vapor barrier made from metalized polyester film laminate, ensuring superior moisture resistance, durability, and thermal efficiency.
Insulation Thickness	1", 1 1/2", 2" (25mm, 38mm, 50mm)
Density of Insulation	1 lb/ft3, 1.5 lb/ft3 (16kg/m3, 24kg/m3)
R Value	0.23 ft2·°F·hr/Btu (4.2 m2·K/W)
Maximum Positive Pressure	12 in. w.g. (3,000 Pa)
Maximum Negative Pressure	0.5 in. w.g. (125 pa)
Maximum Velocity	5,000 fpm (25 m/s)
Operating Temperature	-22 °F to 302 °F (-30 °C to +150 °C)
Standard Length	25ft and 33ft (8m and 10m)
Diameter	4" to 20" (100mm to 500mm)
Fire Performance	Standard Performance
Warranty	10 Years

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INCO-FDI3

TECHNICAL SPECIFICATIONS

Inner Core	Triple-laminated aluminum foil & polyester film, permanently bonded to a corrosion-resistant steel wire helix, reinforced with a thick fiberglass insulation blanket for superior thermal efficiency, durability, and acoustic performance.
Outer Core	Strong vapor barrier with aluminum & metallized polyester film laminate for superior moisture resistance.
Insulation Thickness	1", 1 1/2", 2" (25mm, 38mm, 50mm)
Density of Insulation	1 lb/ft3, 1.5 lb/ft3 (16kg/m3, 24kg/m3)
R Value	0.23 ft2·°F·hr/Btu (4.2 m2·K/W)
Maximum Positive Pressure	12 in. w.g. (3,000 Pa)
Maximum Negative Pressure	0.5 in. w.g. (125 pa)
Maximum Velocity	5,000 fpm (25 m/s)
Operating Temperature	-22 °F to 302 °F (-30 °C to +150 °C)
Standard Length	25ft and 33ft (8m and 10m)
Diameter	4" to 20" (100mm to 500mm)
Fire Performance	Class A (ASTM E 84), Class 0 (BS 476 part 6 and 7)
Warranty	10 Years

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INCO-FDI4

STANDARD SPECIFICATIONS

Inner Core	Multi-laminated aluminum foil & polyester film, permanently bonded to a corrosion-resistant steel wire helix, with a thick polyester fiber insulation blanket for enhanced durability and thermal performance.
Outer Core	Strong vapour barrier made from multilayer aluminum film combined with strong fiberglass reinforced scrim
Insulation Thickness	1", 1 1/2", 2" (25mm, 38mm, 50mm)
Density of Insulation	1 lb/ft3, 1.5 lb/ft3 (16kg/m3, 24kg/m3)
R Value	0.23 ft2·°F·hr/Btu (4.2 m2·K/W)
Maximum Positive Pressure	12 in. w.g. (3,000 Pa)
Maximum Negative Pressure	0.5 in. w.g. (125 pa)
Maximum Velocity	5,000 fpm (25 m/s)
Operating Temperature	-22 °F to 302 °F (-30 °C to +150 °C)
Standard Length	25ft and 33ft (8m and 10m)
Diameter	4" to 20" (100mm to 500mm)
Fire Performance	Class A (ASTM E 84), Class 0 (BS 476 part 6 and 7)
Warranty	10 Years

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STANDARD SPECIFICATION DATA SHEET

Specification	Insulated	Insulated	Insulated with Reinforced Barrier	Insulated with Reinforced Barrier
Part No.	INCO-FDI1	INCO-FDI2	INCO-FDI3	INCO-FDI4
Inner Core	Double laminated polyester film, permanently bonded to corrosion resistant steel wire helix	Double laminated aluminum foil, polyester film, permanently bonded to corrosion resistant steel wire helix	Triple laminated aluminum foil, polyester film, permanently bonded to corrosion resistant steel wire helix	Multi laminated aluminum foil, polyester film, permanently bonded to corrosion resistant steel wire helix
Outer Core	Strong vapour barrier made from metallized polyester film laminate	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 multi-layer aluminum film combined with separate strong fiberglass Reinforced scrim
Insulation Type	Fiberglass	Polyester Fiber	Fiberglass	Fiberglass
Insulation thickness	1", 1 1/2", 2" (25mm, 38mm, 50mm)	1", 1 1/2", 2" (25mm, 38mm, 50mm)	1", 1 1/2", 2" (25mm, 38mm, 50mm)	1", 1 1/2", 2" (25mm, 38mm, 50mm)
Density of Insulation	1 lb/ft3, 1.5 lb/ft3 (16kg/m3, 24kg/m3)	1 lb/ft3, 1.5 lb/ft3 (16kg/m3, 24kg/m3)	1 lb/ft3, 1.5 lb/ft3 (16kg/m3, 24kg/m3)	1 lb/ft3, 1.5 lb/ft3 (16kg/m3, 24kg/m3)
R value	0.23 ft2·°F·hr/Btu (4.2 m2·K/W)	0.23 ft2·°F·hr/Btu (4.2 m2·K/W)	0.23 ft2·°F·hr/Btu (4.2 m2·K/W)	0.23 ft2·°F·hr/Btu (4.2 m2·K/W)
Maximum Positive Pressure	10 in. w.g. (2,500 Pa)	12 in. w.g. (3,000 Pa)	12 in. w.g. (3,000 Pa)	12 in. w.g. (3,000 Pa)
Maximum Negative Pressure	0.5 in. w.g. (125 pa)	0.5 in. w.g. (125 pa)	0.5 in. w.g. (125 pa)	0.5 in. w.g. (125 pa)
Maximum Velocity	5,000 fpm (25 m/s)	5,000 fpm (25 m/s)	5,000 fpm (25 m/s)	5,000 fpm (25 m/s)
Operating Temperature	-22 °F to 302 °F (-30 °C to +150 °C)	-22 °F to 302 °F (-30 °C to +150 °C)	-22 °F to 302 °F (-30 °C to +150 °C)	-22 °F to 302 °F (-30 °C to +150 °C)
Standard Length	25ft and 33ft (8m and 10m)	25ft and 33ft (8m and 10m)	25ft and 33ft (8m and 10m)	25ft and 33ft (8m and 10m)
Diameter	4" to 20" (100mm to 500mm)	4" to 20" (100mm to 500mm)	4" to 20" (100mm to 500mm)	4" to 20" (100mm to 500mm)
Fire Performance	Standard Performance	Standard Performance	Class A (ASTM E 84) Class 0 (BS 476 part 6&7)	Class A (ASTM E 84) Class 0 (BS 476 part 6&7)
Warranty	10 years	10 years	10 years	10 years

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INCO-FDU1

STANDARD SPECIFICATIONS

Inner Core	Double-laminated polyester film bonded to a corrosion-resistant steel wire helix for strength and durability
Maximum Positive Pressure	10 in. w.g. (2,500 Pa)
Maximum Negative Pressure	0.5 in. w.g. (125 pa)
Maximum Velocity	5,000 fpm (25 m/s)
Operating Temperature	-22 °F to 302 °F (-30 °C to +150 °C)
Standard Length	25ft and 33ft (8m and 10m)
Diameter	4" to 20" (100mm to 500mm)
Fire Performance	Standard Performance
Warranty	10 Years

INCO-FDU2

TECHNICAL SPECIFICATIONS

Inner Core	Triple-laminated aluminum foil & polyester film bonded to a corrosion-resistant steel wire helix for durability and performance
Maximum Positive Pressure	10 in. w.g. (2,500 Pa)
Maximum Negative Pressure	12 in. w.g. (3,000 Pa)
Maximum Velocity	5,000 fpm (25 m/s)
Operating Temperature	-22 °F to 302 °F (-30 °C to +150 °C)
Standard Length	25ft and 33ft (8m and 10m)
Diameter	4" to 20" (100mm to 500mm)
Fire Performance	Class A (ASTM E84), Class 0 (BS 476 part 6 and 7)
Warranty	10 Years

INCO-FDU3

TECHNICAL SPECIFICATIONS

Inner Core	Double-laminated polyester film with corrosion-resistant steel wire helix and outer PVC cover
Maximum Positive Pressure	12 in. w.g. (3,000 Pa)
Maximum Negative Pressure	0.5 in. w.g. (125 pa)
Maximum Velocity	5,000 fpm (25 m/s)
Operating Temperature	-22 °F to 302 °F (-30 °C to +150 °C)
Standard Length	25ft and 33ft (8m and 10m)
Diameter	4" to 20" (100mm to 500mm)
Fire Performance	Class A (ASTM E84), Class 0 (BS 476 part 6 and 7)
Warranty	10 Years

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STANDARD SPECIFICATION DATA SHEET

Specification	Uninsulated	Uninsulated	Uninsulated
Part No.	INCO-FDU1	INCO-FDU2	INCO-FDU3
Inner core	Double-laminated polyester film, 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 with outer PVC cover
Maximum positive pressure	2500 Pa	12 in. w.g. (3,000 Pa)	12 in. w.g. (3,000 Pa)
Maximum negative pressure	25 Pa	25 Pa	25 Pa
Maximum velocity	30 m/s	30 m/s	30 m/s
Operating temperature	-30 °C ~ +150 °C	-30 °C ~ +150 °C	-30 °C ~ +150 °C
Standard length	10m	10m	10m
Diameter	DN100 – DN500	DN100 – DN500	DN100 – DN500
Fire performance	Standard Performance	BS 476, part 7 Class1; BS 476 part 6 Class O	Standard Performance
warranty	10 Years	10 Years	10 Years

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Flexible Duct Selection Based on Maximum Airflow

Airflow (CFM / m^3/h)	Recommended Duct Diameter (inches / mm)
Up to 100 (170 m^3/h)	4" (100 mm)
100 - 250 (170 - 425 m^3/h)	6" (150 mm)
250 - 500 (425 - 850 m^3/h)	8" (200 mm)
500 - 800 (850 - 1360 m^3/h)	10" (250 mm)
800 - 1200 (1360 - 2040 m^3/h)	12" (300 mm)
1200 - 1800 (2040 - 3060 m^3/h)	14" (350 mm)
1800 - 2500 (3060 - 4250 m^3/h)	16" (400 mm)
2500 - 3500 (4250 - 5950 m^3/h)	18" (450 mm)
3500 - 4500 (5950 - 7650 m^3/h)	20" (500 mm)

Selection Guidelines:
Based on 900 FPM (~4.5 m/s) velocity, balancing airflow efficiency and noise reduction.
For lower-velocity systems, consider larger ducts to reduce resistance.
For higher airflow needs, use multiple ducts or transition to rigid ducting.

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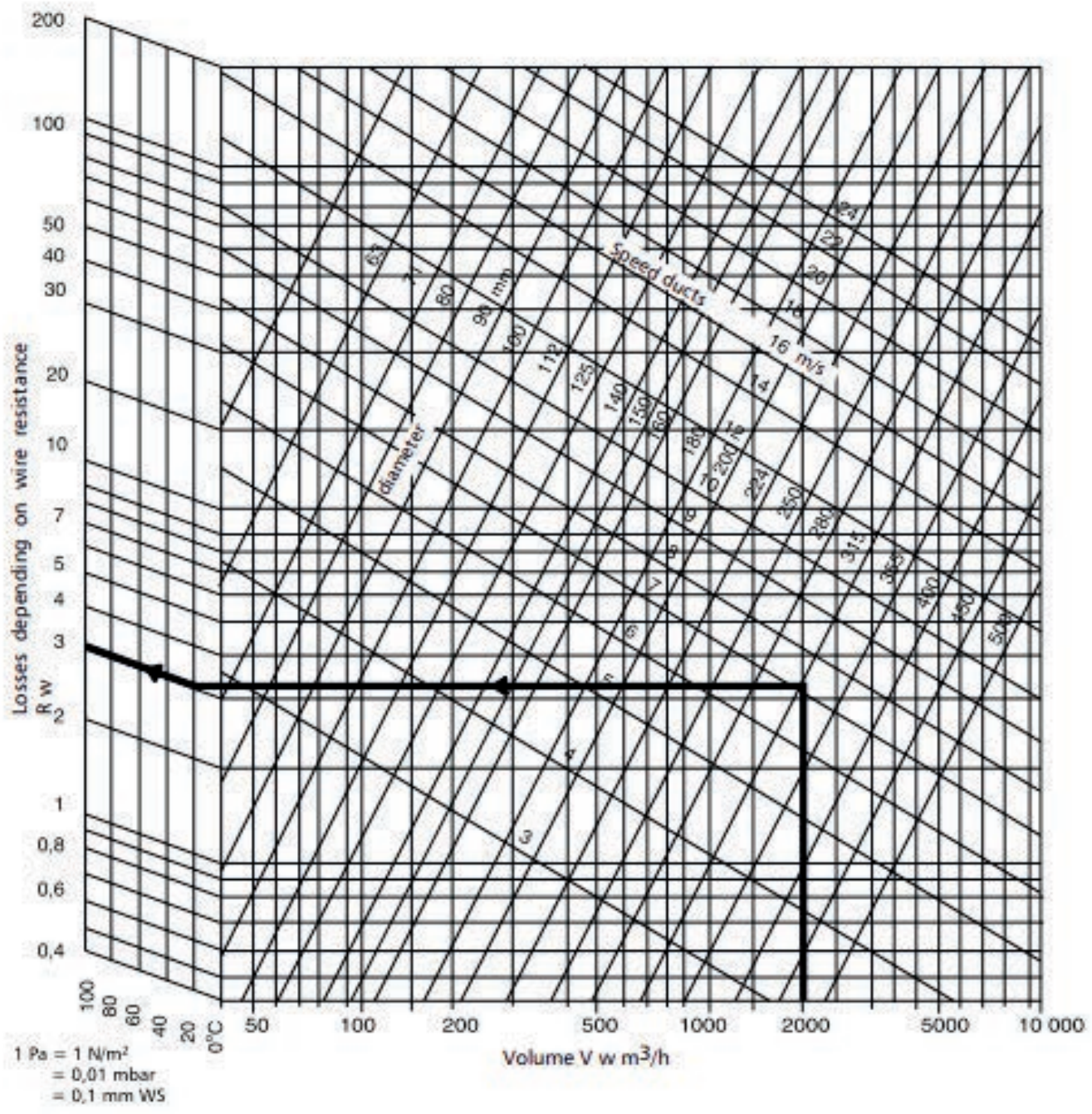
DESIGN GUIDELINES



How to Use the Pressure Drop Chart

Locate the Airflow (CFM) – Find the required airflow on the horizontal axis (X-axis).
Find the Duct Size – Identify the corresponding duct diameter line for the flexible duct being used.
Determine Pressure Drop – Move vertically upward until you intersect the duct diameter curve, then read the pressure drop (in. WC per 100 ft) on the vertical axis (Y-axis).
Apply Temperature Correction – If the operating temperature differs from 70°F, apply the correction factors shown in the table.
Check Maximum Recommended Velocity – Reference the dotted lines (if applicable) to ensure air velocity stays within recommended limits.

Example:
If using a 10-inch duct at 800 CFM, find 800 CFM on the X-axis, trace up to the 10-inch line, then move left to read the pressure drop.
If the result is 0.15 in. WC per 100 ft, and the temperature is 90°F, apply the correction factor (e.g., x1.10).

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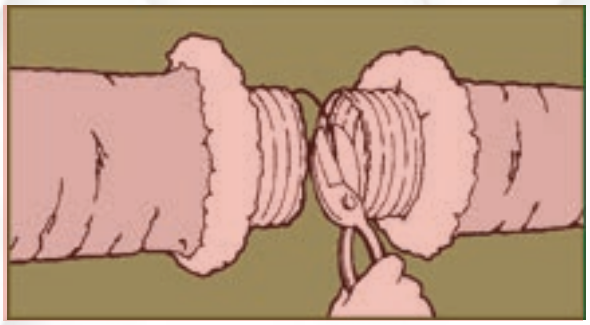
INSTALLATION GUIDELINES

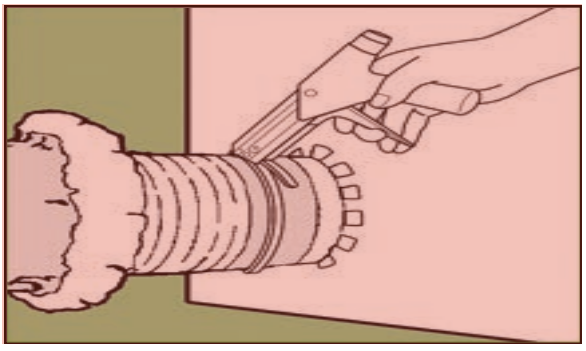
For Nonmetallic Air Ducts and Connectors with Plain Ends

Connections -Using Tape and Fasteners

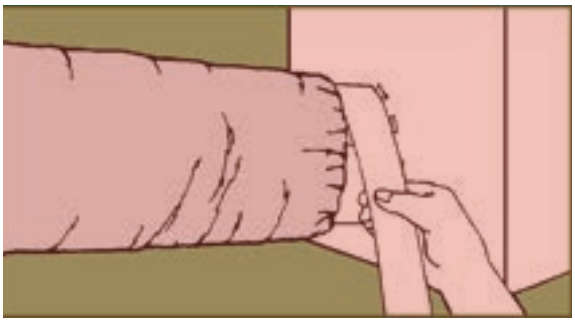
1.Once the desired length is determined, use a knife or scissors to cut all the way around and through the duct. Then, cut the wire with wire cutters and fold back the jacket and insulation.



2.Slide at least 1 inch of the core over the fitting and past the bead, sealing with at least two wraps of duct tape and securing with a clamp over the core and tape.

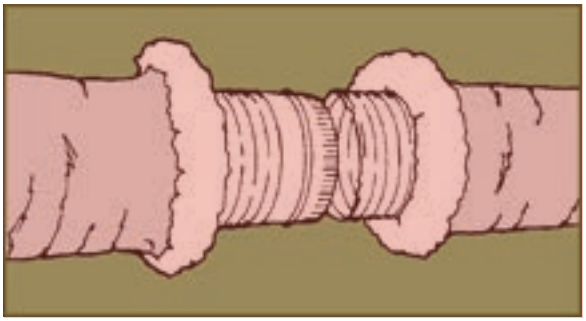


3.Pull the jacket and insulation back over the cores, securing the jackets together with at least two wraps of duct tape.

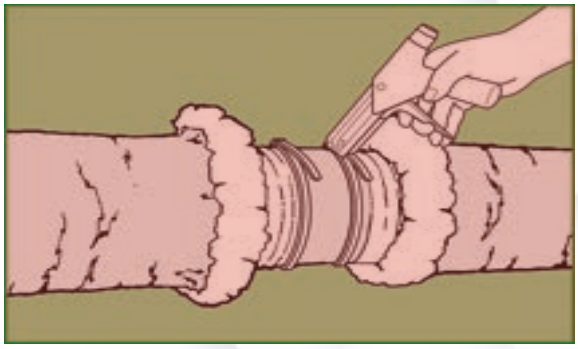


Splices Using Tape and Fasteners

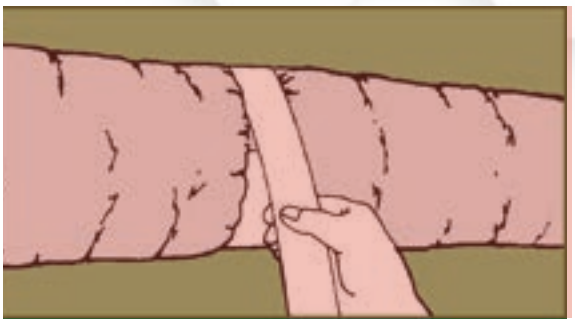
1.Fold back the jacket and insulation from the core. Align two cores on a minimum 4-inch metal sleeve.



2.Tape the cores together with at least two wraps of duct tape, securing the connection with two clamps placed over the taped core ends, extending past the beads.



3.Pull jacket and insulation back over cores. Tape jackets together with at least 2 wraps of duct tape.



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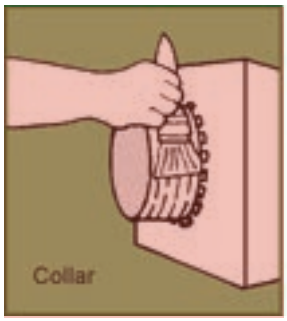
INSTALLATION GUIDELINES

Installation Instruction for Air Ducts and Air Connectors -Metallic with Plain Ends

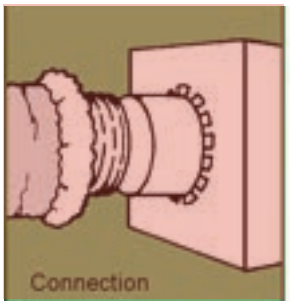
Connections and Splices -Using Tape or Mastic and Sheet Metal Screws

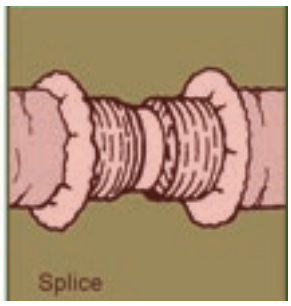
1.Cut the duct to the desired length and fold back the jacket and insulation to expose the core. Trim the core ends squarely using suitable metal shears. Decide on the sealing method (Steps 2 or 5) before proceeding.

2.If using mastic and for pressures of 4 inches w.g. [1000 Pa] and over, apply mastic uniformly to the outside surface of the collar/sleeve. Skip this step if not using mastic and proceed to Step 3.

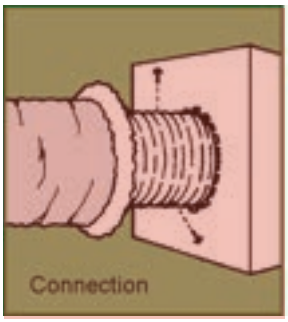


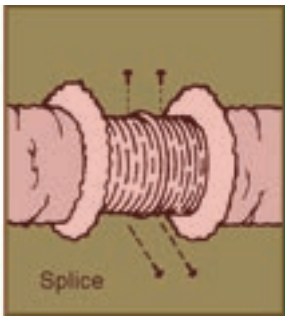
3.Slide at least 1 inch [25 mm] of the core over the metal collar for attaching the duct to the take-off or over the ends of a 4-inch [100 mm] metal sleeve for splicing two lengths of duct.



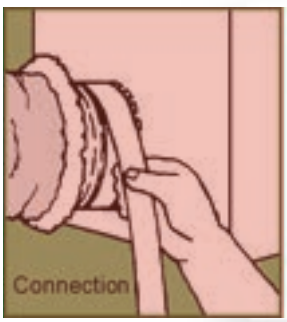


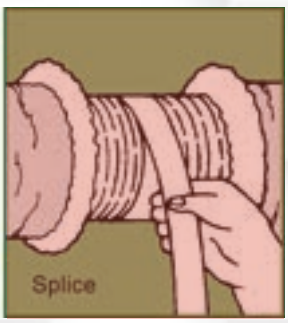
4.Secure the collar/sleeve using #8 sheet metal screws spaced equally around the circumference. Use three screws for diameters under 12 inches [300 mm] and five screws for diameters of 12 inches [300 mm] and over.





5.For pressures under 4 inches w.g. [1000 Pa], seal the joint using two wraps of duct tape applied over the screw heads and spirally lapping the tape to the collar/sleeve. Skip this step if using mastic per Step 2.





6.Pull the jacket and insulation back over the core and tape the jacket with two wraps of duct tape. A clamp can be used in addition to or instead of the tape.

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LOCKING SYSTEM

Incoflex Duct Connectors are manufactured using a specialized SAFE SEAM technique, combining galvanized steel plates and coated fabric. The SAFE SEAM clamp system ensures a secure, inseparable bond between the materials, providing superior strength and durability.

FABRIC	PROPERTIES	SALIENT FEATURE	MODEL	SIZE
VINYL POLYESTER FABRIC -40°F TO 200°F (-40 °C TO 93 °C)	Base: Polyester Coating: Vinyl Tensile Strength (N/cm) : 1080 x 1000 Tear Strength (N) : 450 x 450 Burst Strength: 400 psi Fire Rating: ASTM E84 class A NFPA701(UL214)	Vinyl is the most commonly used fabric for air duct installations due to its abrasion resistance. It is recommended for low to medium pressure duct systems and features an airtight, humidity-proof, and waterproof construction. Additionally, it offers UV resistance for enhanced durability.	INCO-DCV-45-75-45	45X75X45
			INCO-DCV-70-100-70	70x100x70
			INCO-DCV-75-75-75	75x75x75
			INCO-DCV-75-100-75	75X100X75
			INCO-DCV-75-150-75	75X150X75
			INCO-DCV-100-150-100	100X150X100
NEOPRENE FABRIC -40°F TO 250°F (-40 °C TO 121 °C)	Base: Fiberglass Coating: Neoprene Tensile Strength (N/cm) : 2500 x 3000 Tear Strength (N) : 55 x 55 Burst Strength: 800 psi Fire Rating: ASTM E84 class A, NFPA 701(UL214), BS 476 Part 7 class 1	Neoprene is recommended for applications requiring high mechanical strength. It offers exceptional resistance to most alkalies, gasoline, and toxic fumes. Its airtight, humidity-proof, and waterproof construction, along with UV resistance, ensures durability in demanding environments.	INCO-DCN-45-75-45	45X75X45
			INCO-DCN-70-100-70	70X100X70
			INCO-DCN-75-75-75	75X75X75
			INCO-DCN-75-100-75	75X100X75
			INCO-DCN-75-150-75	75X150X75
			INCO-DCN-100-150-100	100X150X100
SILICONE FABRIC -40°F TO 572°F (-40 °C TO 300 °C)	Base: Fiberglass Coating: Silicone Tensile Strength (N/cm) : 2500 x 3000 Tear Strength (N) : 270 x 220 Burst Strength: 450 psi Fire Rating : ASTM E84 class A, NFPA701(UL214), BS 476 Part 7 class 1	Silicone rubber coating offers excellent resistance to extreme temperatures, chemicals, and ozone, while emitting very low smoke when burned. It is UV-resistant and ideal for high-temperature applications in both indoor and outdoor installations. Its airtight, humidity-proof, and waterproof construction ensures durability and reliability.	INCO-DCS-45-75-45	45X75X45
			INCO-DCS-70-100-70	70X100X70
			INCO-DCS-75-75-75	75X75X75
			INCO-DCS-75-100-75	75X100X75
			INCO-DCS-75-150-75	75X150X75
			INCO-DCS-100-150-100	100X150X100
POLYURETHAN FABRIC -40°F TO 392°F (-40 °C TO 200 °C)	Base: Fiberglass Coating: Polyurethane Tensile Strength (N/cm) : 2500 x 3000 Tear Strength (N) : 160 x 140 Burst Strength: 400 psi Fire Rating : ASTM E84 class A, NFPA701(UL214), BS 476 Part 7 class 1, BS 476 part 6 class 0	Polyurethane-coated fabrics are lightweight yet durable, offering extended resistance to high temperatures. They feature an airtight, humidity-proof, and waterproof construction, along with UV resistance for enhanced longevity.	INCO-DCP-45-75-45	45X75X45
			INCO-DCP-70-100-70	70X100X70
			INCO-DCP-75-75-75	75X75X75
			INCO-DCP-75-100-75	75X100X75
			INCO-DCP-75-150-75	75X150X75
			INCO-DCP-100-150-100	100X150X100
CANVAS FABRIC 104°F TO 194°F (-40 °C TO 90)	Base: Fiberglass Coating: Polyurethane Tensile Strength (N/cm) : 2500 x 3000 Tear Strength (N) : 160 x 140 Burst Strength: 400 psi Fire Rating : ASTM E84 class A, NFPA701(UL214), BS 476 Part 7 class 1, BS 476 part 6 class 0	Coated canvas cloth is designed for HVAC applications both indoors and outdoors. It features an airtight, humidity-proof, and waterproof construction, offering high resistance to tearing and stretching, along with UV resistance for durability.	INCO-DCC-45-75-45	45X75X45
			INCO-DCC-70-100-70	70X100X70
			INCO-DCC-75-75-75	75X75X75
			INCO-DCC-75-100-75	75X100X75
			INCO-DCC-75-150-75	75X150X75
			INCO-DCC-100-150-100	100X150X100

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flo DUCT Un-insulated Duct Connectors

INCO-DCV (Vinyl Fabric) (-40°F to 200°F/-40°C to 93°C)

Vinyl is the most commonly used fabric for air duct installations, offering high tear strength and abrasion resistance. It is recommended for low to medium pressure duct systems and features an airtight, humidity-proof, and waterproof construction, along with UV resistance for durability.

MODEL	SIZE (Metal x Fabric x Metal)
INCO-DCV-45-75-45	45x75x45
INCO-DCV-70-100-70	70x100x70
INCO-DCV-75-75-75	75x75x75
INCO-DCV-75-100-75	75x100x75
INCO-DCV-75-150-75	75x150x75
INCO-DCV-100-150-100	100x150x100

STANDARD SPECIFICATIONS

Base	Polyester
Coating	Vinyl
Tensile Strength (N/cm)	1080 x 1000
Tear Strength (N)	450 x 450
Burst Strength	400 psi
Fire Rating	Class A

INCO-DCN (Neoprene Fabric) (-40°F tot250°F/-40°C to 121°C)

Neoprene is recommended for use in application where high mechanical strength is required. Neoprene is extremely resistant to most alkalies, gasoline and toxic fumes. Airtight, Humidity Proof and Waterproof construction. Resistant to Ultra Violet Rays

MODEL	SIZE (Metal x Fabric x Metal)
INCO-DCN-45-75-45	45x75x45
INCO-DCN-70-100-70	70x100x70
INCO-DCN-75-75-75	75x75x75
INCO-DCN-75-100-75	75x100x75
INCO-DCN-75-150-75	75x150x75
INCO-DCN-100-150-100	100x150x100

STANDARD SPECIFICATIONS

Base	Fiberglass
Coating	Neoprene
Tensile Strength (N/cm)	2500 x 3000
Tear Strength (N)	550 x 550
Burst Strength	800 psi
Fire Rating	ASTM E84 Class A , BS 476 Part 7 class 1

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flo DUCT Un-insulated Duct Connectors

INCO-DCS (Silicon Fabric) (-40°F to 572°F/-40°C to 300°C)

Silicone rubber coating offers outstanding resistance to extreme temperatures, chemicals, and ozone, while emitting very low smoke when burned. It is UV-resistant and ideal for high-temperature applications in both indoor and outdoor installations. Its airtight, humidity-proof, and waterproof construction ensures durability and reliability.

MODEL	SIZE (Metal x Fabric x Metal)
INCO-DCS-45-75-45	45x75x45
INCO-DCS-70-100-70	70x100x70
INCO-DCS-75-75-75	75x75x75
INCO-DCS-75-100-75	75x100x75
INCO-DCS-75-150-75	75x150x75
INCO-DCS-100-150-100	100x150x100

TECHNICAL SPECIFICATIONS

Base	Fiberglass
Coating	Silicon
Tensile Strength (N/cm)	2500 x 3000
Tear Strength (N)	270 x220
Burst Strength	450 psi
Fire Rating	ASTM E84 class A , BS 476 Part 7 class 1

INCO-DCP (Polyurethane Fabric) (-40°F to 392°F/-40°C to 200°C)

Polyurethane-coated fabrics are lightweight yet heat-resistant, offering extended durability at high temperatures. They feature an airtight, humidity-proof, and waterproof construction, along with UV resistance for longevity.

MODEL	SIZE (Metal x Fabric x Metal)
INCO-DCP-45-75-45	45x75x45
INCO-DCP-70-100-70	70x100x70
INCO-DCP-75-75-75	75x75x75
INCO-DCP-75-100-75	75x100x75
INCO-DCP-75-150-75	75x150x75
INCO-DCP-100-150-100	100x150x100

TECHNICAL SPECIFICATIONS

Base	Fiberglass
Coating	Polyurethane
Tensile Strength (N/cm)	2500 x 3000
Tear Strength (N)	160 x 140
Burst Strength	400 psi
Fire Rating	ASTM E84 class A , BS 476 Part 6 & 7 class 0 & Class 0

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INCO-DCC (Canvas Fabric) (-40°F to 194°F/-40°C to 90°C)

Coated canvas cloth is designed for HVAC applications both indoors and outdoors. It features an airtight, humidity-proof, and waterproof construction, with high resistance to tearing and stretching, along with UV resistance for durability.

MODEL	SIZE (Metal x Fabric x Metal)
INCO-DCC-45-75-45	45x75x45
INCO-DCC-70-100-70	70x100x70
INCO-DCC-75-75-75	75x75x75
INCO-DCC-75-100-75	75x100x75
INCO-DCC-75-150-75	75x150x75
INCO-DCC-100-150-100	100x150x100

TECHNICAL SPECIFICATIONS

Base	Canvas
Tensile Strength (N/cm)	1158 x 1144
Tear Strength (N)	680 x 410
Burst Strength	800 psi
Fire Rating	EN 532 & EN533

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flo DUCT Insulated Duct Connector

TThe duct connector has 25mm thick insulation for condensation protection. Its dual-layer fabric encloses insulation for better thermal performance. Built with the SAFE SEAM technique, it securely bonds galvanized steel plates and coated fabric for durability and long-term reliability.

CODE	PROPERTIES	SALIENT FEATURE	MODEL	SIZE
VINYL POLYESTER FABRIC -40°F TO 199°F. (-40 °C TO 93 °C)	Fabric: Vinyl Coated Polyester Fiberglass: 12kg/m3, 25mmthk Tensile Strength (N/cm) : 1080 x 1000 Tear Strength (N) : 450 x 450 Burst Strength: 400 psi Fire Rating : ASTM E84 class A, NFPA 701(UL214)	Vinyl is the most common fabric for air duct installations, offering high tear strength and abrasion resistance. It is ideal for low to medium pressure ductwork, with an airtight, humidity-proof, and waterproof construction, plus UV resistance for durability.	INCO-IDCV-70-100-70	70X100X70
			INCO-IDCV-70-150-70	70x150x70
			INCO-IDCV-75-100-75	75x100x75
			INCO-IDCV-75-150-75	75X150X75
NEOPRENE FABRIC -40°F to 250°F (-40 °C to 121 °C)	Fabric: Neoprene Coated Fiberglass Fiberglass: 12kg/m3, 25mmthk Tensile Strength (N/cm) : 2500 x 3000 Tear Strength (N) : 55 x 55 Burst Strength: 800 psi Fire Rating : ASTM E84 class A, NFPA 701(UL214), BS 476 Part 7 class 1	Neoprene is ideal for applications requiring high mechanical strength, offering excellent resistance to alkalies, gasoline, and toxic fumes. It features an airtight, humidity-proof, and waterproof construction, along with UV resistance for durability.	INCO-IDCN-70-100-70	70X100X70
			INCO-IDCN-70-150-70	70X150X70
			INCO-IDCN-75-100-75	75X100X75
			INCO-IDCN-75-150-75	75X150X75
SILICON FABRIC -40°F to 572°F (-40 °C to 300 °C)	Fabric: Silicon Coated Fiberglass Fiberglass: 12kg/m3, 25mmthk Tensile Strength (N/cm) : 2500 x 3000 Tear Strength (N) : 270 x 220 Burst Strength: 450 psi Fire Rating : ASTM E84 class A, NFPA 701(UL214), BS 476 Part 7 class 1	Silicone rubber coating offers exceptional temperature resistance, withstands chemicals and ozone, and emits minimal smoke when burned. Ideal for high-temperature applications indoors and outdoors, it features an airtight, humidity-proof, and waterproof construction, along with UV resistance for durability.	INCO-IDCS-70-100-70	70X100X70
			INCO-IDCS-70-150-70	70X150X70
			INCO-IDCS-75-100-75	75X100X75
			INCO-IDCS-75-150-75	75X150X75
POLYURETHAN FABRIC -40°F to 392°F (-40 °C to 200 °C)	Fabric:Polyurethane Coated Fiberglass Fiberglass: 12kg/m3, 25mmthk Tensile Strength (N/cm) : 2500 x 3000 Tear Strength (N) : 160 x 140 Burst Strength: 400 psi Fire Rating : ASTM E84 class A, NFPA 701(UL214), BS 476 Part 7 class 1, BS 476 part 6 class 0	Polyurethane-coated fabrics are lightweight yet heat-resistant, offering extended durability at high temperatures. They feature an airtight, humidity-proof, and waterproof construction, along with UV resistance for longevity.	INCO-IDCP-70-100-70	70X100X70
			INCO-IDCP-70-150-70	70X150X70
			INCO-IDCP-75-100-75	75X100X75
			INCO-IDCP-75-150-75	75X150X75

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flo DUCT Insulated Duct Connector

INCO-IDCV (Vinyl Fabric) (-40°F to 200°F/-40°C to 93°C)

Vinyl is the most commonly used fabric for all air duct installation due to its high tear strength and high abrasion resistance. Recommended for low to medium pressure duct work system. Airtight, Humidity Proof and Waterproof construction. Resistant to Ultra Violet Rays

MODEL	SIZE (Metal x Fabric x Metal)
INCO-IDCV-70-100-70	70x100x70
INCO-IDCV-70-150-70	70x150x70
INCO-IDCV-75-100-75	75x100x75
INCO-IDCV-75-150-75	75x150x75

TECHNICAL SPECIFICATIONS

Base	Vinyl Coated Polyester
Fiberglass	12kg/m3 25mm Thk
Tensile Strength (N/cm)	1080 x 1000
Tear Strength (N)	450 x 450
Burst Strength	400 psi
Fire Rating	ASTM E84 class A

INCO-IDCN (Neoprene Fabric) (-40°F to 200°F/-40°C to 121°C)

Neoprene is ideal for high-strength applications, resisting alkalis, gasoline, toxic fumes, moisture, and UV rays. Its airtight, waterproof design ensures durability.

MODEL	SIZE (Metal x Fabric x Metal)
INCO-IDCN-70-100-70	70x100x70
INCO-IDCN-70-150-70	70x150x70
INCO-IDCN-75-100-75	75x100x75
INCO-IDCN-75-150-75	75x150x75

TECHNICAL SPECIFICATIONS

Base	Neoprene Coated Fiberglass
Fiberglass	12kg/m3 25mm Thk
Tensile Strength (N/cm)	2500 x 3000
Tear Strength (N)	550 x 550
Burst Strength	800 psi
Fire Rating	ASTM E84 class A , BS 476 Part 7 class 1

INCO-IDCS (Silicon Fabric) (-40°F to 572°F/-40°C to 300°C)

Silicone Rubber coating which has excellent resistance to high and low temperatures. Silicone is extremely resistant to chemicals & ozone, & emits very low smoke when burnt. Resistant to Ultra Violet Rays. Recommended for applications where high temperature is of main concern in both indoor & outdoor installations. Airtight, Humidity Proof and Waterproof construction.

MODEL	SIZE (Metal x Fabric x Metal)
INCO-IDCS-70-100-70	70x100x70
INCO-IDCS-70-150-70	70x150x70
INCO-IDCS-75-100-75	75x100x75
INCO-IDCS-75-150-75	75x150x75

TECHNICAL SPECIFICATIONS

Base	Silicon Coated Fiberglass
Fiberglass	12kg/m3 25mm Thk
Tensile Strength (N/cm)	2500 x 3000
Tear Strength (N)	270 x220
Burst Strength	450 psi
Fire Rating	ASTM E84 class A , BS 476 Part 7 class 1

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flo DUCT Insulated Duct Connector

INCO-IDCP (Polyurethane Fabric) (-40°F to 392°F/-40°C to 200°C)

Polyurethane-coated fabrics are delicate in construction but offer prolonged resistance to high temperatures. They feature an airtight, humidity-proof, and waterproof design with excellent UV resistance.

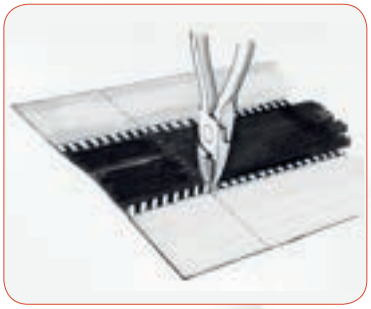
MODEL	SIZE (Metal x Fabric x Metal)
INCO-IDCP-70-100-70	70x100x70
INCO-IDCP-70-150-70	70x150x70
INCO-IDCP-75-100-75	75x100x75
INCO-IDCP-75-150-75	75x150x75

TECHNICAL SPECIFICATIONS

Base	Polyurethane Coated Fiberglass
Fiberglass	12kg/m3 25mm Thk
Tensile Strength (N/cm)	2500 x 3000
Tear Strength (N)	160 x 140
Burst Strength	400 psi
Fire Rating	ASTM E84 class A , BS 476 Part 6 & 7 class 0 & Class 0

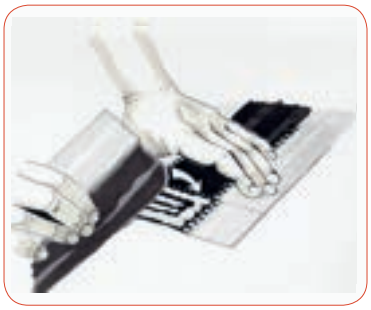
Recommended Assembly Method

At a notch, cut a length equivalent to the perimeter required plus an overlap of 5 to 6 cm (2").



Make a cut at the edge of the seam section.

Lift the seam outwards at right angle.



Coat the cloth with the appropriate adhesive, or pad. Join both sides and press together.

Bend down the seam while ensuring that the cloth remains fastened.

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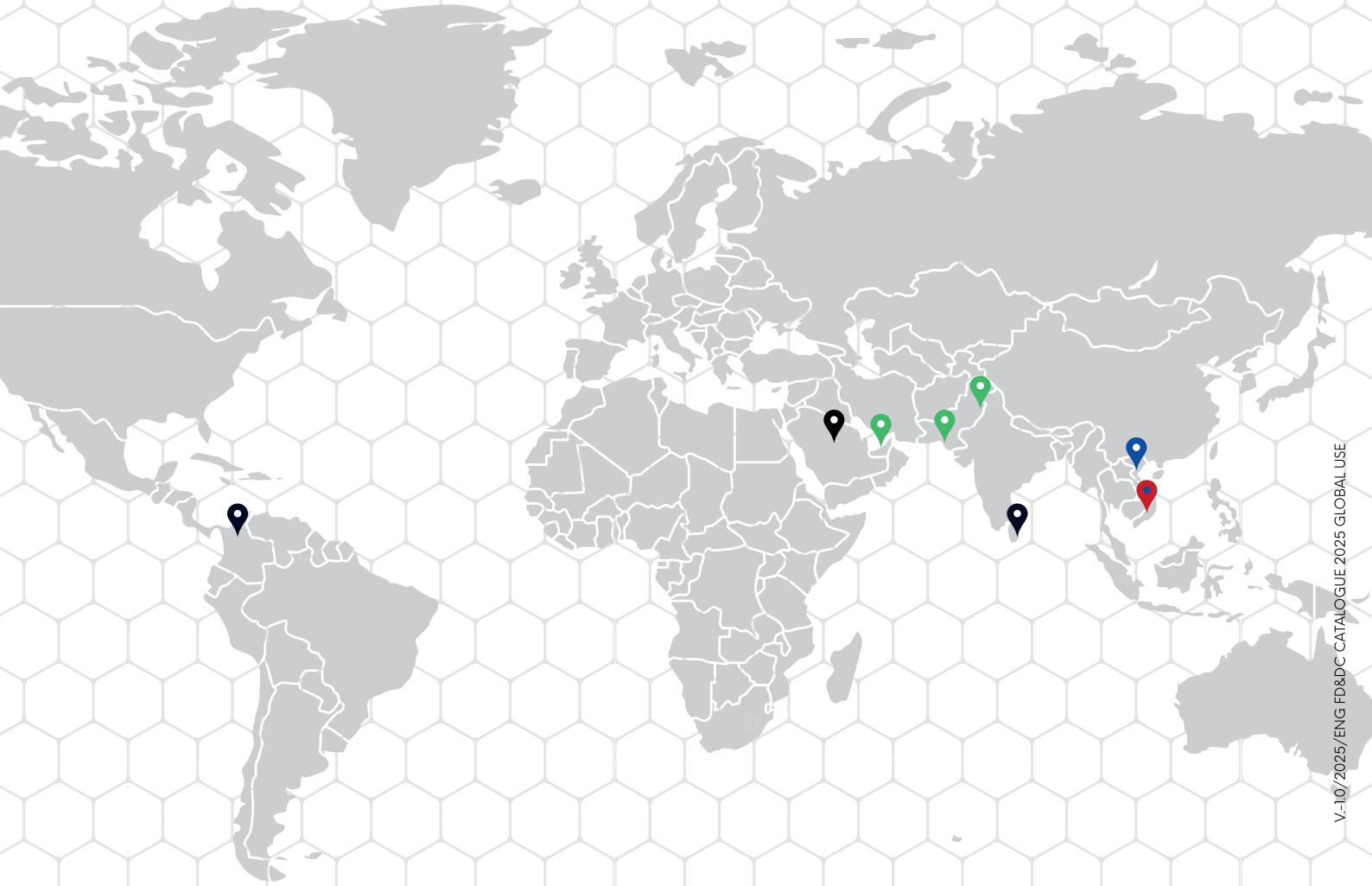
Let's chat!



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