



Imperial
FLEXIBLE DUCT PRODUCTS

2-PLY POLYESTER AIR DUCT

Insulated - Fiberglass Reinforced Metalized Vapor Barrier

Technical Data

Codes / Standards:

UL 181 / ULC S-110 / Class 1 Air Duct

Operating Pressure (inches water column):

Positive = 10 inches H₂O (2.5 kPa) intermittent
Positive = 6 inches H₂O (1.5 kPa) continuous
Negative = 2 inches H₂O (0.5 kPa)

Operating Temperature Range:

@ 6 inches H₂O (1.5 kPa) Positive
Minimum = -20°F (-28°C)
Maximum = 140°F (60°C)

@ 2 inches H₂O (0.5 kPa) Positive
Minimum = -20°F (-28°C)
Maximum = 180°F (82°C)

@ 1/2 inches H₂O (0.12 kPa) Positive
Maximum = 250°F (121°C) intermittent

Velocity (feet per minute):

4,000 f.p.m. (20.3 m/sec)

R-Value:

R-4.2, R-8.0

Surface Burning Characteristics:

Maximum Flame Spread = 25
Maximum Smoke Development = 50

Vapor Barrier Permeance:

0.04 perm (2.3 ng / s.m².Pa)

Available Diameters:

3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 16, 18 inches

Available Lengths:

6, 10, 25 feet

The air duct is designed for wherever UL 181 and ULC S-110 standards for Class 1 Air Duct is required.

The 2-ply polyester laminated inner core provides outstanding resistance and durability. The fiberglass reinforced metalized outer jacket is extremely strong and will not unravel. The air duct is suitable for use with heating, ventilation and air conditioning systems.

Construction Materials:

Duct liner is permanently bonded to a corrosion resistant spring steel wire helix, also supporting a blanket of fiberglass insulation. Vapor barrier is an outer jacket of fiberglass reinforced metalized film laminate.

For more information on these and other quality products manufactured by Imperial, please contact :

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Imperial
Manufacturing Group



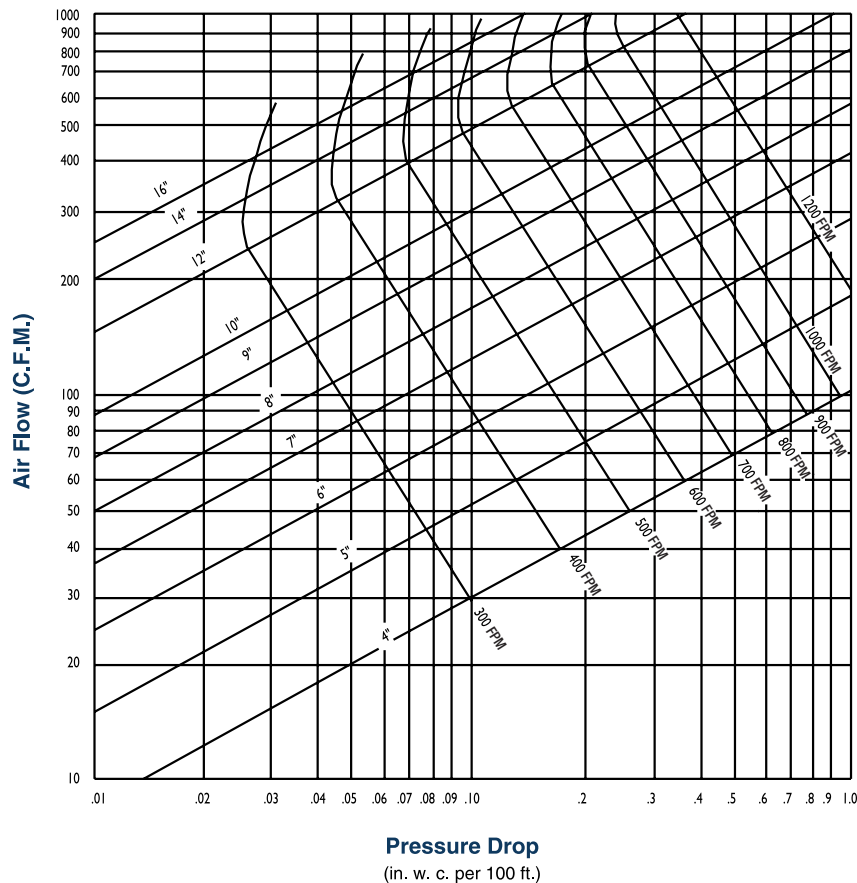
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PRESSURE DROP CHART



► 2-Ply Polyester Air Duct

| SKU# | DIMENSION/DESCRIPTION | INSULATION R-VALUE |
|----------|--------------------------|--------------------|
| MEA-0606 | 6"x 6' Air Duct SILVER | 4.2 |
| MEA-0310 | 3"x 10' Air Duct SILVER | 4.2 |
| MEA-0410 | 4"x 10' Air Duct SILVER | 4.2 |
| MEA-0510 | 5"x 10' Air Duct SILVER | 4.2 |
| MEA-0610 | 6"x 10' Air Duct SILVER | 4.2 |
| MEA-0325 | 3"x 25' Air Duct SILVER | 4.2 |
| MEA-0425 | 4"x 25' Air Duct SILVER | 4.2 |
| MEA-0525 | 5"x 25' Air Duct SILVER | 4.2 |
| MEA-0625 | 6"x 25' Air Duct SILVER | 4.2 |
| MEA-0725 | 7"x 25' Air Duct SILVER | 4.2 |
| MEA-0825 | 8"x 25' Air Duct SILVER | 4.2 |
| MEA-0925 | 9"x 25' Air Duct SILVER | 4.2 |
| MEA-1025 | 10"x 25' Air Duct SILVER | 4.2 |
| MEA-1225 | 12"x 25' Air Duct SILVER | 4.2 |
| MEA-1425 | 14"x 25' Air Duct SILVER | 4.2 |
| MEA-1625 | 16"x 25' Air Duct SILVER | 4.2 |
| MEA-1825 | 18"x 25' Air Duct SILVER | 4.2 |

| SKU# | DIMENSION/DESCRIPTION | INSULATION R-VALUE |
|------------|--------------------------|--------------------|
| MEA-0325-3 | 3"x 25' Air Duct SILVER | 8.0 |
| MEA-0425-3 | 4"x 25' Air Duct SILVER | 8.0 |
| MEA-0525-3 | 5"x 25' Air Duct SILVER | 8.0 |
| MEA-0625-3 | 6"x 25' Air Duct SILVER | 8.0 |
| MEA-0725-3 | 7"x 25' Air Duct SILVER | 8.0 |
| MEA-0825-3 | 8"x 25' Air Duct SILVER | 8.0 |
| MEA-0925-3 | 9"x 25' Air Duct SILVER | 8.0 |
| MEA-1025-3 | 10"x 25' Air Duct SILVER | 8.0 |
| MEA-1225-3 | 12"x 25' Air Duct SILVER | 8.0 |
| MEA-1425-3 | 14"x 25' Air Duct SILVER | 8.0 |