

*Atco. Working Together.
Doing It Right.*

ATCO SUPERFLEX

Insulated Ducting

Product Specification

Fully flexible, pre-insulated ducting with an inner core constructed from multiple layers of aluminized polyester laminated to encapsulate a high carbon, spring steel wire helix. The inner core is wrapped with a thick blanket of insulation and covered with an outer vapor barrier constructed from multiple layers of aluminized polyester and polyester. ATCO SUPERFLEX installs easily on circular or oval fittings. ATCO SUPERFLEX has good inherent acoustical properties.

ATCO SUPERFLEX insulated flexible ducting is designed for low to medium operating pressure in residential and commercial heating, ventilation, and air conditioning applications.

Construction

Inner Core – multi-layer aluminized inner core with total thickness of 34 microns.

Insulation – 25mm (Greenguard Certified)

Outer Vapor Barrier – multi-layer aluminized vapor barrier with total thickness of 34 microns.

Specifications

Insulation Thermal Value (k) - 0.038 W/m²K

-30° C Minimum Temperature Exposure Limit
+82° C Maximum Temperature Exposure Limit

Operating Pressure - from -188 to +1500 Pa

Operating Velocity - 20 m/s maximum
Centerline Bend Radius - 1 x Dia. minimum

Standard Diameter Range - 82mm to 508mm
Standard Length – 10 meter

Features & Benefits

Fully Flexible Ducting
Quick Installation
Reduced labor cost

Air Tight Construction
Energy efficient
Low air leakage

Environmentally Friendly
Low VOC emitting
No particulate emissions

Smooth Interior
Low friction loss
Low operating cost

Multi-Layer Construction
Tear & Puncture Resistant
Low maintenance

Light Compact Packaging
Reduced warehouse and handling cost



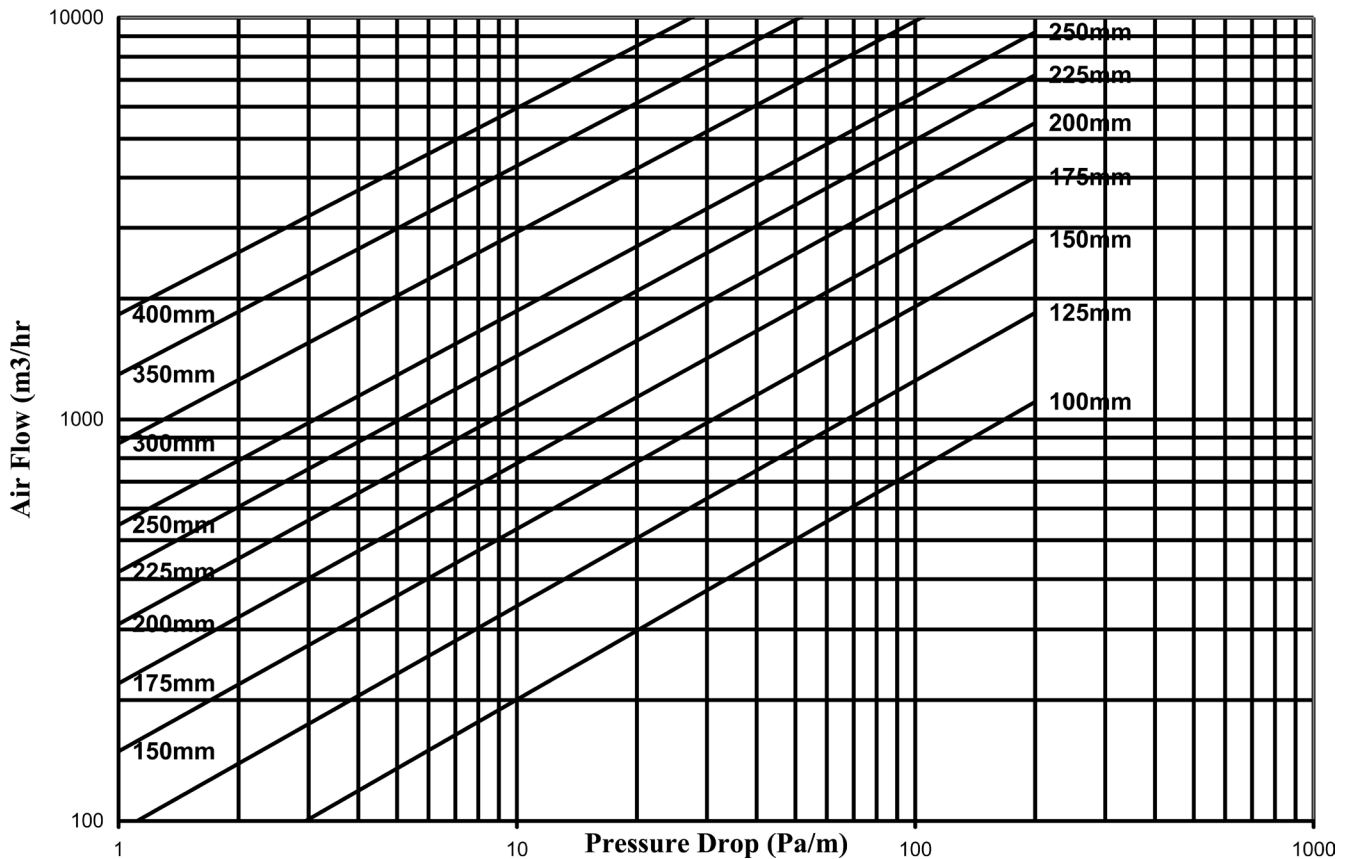


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AIR FRICTION CHART



Classifications

EU - EN 13180 Dia. Class B, Tightness Class C, Sag < 6°,
Crushing Strength 10-30 kg compressed, 1.5-4 kg
uncompressed

Use Limitations

ATCO SUPERFLEX is not suitable for transporting air
with high concentration of acids and base.

ATCO SUPERFLEX should not be used to discharge
combustion gases from open fire places or oil-
fired boilers.

Packaging

Each 10 meter length flexible duct is
individually compressed in cartons of 0.75
meter.

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