

BRINK INSULATED DUCTS



Innovative and sustainable insulated ventilation piping system developed to offer high-grade solutions to the increasing demands of comfort climate in residential buildings

ADVANTAGES & PROPERTIES

Brink insulated ducting system is an innovative, lightweight and durably insulated piping system developed to meet the increasingly stringent thermal and acoustic requirements for balanced ventilation systems with heat recovery.

It is composed from a state-of-the-art, vapor-proof polyolefin insulation foam attached to a solid, shockproof polyethylene outer casing. Besides a great thermal insulation and noise reduction the water-repellent inner wall prevents corrosion, moss and mold formation. The ducts and components are simple and safe to assemble thanks to flexible rubber connections. The ducts can be easily and precisely shortened. At the same time, the dimensional stability of its material limits the use of brackets. The Brink reducing connections guarantee an easy linking to the ventilation unit, manifolds, and to any roof or wall terminal.

All possible piping connections can be realized with only a limited number of parts. In this way, it requires minimum storage space and allows the installer to lay out a complete distribution network with fewer elements.

- Ducting system with strong integrated thermal and acoustic insulation
- Condensation prevention
- Very good airtightness
- Failure-free installing
- Easy and quick to assemble thanks to flexible rubber seals
- Large variety of laying situations with only limited number of components
- No maintenance required

TECHNICAL DATA

Insulation Layer	
Material	Polyolefin foam insulation
Structure	Closed-cell structure, CFC-free
Inner diameter	6.69" (170 mm)



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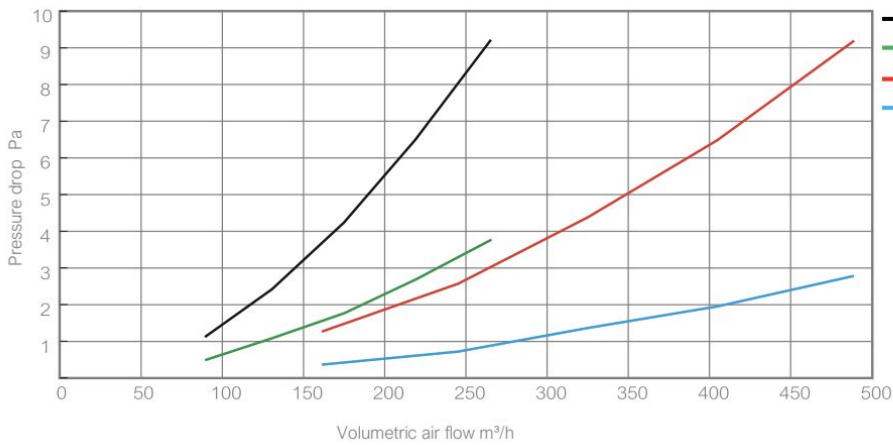
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Insulation Layer Continued	
Thermal conductivity (λ)	0.040 W/m·K
Water resistant properties	Water repellent, vapor diffusion tight; no risk of corrosion, moss or mold forming
Chemical constancy	excellent
Indentation resistance	excellent
Protection Casing	
Material	Polyethylene
Structure	Corrugated, Solid ring, dimensionally stable, mechanically strong and shockproof
Outer diameter	7.87" (200 mm)
Scent	neutral
Color	black
Complete System	
Fire classification	SBI Euroclass E according to EN13501
Service temperature range	-40°F to +203°F
Noise compression through exterior case conforms to DIN-EN-ISO 5135:1999	14 dB(A)
Recyclability	100%
Cradle to Cradle certification	Silver



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Pressure drop



Design

- Polyolefin foam**
Closed-cell, CFC-free
- EPDM rubber connection**
Uppermost airtightness class
- Polyethylene corrugated pipe, PE**
Flexibility and mechanical protection

Applications

- Ventilation system with heat recovery

