



# INSULATED T-PIECE

## DESCRIPTION

The Vasco insulated air ducts and accessories, together with the other Vasco ventilation products, assure a unique low-noise ventilation system. The insulated parts were developed to meet the ever more stringent requirements for thermal insulation and noise level in living spaces that are set for air-technical installations with heat recovery. These insulated parts must be applied to the outdoor connection of the ventilation system. But the air ducts can also be perfectly well applied to the ventilation system on the home side because of their sharply noise-reducing characteristic, and thanks to their being fast and easy to mount.



### Insulation value

The Vasco insulated air ducts are produced from a high-quality, vapour-tight insulation foam combined with a hard, impact-resistant PE outer sheath. The ducts boast a high thermal insulation value, for preventing condensation, and reduce noise substantially.

### Easy mounting

The system is characterised by easy, sure and quick mounting. Applying these couplings guarantees top-class airtightness. The coupling system assures solid, safe and problem-free mounting, with a minimum number of brackets. There are also tapering couplings for an optimal connection to the Vasco ventilation systems, roof and wall feed-through and the EasyFlow duct system.

## ACCESSORIES



*Coupling sleeve*



*Connecting sleeve  
symmetrical*



*Connecting sleeve  
asymmetrical*



*Bracket with rubber  
insert*

## TECHNICAL CHARACTERISTICS

Pipe sleeve	<p>Polyethylene</p> <p>Ring-resistant, dimensionally stable, mechanically robust and impact-resistant</p> <p>Outer diameter: 255/200/160 mm</p> <p>Fire class: B2 in accordance with DIN 4102</p> <p>Colour: black</p> <p>Odour: neutral</p>
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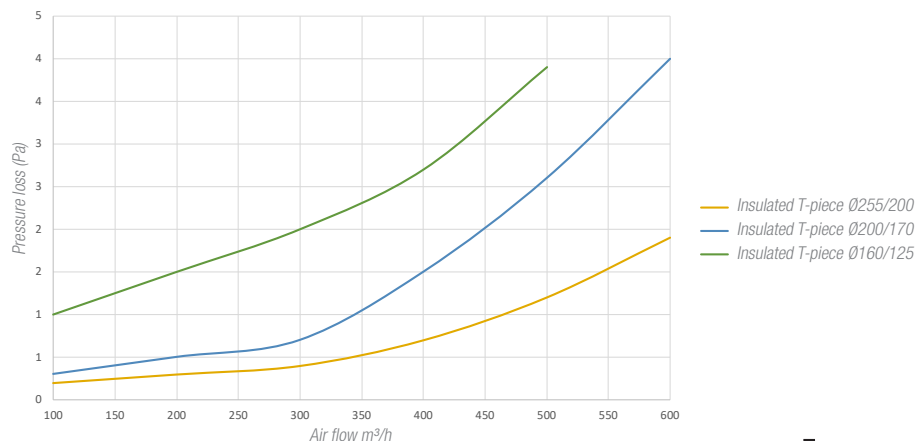
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## TECHNICAL CHARACTERISTICS

Inner sheath	<p>Insulating Polyolefin foam</p> <p>Vapour-tight, closed cell structure, water-repellent, water vapour diffusion-tight</p> <p>Inner diameter: 200/170/125 mm</p> <p>Fire class: B1 in accordance with DIN 4102</p> <p>Chemical resistance: excellent</p> <p>Resistance to compression: excellent</p> <p>No risk of corrosion, moss or fungus formation thanks to water-repellent inner wall with 100% closed cell structure</p> <p>Easy to clean</p>
Bends, segment	Homogeneous mirror welding process
Couplings	<p>EPDM rubber</p> <p>Coupling external</p> <p>Highest airtightness class</p>
Noise reduction through the wall In conformity with DIN-EN-ISO 5135:1999	<p>255/200 mm: /</p> <p>200/170 mm: 14 dB(A)</p> <p>160/125 mm: 20 dB(A)</p>
Heat conduction coefficient	0,040 W/mK
Temperature range	-40°C to +95°C
Recyclable	100%
Mounting	<p>Place bracket about every 2 metres</p> <p>Fixation at the roof feed-through and wall feed-through</p>

## GRAPH

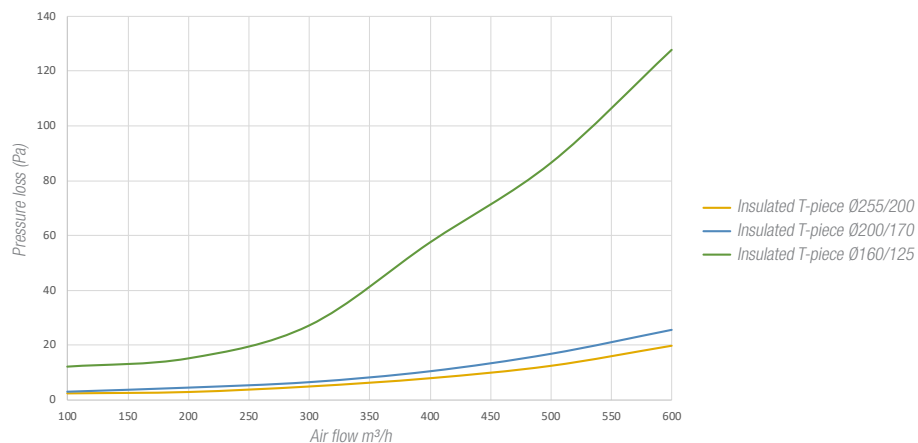
### PRESSURE LOSSES THROUGH INSULATED T-PIECE



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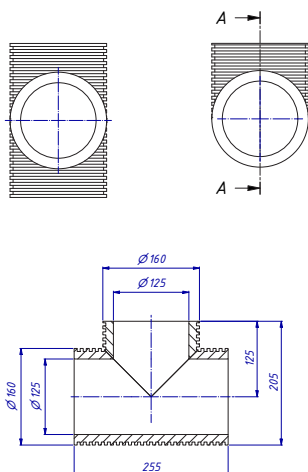
## GRAPH

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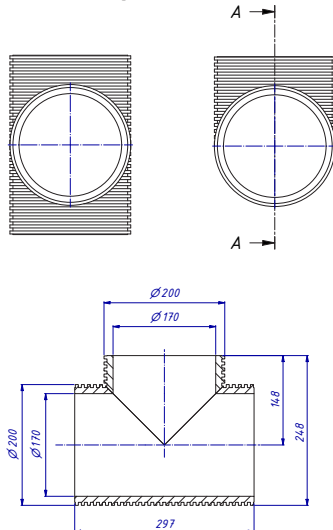


## DIMENSIONAL DRAWING

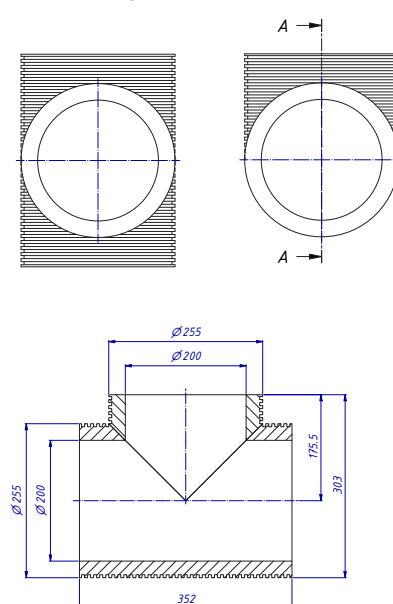
### Insulated T-piece 160/125mm



### Insulated T-piece 200/170mm



### Insulated T-piece 255/200mm



Dimensions in mm