



# INSULATED BEND 90°

## 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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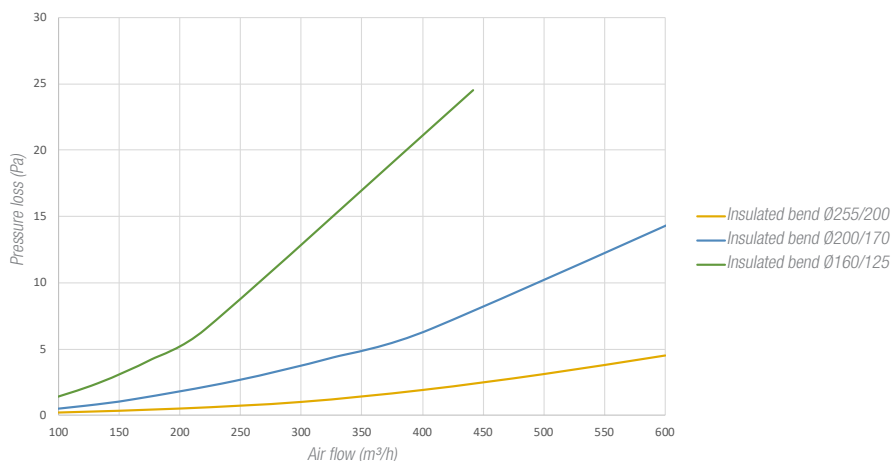
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## TECHNICAL CHARACTERISTICS

Inner sheath	Insulating Polyolefin foam Vapour-tight, closed cell structure, water-repellent, water vapour diffusion-tight Inner diameter: 200/170/125 mm Fire class: B1 in accordance with DIN 4102 Chemical resistance: excellent Resistance to compression: excellent No risk of corrosion, moss or fungus formation thanks to water-repellent inner wall with 100% closed cell structure Easy to clean
Bends, segment	Homogeneous mirror welding process
Couplings	EPDM rubber Coupling external Highest airtightness class
Noise reduction through the wall In conformity with DIN-EN-ISO 5135:1999	255/200 mm: / 200/170 mm: 14 dB(A) 160/125 mm: 20 dB(A)
Heat conduction coefficient	0,040 W/mK
Temperature range	-40°C to +95°C
Recyclable	100%
Mounting	Place bracket in front of and behind a bend Fixation at the roof feed-through and wall feed-through With a saw it is easy to split up the bend into 2x a bend of 45° See cutting line on the technical drawing

## GRAPH

### PRESSURE LOSSES THROUGH INSULATED BEND 90°

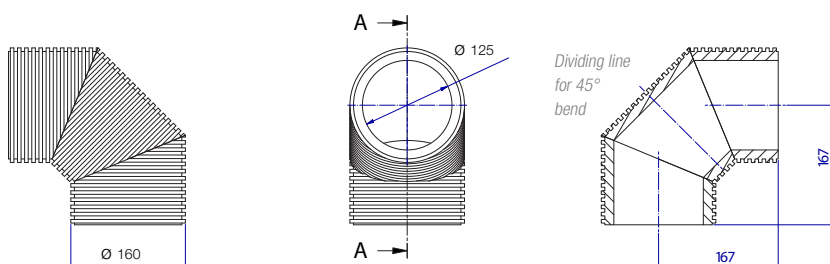




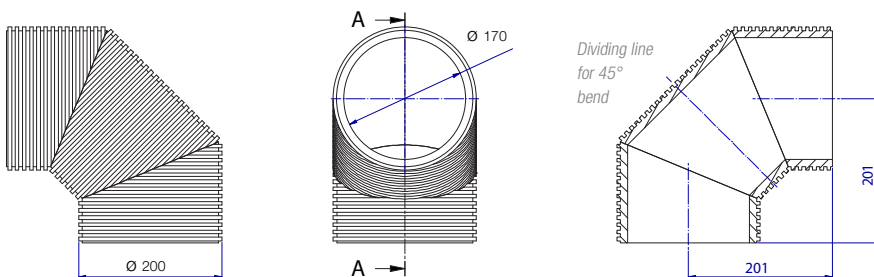
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## DIMENSIONAL DRAWING

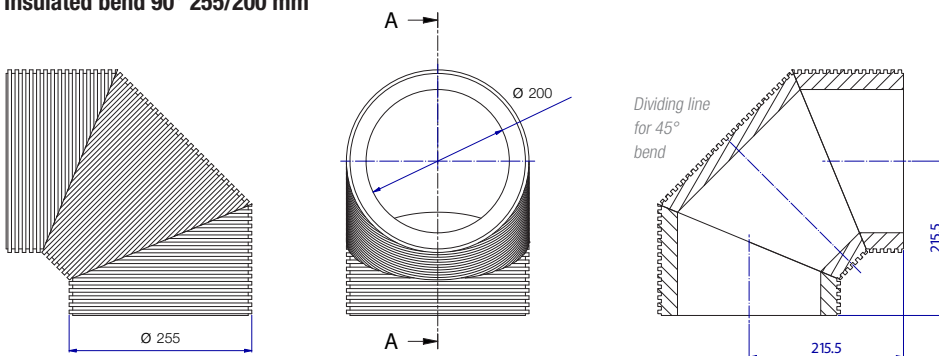
### Insulated bend 90° 160/125 mm



### Insulated bend 90° 200/170 mm



### Insulated bend 90° 255/200 mm



Dimensions in mm