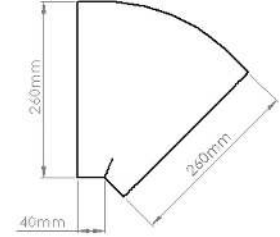
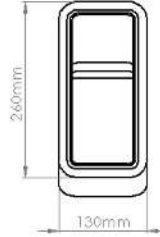




PRODUCT DATA SHEET

DUCSST-220-45HB

SELF-SEAL THERMAL 45° HORIZONTAL BEND



SPECIFICATION DETAILS

The Kair Self-Seal Thermal DUCSST-220-45HB insulated fitting is manufactured from graphite impregnated expanded polystyrene (EPS) with a minimum density of 25kg/m³ and provides a free area of 19,752 mm². The DUCSST-220-45HB is supplied with self-seal female couplings that allow the ducting fitted with a Duct to Fitting Connector to be plugged into the fitting apertures with a push, click and lock mechanism. The Self-Seal female couplings are manufactured from prime High Impact Polystyrene and a Thermoplastic Elastomer Dynamic Sealing Gasket.

The EPS material is fully tested to meet the thermal conductivity requirements of BASF-EN13163 to assist with the prevention of condensation and is flame retardant to DIN 4102-B1.

Kair Self-Seal Thermal Fittings exceed the current UK Domestic Ventilation Regulation requirements of Part F 2010 Domestic Ventilation Compliance Guide and NHBC Guidance Document Chapter 3.2 and provide a thermal conductivity of 0.03 W/mK which at 20mm thickness gives a thermal resistance or R-value of 0.666 m²K/W.

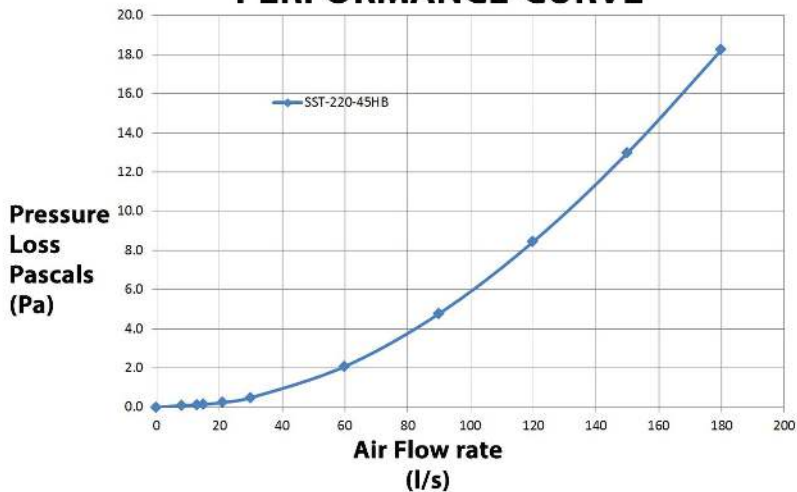
The patent pending push, click and lock mechanism provides a low leakage solution which exceeds the requirements set out in DW/143 Class A leakage test and DW/154 ductwork standards.

The Self-Seal Thermal is compliant with the requirements outlined in the Energy performance characteristics database for use in SAP with MVHR and MEV supply and extract ventilation systems.

Manufacturer:	Kair Ventilation
Part Number:	DUCSST-220-45HB
Size:	220mm x 90mm
For use with:	Kair System 220
Box quantity:	6
Individual Weight:	259g
Colour:	Grey
Thermal Resistance:	0.666 m ² K/W
Thermal Conductivity:	0.03 W/mK

MAX/MIN OPERATING TEMPERATURES	+ 60°C to - 15°C
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PERFORMANCE CURVE



AIRFLOW	RESISTANCE
8 l/s	0.10 pa
13 l/s	0.10 pa
21 l/s	0.20 pa
30 l/s	0.50 pa
60 l/s	2.10 pa
120 l/s	8.50 pa

220x90mm 1m Thermal Duct

DUCSST-220-1M

220x90mm Thermal Vertical 45° Bend

DUCSST-220-45VB

220x90mm Thermal 125mm Elbow Bend

DUCSST-220-PL

220x90mm Thermal Equal T Piece

DUCSST-220-TP

220x90mm Thermal Horizontal 90° Bend

DUCSST-220-90HB