PRODUCT DATA SHEET
SST-220-PL-IND

Verplas
a Breath of Fresh Air

Rapid Self-Seal Thermal 220x90mm to 125mmØ Plenum

Ø169.50mm
210mm
260mm

210mm
Ø169.50mm
130mm
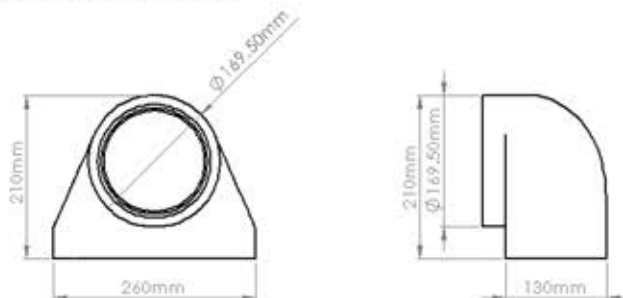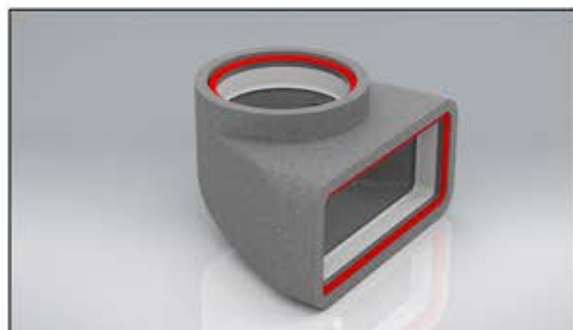
MANUFACTURER:	VERPLAS LTD
PART NUMBER:	SST-220-PL-IND
SIZE:	220x90mm
FOR USE WITH:	VERPLAS THERMAL 220 & 125mmØ
BOX QUANTITY:	6
INDIVIDUAL WEIGHT:	190g
COLOUR	Grey
MIN OPERATING TEMP	-15°C
MAX OPERATING TEMP	+60°C
THERMAL RESISTANCE	0.666 m²K/W
THERMAL CONDUCTIVITY	0.03 W/mK

SPECIFICATION DETAILS

The Verplas Self-Seal Thermal SST-220-PL-IND 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 SST-220-PL-IND 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.

The patented 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.

AIRFLOW	RESISTANCE	
	125mm	220x90mm
8 l/s	0.40 pa	0.70 pa
13 l/s	0.90 pa	1.80 pa
21 l/s	1.90 pa	4.40 pa
30 l/s	3.57 pa	8.40 pa
60 l/s	10.10 pa	30.80 pa

PERFORMANCE CURVE
220x90mm - 125mmØ

Pressure Loss Pascals (Pa)

SST-220-PL

AIRFLOW RATE (L/S)
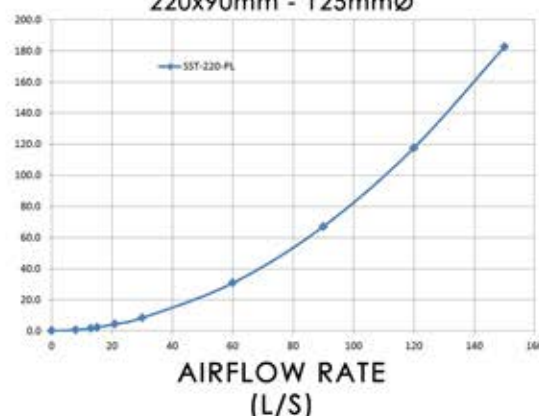
Associated Ancillaries

SST-220-2M-IND
220x90mm Rapid Self-Seal Thermal 2m Flat Channel

SST-220-45VB-IND
220x90mm Rapid Thermal Self-Seal 45° Vertical Bend

SST-220-90HB-IND
220x90mm Rapid Self-Seal 90° Horizontal Thermal Bend

Scan Here to find out how quick it is to install