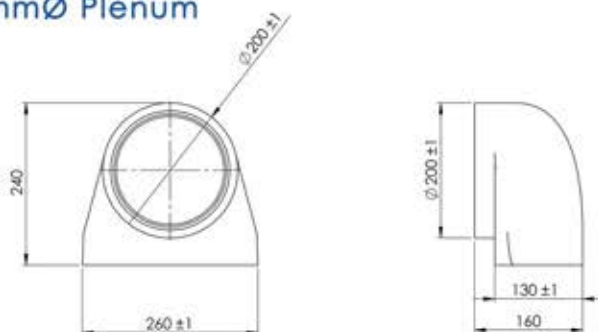


PRODUCT DATA SHEET

SST-220-PL160-IND

Rapid Self-Seal Thermal 220x90mm to 160mmØ Plenum



MANUFACTURER: VERPLAS LTD

PART NUMBER: SST-220-PL160-IND

SIZE: 220x90mm

FOR USE WITH: VERPLAS THERMAL 220 & 160mmØ

BOX QUANTITY: 6

INDIVIDUAL WEIGHT: 600g

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-PL160-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 to 20,108 mm². The SST-220-PL160-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.

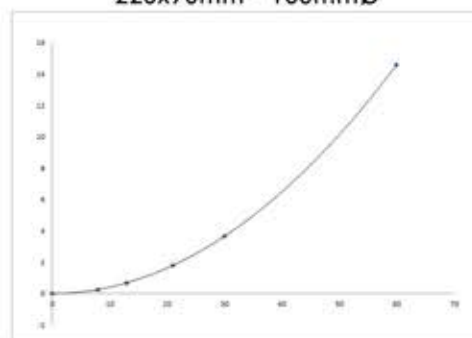
The EPS material is fully tested to meet the thermal conductivity requirements of BASF-EN13163 to assist with the prevention of condensation and is flame retardant to DIN 4102-B1.

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	
	160m -220x90mm	220x90mm -160mm
8 l/s	0.25 pa	0.26 pa
13 l/s	0.64 pa	0.69 pa
21 l/s	1.66 pa	1.79 pa
30 l/s	3.39 pa	3.66 pa
60 l/s	13.13 pa	14.59 pa

PERFORMANCE CURVE
220x90mm - 160mmØ



Pressure
Loss
Pascals
(Pa)

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



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