

Certificate No: 19574/4

Issue No:

Date of issue: 28 February 2011

## TEST RESULTS

### Requirements

Pressure Class	HVCA DW/144 Class 'C'	HVCA DW/144 Class 'C'
Static pressure $\Delta P$	1500 Pa	2000 Pa
Class C leakage factor	$0.003 \times \Delta P^{0.65}$ l/s/m <sup>2</sup>	$0.003 \times \Delta P^{0.65}$ l/s/m <sup>2</sup>
DW/TM1 Clause 1.2 multiplying factor	0.4	0.4
Surface area of duct (excluding end caps)	2.6 m <sup>2</sup>	2.6 m <sup>2</sup>
Maximum permitted leakage	0.36 l/s	0.44 l/s

### Duct Details

Pre-Insulated PIR Duct, 20 mm thick with dimensions of 400 mm (W) x 250 mm (H) x 1000 mm (L) [2 Nos.] and fitted/ Joined with a **Joint – 45 Deg. Male / Female**

### Instrumentation

Instrument	Reference Number
Duct Leakage Tester	665 (AF DLT 03 101179)
Venturi Nozzle – 8 mm	8 mm Venturi No. 1
Micromanometer – D.P. Measurements TT570CV	200786
Micromanometer – D.P. Measurements TT570CV	200783

### Results

	1500 Pa Test		2000 Pa Test	
	Start	Finish	Start	Finish
Duct Static Pressure	1580 Pa	1510 Pa	2020 Pa	2040 Pa
Differential Pressure	2.6 Pa	2.2 Pa	3.6 Pa	4.0 Pa
Measured Leakage Flow	0.09 l/s	0.08 l/s	0.11 l/s	0.11 l/s
Test Duration	15 Minutes		15 Minutes	
Test Pass/Fail	Pass		Pass	