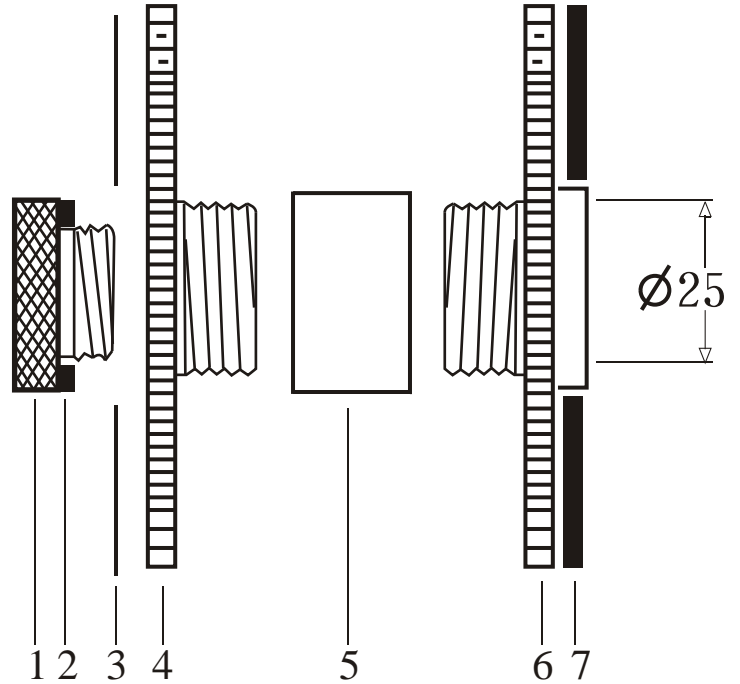
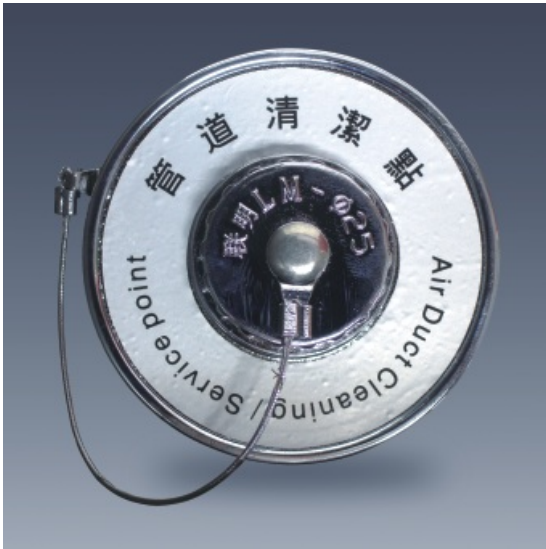




聯明LM[®] AIR DUCT CLEANING/SERVICE POINT



聯明LM[®] Ø25mm Air Duct Cleaning / Service Point has been engineered to fulfill the need for a quality fitting which can be used with full confidence. It's 'CLASS 1' Closed-Cell rubber gasket provided effective air-tight/water-tight function plus condensation control.

MAIN FEATURE

- Heavy duty aluminum alloy die construction with anti-corrosive chromed plate finished.
- Convenient, instant release screw plug.
- Air-tight, complied to high pressure class.
- Accommodates 25mm or 50mm thick insulation, either with internal, external or without insulation.
- Handled any instrument measuring up to Ø25mm.
- 'Class 1' Closed-cell Rubber mounting gasket are complied with BS476:Part 7.

ONE SET CONSISTS OF

1. SCREW PLUG
2. 'CLASS 1' GASKET
3. SELF-ADHESIVE IDENTIFICATION RING
4. THREAD PORT
5. EXTENSION TUBE
6. SCREW BASE
7. 'CLASS 1' GASKET



INSTALLATION

WITH EXTERNAL INSULATION

1. Using $\varnothing 1-1/4"$ (32mm) hole-saw to make hole on the metal duct.
2. Put the SCREW BASE externally on position with 'Class 1' Gasket or Duct Sealant as 3M 750C or equivalent & fix with 3 screws.
3. Wrap Insulation on top the SCREW BASE & trim the insulation to leave the pole of SCREW Base in Position.
4. Screw the THREAD PORT on top the SCREW BASE.
5. Fix the SCREW PLUG on THREAD PORT.

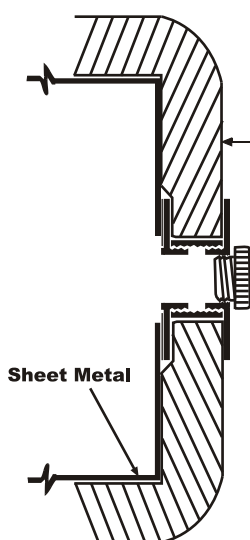
WITH INTERNAL INSULATION

1. Using $\varnothing 1-1/4"$ (32mm) hole-saw to make hole on the metal duct.
2. Put 'Class 1' Gasket or Duct Sealant such as 3M 750C or equivalent, on the contact surface between the THREAD PORT, & metal duct.
3. Put the THREAD PORT externally on position and fix with 3 screw.
4. Put Duct liner Insulation inside metal duct on top the pole of THREAD PORT, trim the Insulation to leave An Exact hole in position.
5. Screw on the SCREW BASE and SCREW PLUG.

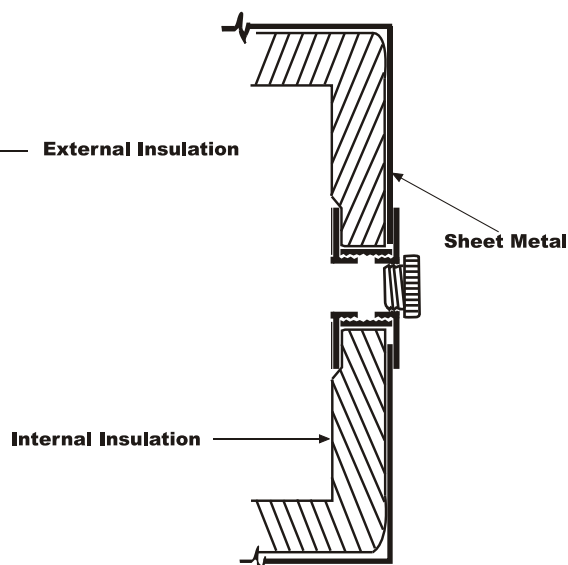
WITHOUT INSULATION

1. Using $\varnothing 1-1/4"$ (32mm) hole-saw to make hole on the metal duct.
2. Put 'Class 1' Gasket or Duct Sealant such as 3M 750C or equivalent, on the contact surface between the THREAD PORT, & metal duct.
3. Put the THREAD PORT externally on position and fix with 3 screw.

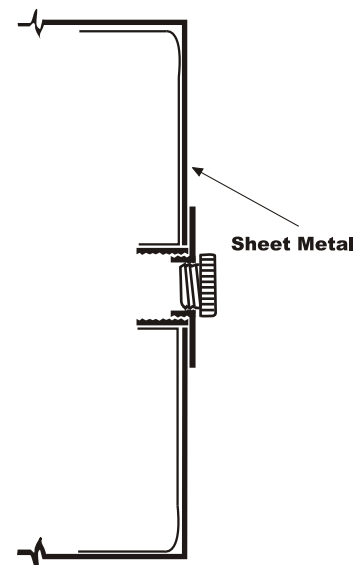
WITH EXTERNAL INSULATION



WITH INTERNAL INSULATION



WITHOUT INSULATION



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Test Report on Rectangular Air Duct Cross Joint

Objective of Test:

To test a sample of rectangular air duct fitted with 1 No. Access Door and 1 No. Air Duct Cleaning/Service Point for general compliance with DW/TM1 in respect of air leakage limits for the high pressure class (Class C).

Air Duct Sample Submitted by:

Luen Ming Pengshan Air Conditioning Factory Limited,
Flat 9, 7/F, Ricky Centre,
36 Chong Yip Street,
Kwun Tong, Kowloon,
Hong Kong.

Description of Air Duct Sample:

Pressure class applied for: High Pressure Class C

The air duct sample was made of 1.0mm thick galvanized steel sheet, of size 1250mm x 450mm x 2400mm long fitted with 1 No. “*黎明 LM-AD:M Access Door*” and 1 No. “*黎明 Air Duct Cleaning/Service Point*” complete with 2 Nos. “*黎明 LM-130*” galvanized steel slide-on flange (0.7 mm thick) c/w 8 Nos. corner piece and C-clamps.

The flanged joint was located at the mid-point along the length of the duct, both ends of which were blanked off with tappings provided on one end for pressurization and air pressure measurements. 2 Nos. 40mm x 40mm x 5mm angle stiffener were provided mid-way between the flanged joint and the duct ends.

According to Luen Ming Pengshan Air Conditioning Factory Limited, “PAL-TC98” Class ‘O’ butyl sealant tape was applied to the flange joint for air tightness.

Test Completed on:

7 April 2009

Test Results:

The following test results were obtained based on tests carried out in accordance with the requirements of DW/TM1.

Surface area of duct = 8.16 m²

Air Pressure (Pa)	Measured Leakage (l s ⁻¹)	Maximum Allowable Leakage (l s ⁻¹)
2000	0.82	1.37
-750	-0.48	-0.72

The test results showed that the submitted sample, with the Access Door and Air Duct Cleaning/Service Point installed, complied with the specifications of DW/TM1 in respect of air leakage limits for the pressure class applied for.

Date: 12 June 2009

Signed: _____



H.N. Lam