



DEPARTMENT OF CIVIL ENGINEERING
FACULTY OF ENGINEERING
KING MONGKUT 'S INSTITUTE OF TECHNOLOGY
LARDKRABANG BANGKOK THAILAND.

TYPE OF TEST : Air Leakage and Pressure Drop Test for Volume Damper

TEST SPECIMEN : Rectangular Volume Damper, Type : VL
The Specimen is 300 mm. Width and 500 mm. Height
with 3 blades. The material is galvanized steel sheet.

BRAND : STREAM AIR

CLIENT : PCJ INDUSTRIES CO., LTD.

DATE OF TEST : 13/05/2004

TEST MACHINES : Wind Turnel (AEROTECH)
Tilting Multitube Manometer

TEST METHOD : SOME PART OF AMCA STANDARD 500 D -98

TEST RESULTS : Leakage 4.70 CFM/ft² at 1 inches water gauge
Leakage 13.15CFM/ft² at 4 inches water gauge
Conformed to UL555S, Classification II

REMARK :-

- 1) CERTIFICATION APPLIES TO TEST SAMPLES ONLY.
- 2) NO ERASURE OR ALTERATIONS.

APPROVED BY :


(MR. LAEMTHONG LAOKHONGTHAVORN)
Head of Civil Engineering Laboratory

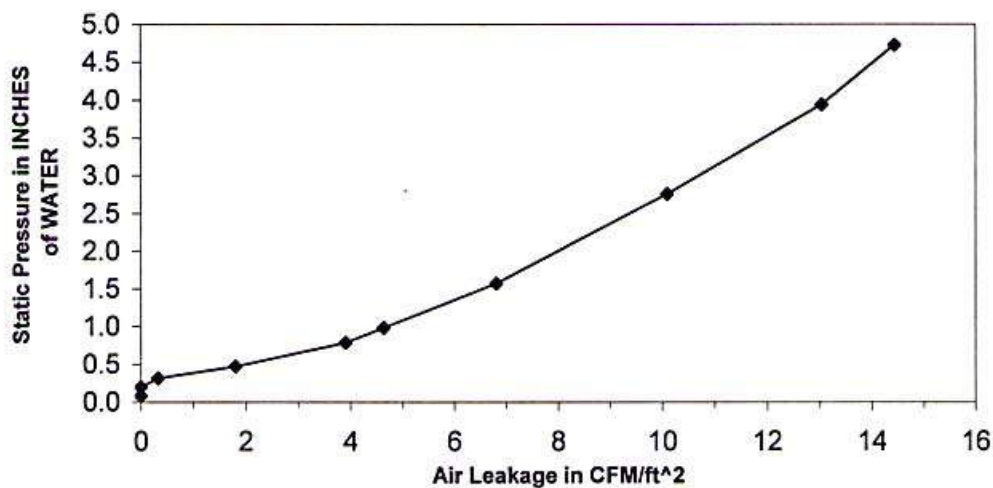




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LARDKRABANG BANGKOK THAILAND. TEL. 0 - 2326 - 4216

Project :	RECTANGULAR VOLUME DAMPER	Ref. No. :	47537
	" STREAM AIR" Type : VL		
Sample From :	PCJ INDUSTRIES CO., LTD.	Submitted Date :	19/04/2004
Method of testing:	Some Part of AMCA STANDARD 500 D -98	Date :	14/05/2004

Air Leakage - Damper Type : VL



REMARKS :-

Note : 1) CERTIFICATION APPLIES TO TEST SAMPLES ONLY.

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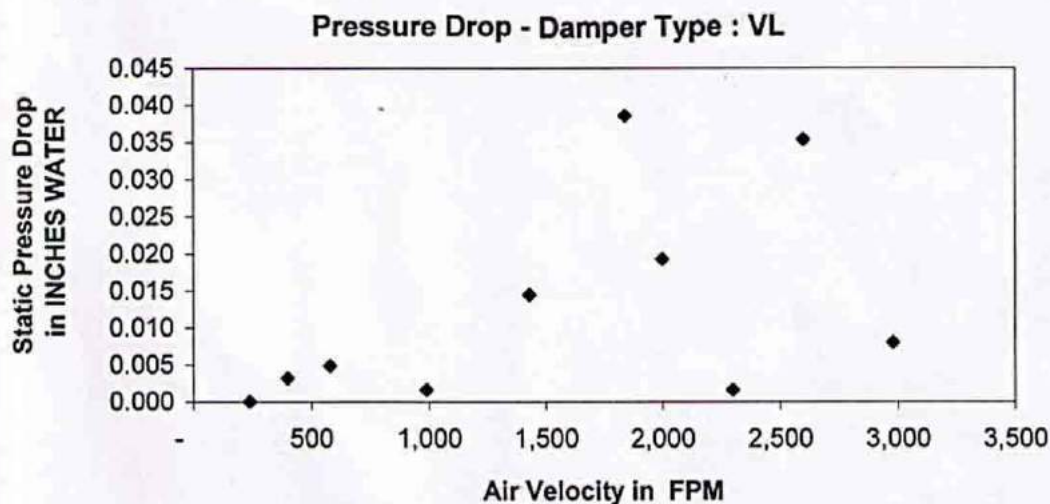

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Project : RECTANGULAR VOLUME DAMPER
" STREAM AIR" Type : VL
Sample From : PCJ INDUSTRIES CO., LTD.
Method of testing: Some Part of AMCA STANDARD 500 D -98

Ref. No. : 47537
Submitted Date : 19/04/2004
Date : 14/05/2004



REMARKS :-

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TYPE OF TEST : Air Leakage and Pressure Drop Test for Round Volume Damper, Low Leakage

TEST SPECIMEN : Round Volume Damper, Low Leakage, Type :RVL
The Specimen is 300 mm. Diameter with 1 Blade.
The material is galvanized steel sheet.

BRAND : STREAM AIR

CLIENT : PCJ INDUSTRIES CO., LTD.

DATE OF TEST : 21/06/2004

TEST MACHINES : Wind Turnel (AEROTECH)
Tilting Multitube Manometer

TEST METHOD : SOME PART OF UL 555S

TEST RESULTS : Leakage 0.10 CFM/ft^2 at 1 inche water gauge
Leakage 2.48 CFM/ft^2 at 4 inches water gauge
Conformed to UL555S, Class I

REMARK :-

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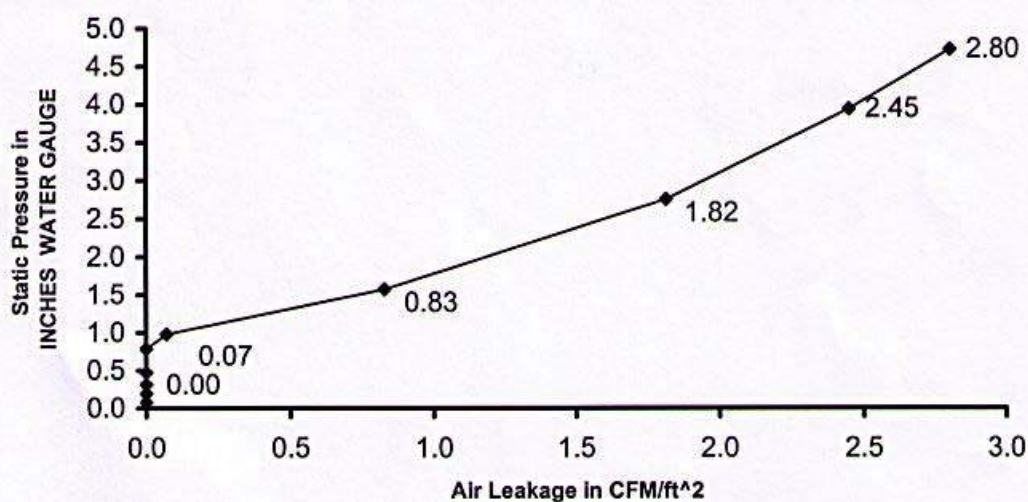
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Project :	ROUND VOLUME DAMPER,LOW LEAKAGE	Ref. No. :	47745
	" STREAM AIR" Type : RVL		
Sample From :	PCJ INDUSTRIES CO., LTD.	Submitted Date :	22/07/2004
Method of testing:	Some Part of UL555S	Date :	21/06/2004

Air Leakage - DAMPER Type:RVL



REMARKS :-

Note : 1) CERTIFICATION APPLIES TO TEST SAMPLES ONLY.

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Project : ROUND VOLUME DAMPER, LOW LEAKAGE

Ref. No. : 47745

"STREAM AIR" Type : RVL

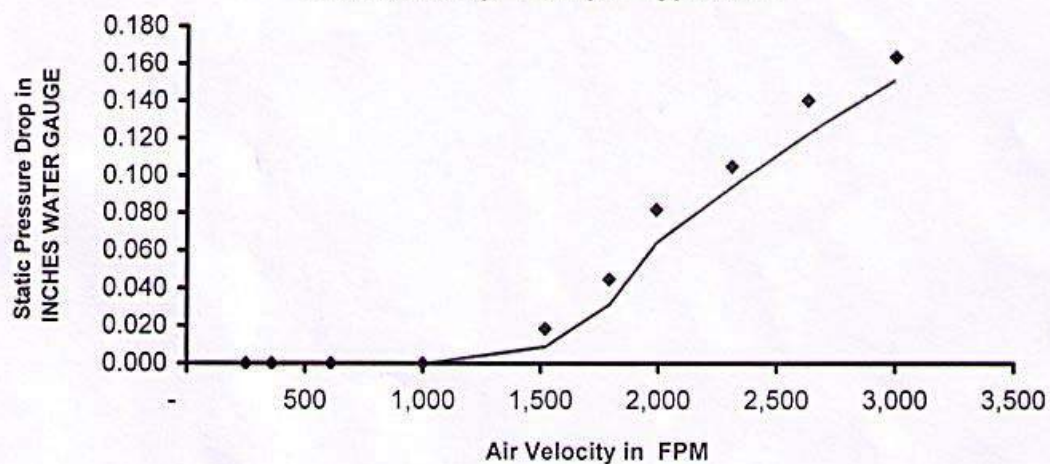
Sample From : PCJ INDUSTRIES CO., LTD.

Submitted Date : 22/07/2004

Method of testing: Some Part of UL555S

Date : 21/06/2004

Pressure Drop - Damper Type: RVL



REMARKS :-

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TYPE OF TEST : Air Leakage and Pressure Drop Test for Volume Damper

TEST SPECIMEN : Flat Oval Volume Damper, Type : OVL
The Specimen is 750 mm. Width and 250 mm. Height
with 1 blades. The material is galvanized steel sheet.

BRAND : STREAM AIR

CLIENT : PCJ INDUSTRIES CO., LTD.

DATE OF TEST : 13/05/2004

TEST MACHINES : Wind Turnel (AEROTECH)
Tilting Multitube Manometer

TEST METHOD : SOME PART OF AMCA STANDARD 500 D -98

TEST RESULTS : Leakage 5.96 CFM/ft² at 1 inches water gauge
Leakage 15.77CFM/ft² at 4 inches water gauge
Conformed to UL555S, Classification II

REMARK :-

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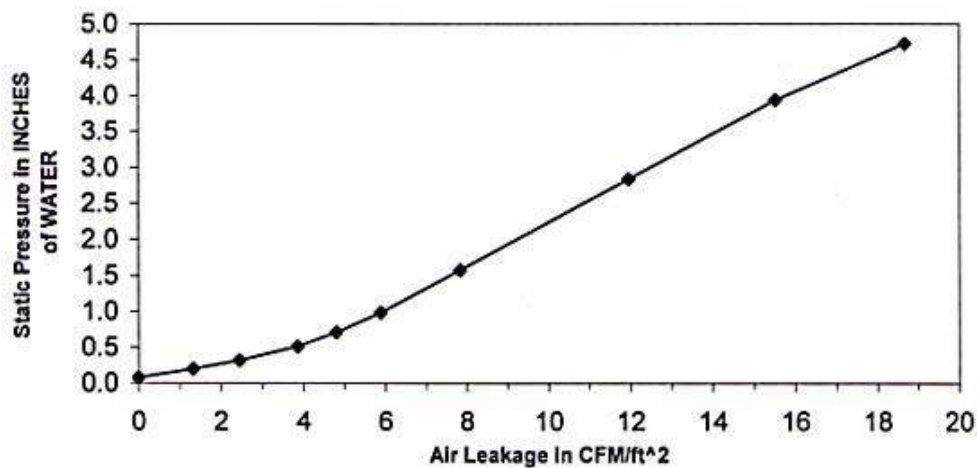
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Project :	FLAT OVAL VOLUME DAMPER "STREAM AIR"	Ref. No. :	47537
	Type : OVL		
Sample From :	PCJ INDUSTRIES CO., LTD.	Submitted Date :	19/04/2004
Method of testing:	Some Part of AMCA STANDARD 500 D -98	Date :	14/05/2004

Air Leakage - Damper Type : OVL



REMARKS :-

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Laemthong Laokhongthavorn

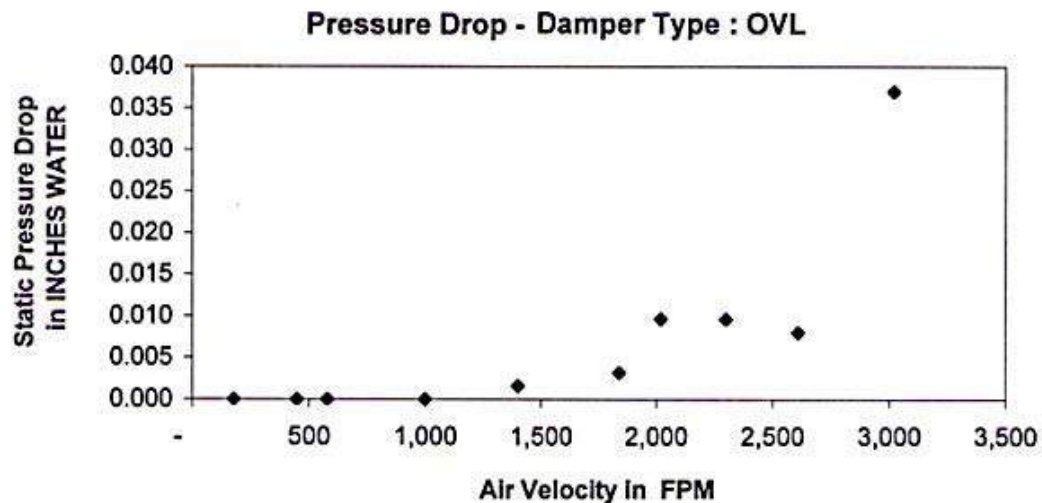
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Project : FLAT OVAL VOLUME DAMPER "STREAM AIR" Ref. No. : 47537
Type : OVL
Sample From : PCJ INDUSTRIES CO., LTD. Submitted Date : 19/04/2004
Method of testing: Some Part of AMCA STANDARD 500 D -98 Date : 14/05/2004



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