



TEST REPORT TUCHENG

Date: _____ Date of Receipt: _____

Report No.: _____ Quantity: 1 PC Page Order/Pages: (P1/4) Ref. No.: NIL

Report Title: _____ Item: Filter

Address: _____

Filter Test Report

I. Sample Descriptions

- (1) Manufacturer : Freudenberg & Vilene Nonwovens (Taiwan) Co.,Ltd.
- (2) Sample Name : Engine Intake Air Filter (ZJ0113Z40-O)
- (3) Media Color : White

II. Test Conditions

- (1) Test standard : ISO 5011:2000
- (2) Volume airflow rate : 180 CFM
- (3) Temperature : 25±2°C
- (4) Humidity : 44±5%
- (5) Dust Type : ISO A2 Fine Dust

III. Testing Results

- (1) Initial resistance : 176.2 Pa Final pressure drop : 3000.0 Pa
- (2) Dust holding capacity : 63.9 g
- (3) Average arrestance : 99.2 %

Before Testing



After Testing



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Authorized by president of
Taiwan Textile Research Institute

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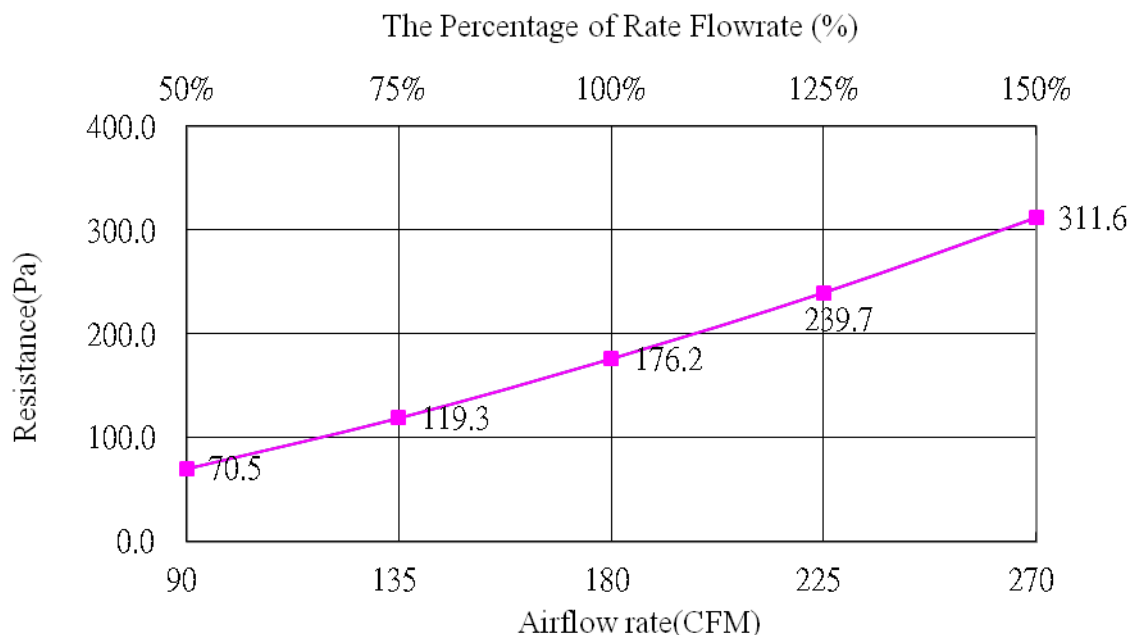
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(4) Measurement of resistance vs. airflow

Resistance of clean device vs. airflow



Airflow rate in % of rated airflow	Airflow rate		Resistance	
	CFM	CMH	Pa	in. H ₂ O
50%	90	153	70.5	0.28
75%	135	230	119.3	0.48
100%	180	306	176.2	0.71
125%	225	383	239.7	0.96
150%	270	459	311.6	1.25

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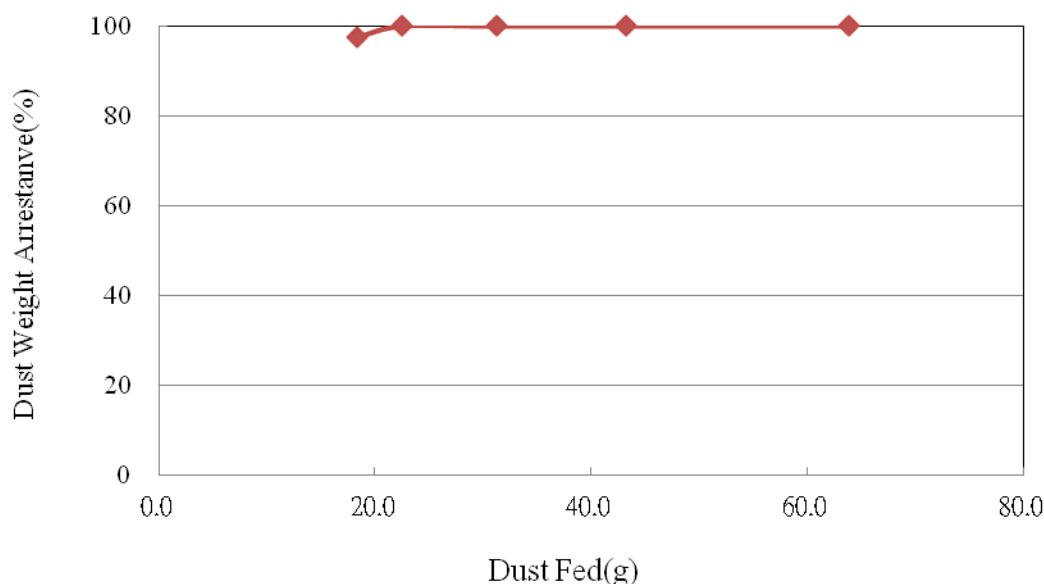
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(5) Dust loading



Phase	Pressure drop (Pa)	Dust fed (g)	Arrestance (%)
1st loading	362.5	18.3	97.3
2nd loading	458.6	4.2	100.0
3rd loading	882.2	8.8	100.0
4th loading	1588.1	11.9	100.0
5th loading	3000.0	20.7	100.0

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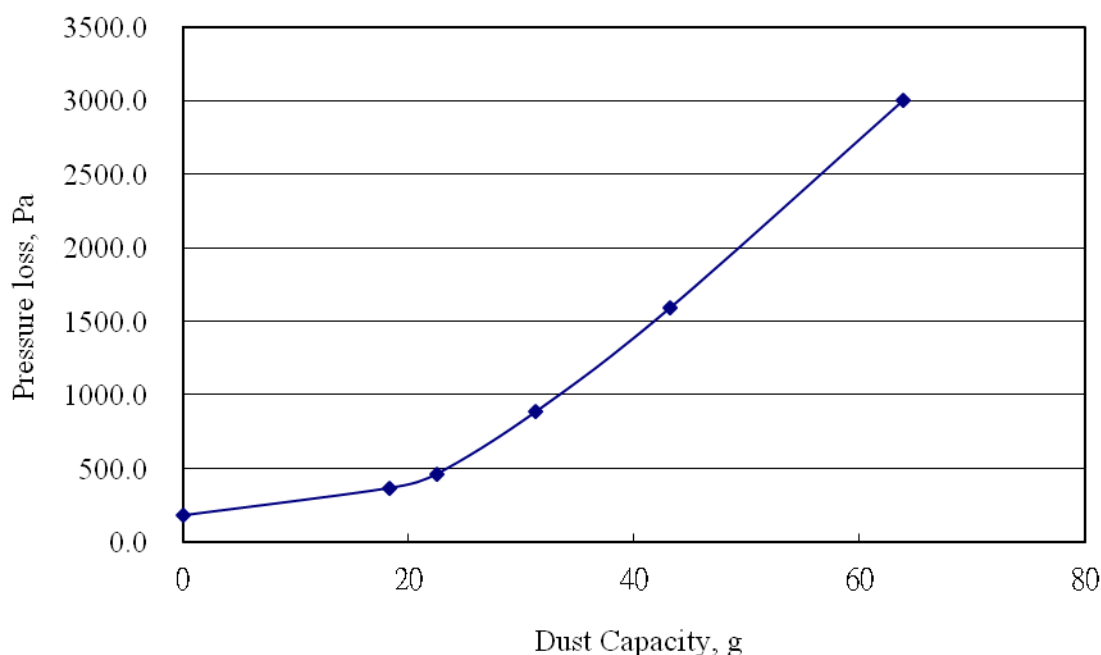
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Pressure difference versus dust capacity



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