Blue Heaven Technologies

2820 S. English Station Road - Louisville, KY 40299

**TEST NO.** 15-1522

# Test Report - ISO 5011 Performance Testing

7.0 Test Procedure for dry-type air cleaners - Industrial Applications



## 1. Test Unit

Manufacturer: Premium Filter SAS
Part Number / Identifier: AIP-890
Pre-Cleaner: N/A
Primary Element:
Secondary Element: N/A
☐ Dust Cap ☐ Unloader Valve
☐ Tubular Inlet ☑ Non-Tubular Inlet Cylindrical Air Filter
Outlet: 6.25"

## 2. Test Conditions

Test Dust: ISO Coarse A-4 Dust Batch Number: 12182C
Pre Barometer (" Hg): 29.51 Post Barometer ("Hg): 29.46
Pre Temperature: (°F): 73.8 Post Temperature (°F): 79.7
Pre-Test Humidity (%): 45.8 Post Test Humidity (%): 40.5
Applied Method: ☐ Direct Weighing Method ☑ Absolute Filter Method
Rated Air Flow (CFM):
Test Air Flow (CFM): 1000 ☑ Steady ☐ Variable
Test Terminal Condition: 15.0" Pressure Drop above start pressure at 1000 CFM
Dust Feeder Type: ASHRAE feeder
Dust Concentration (g/ft$^3$): (0.5 grams per cubic meter)
Number of dust injectors: 1

## 3. Test Results

| | | |
|---|---|---|
| Restriction (at test air flow): | **5.67** | " WG |
| Differential Pressure: | **5.67** | " WG |
| Pressure Loss: | **0** | " WG |
| Initial Efficiency: | **98.93** | % |
| Full-Life Efficiency: | **99.31** | % |
| Pre-Cleaner Efficiency: | **N/A** | % |
| Capacity: | **437.38 g DHC at 20.67" WG** | grams |

## 4. Comments

Requestor Information

Test Requestor: Harvey Alexander Pulido Phone Number: (571)-421-1077
Company Name: Premium Filters SAS Email: rencia@premiumfilters.cor
Company Address: Autop Norte KM 36, TOC, CUND, Colom Date Requested: 9/22/2015

Test Operator Information

Test Performed by: Tyler Shoulders Completion Date: 11/3/2015

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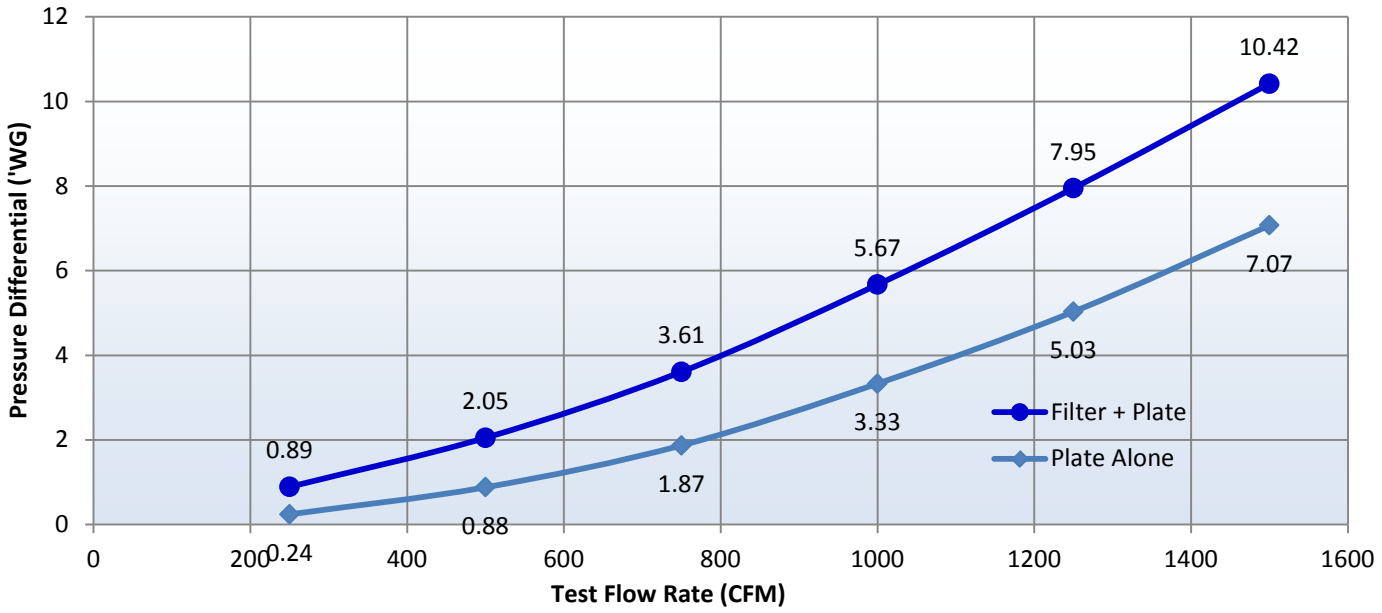
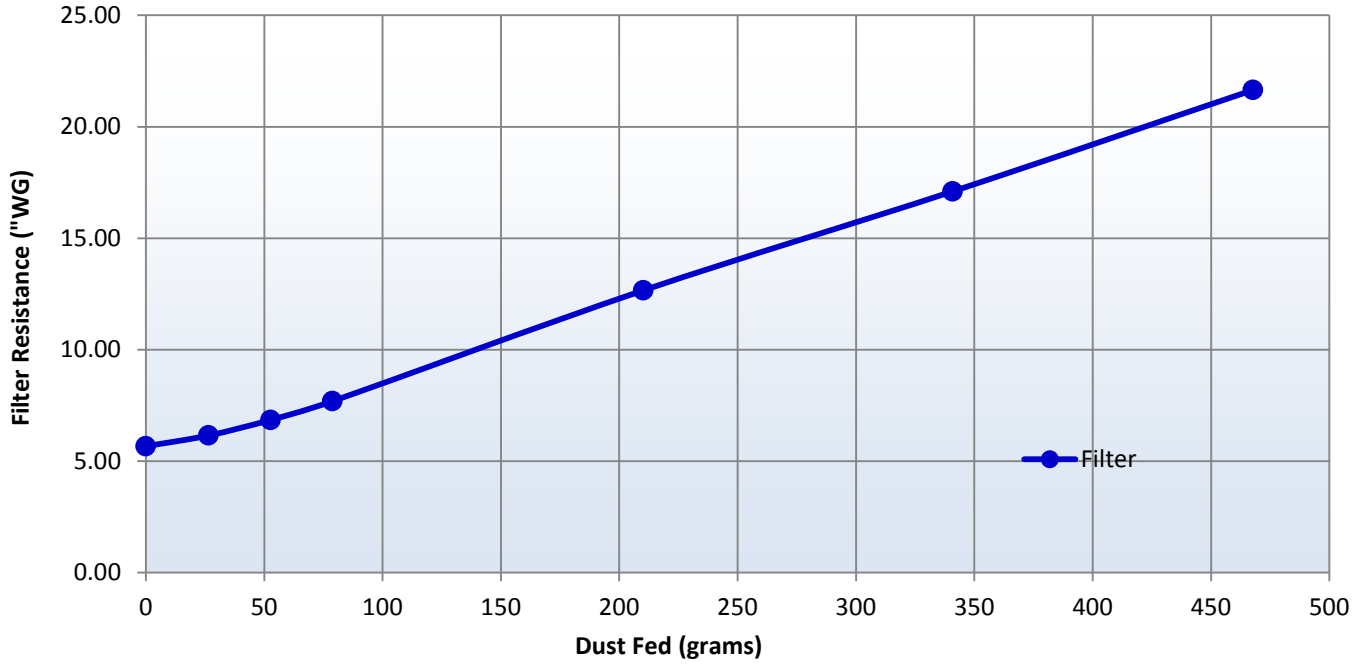
## Air Cleaner Restriction / Differential Pressure vs. Flow Rate




## Dust Fed vs. Resistance




| | | | |
|---|---|---|---|
| Requestor Information | Test Requestor | Harvey Alexander Pulido | Phone Number (571)-421-1077 |
| | Company Name | Premium Filters SAS | Email: gerencia@premiumfilters.com.c |
| | Company Address | Autop Norte KM 36, TOC, CUND | Date Requested 9/22/2015 |
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