



2820 S. English Station Road - Louisville, KY 40299

TEST NO. 23-180-1

Test Report - ISO 5011 Performance Testing

6.0 Test Procedure for dry-type air cleaners - Automotive Application

page 1 of 2

1. Test Unit

Manufacturer: Premium Filters SAS
 Part Number / Identifier: AIP-821 / 170 Pleats
 Pre-Cleaner: N/A
 Primary Element: AIP-821
 Secondary Element: N/A
 Dust Cap N/A Unloader Valve N/A
 Tubular Inlet N/A Non-Tubular Inlet N/A
 Outlet: 5.25"

2. Test Conditions

Test Dust: ISO Coarse Dust Batch Number: 15229C
 Pre Barometer (" Hg): 29.57 Post Barometer ("Hg): 29.56
 Pre Temperature: (°F): 75 Post Temperature (°F): 76
 Pre-Test Humidity (%): 55 Post Test Humidity (%): 53
 Applied Method: Direct Weighing Method Absolute Filter Method
 Rated Air Flow (ft/minn): 1000 Steady Variable
 Test Air Flow (ft/min): 1000
 Test Terminal Condition: 24" w.g. / 6000 Pa
 Dust Feeder Type: ASHRAE feeder
 Dust Concentration (g/m³): 0.5 g/m³
 Number of dust injectors: 1

3. Test Results

Restriction (at test air flow): **4.45** " WG
 Differential Pressure: **4.45** " WG
 Pressure Loss: **0** " WG
 Initial Efficiency: **99.85** %
 Full-Life Efficiency: **99.26** %
 Pre-Cleaner Efficiency: **N/A** %
 Capacity at Termination: **1116.54 g DHC at 24" WG** grams

4. Comments

Requestor Information

Test Requestor Harvey Pulido Phone Number 57-1-421-1077
 Company Name Premium Filters SAS Email: gerencia@premiumfilters.
 Company Address N/A Date Requested 4/6/2023

Test Operator Information Test Performed by: N Singer

Reviewed by: THS

Completion Date 7/11/2023



2820 S. English Station Road - Louisville, KY 40299

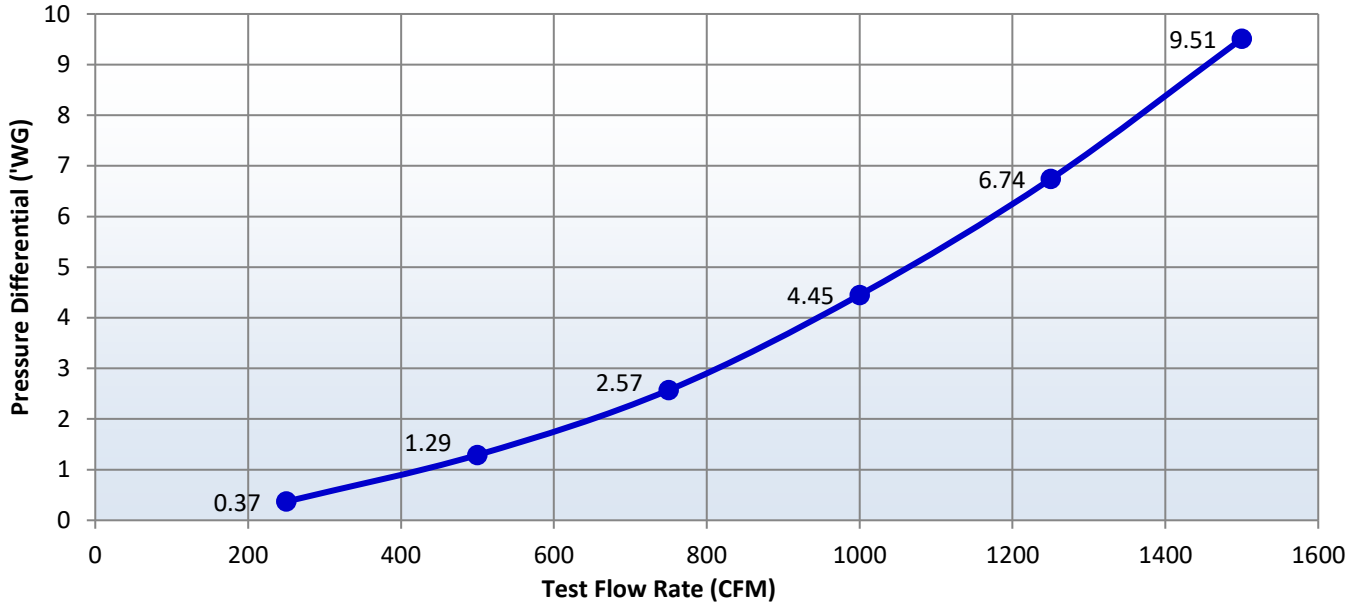
TEST NO. 23-180-1

Test Report - ISO 5011 Performance Testing

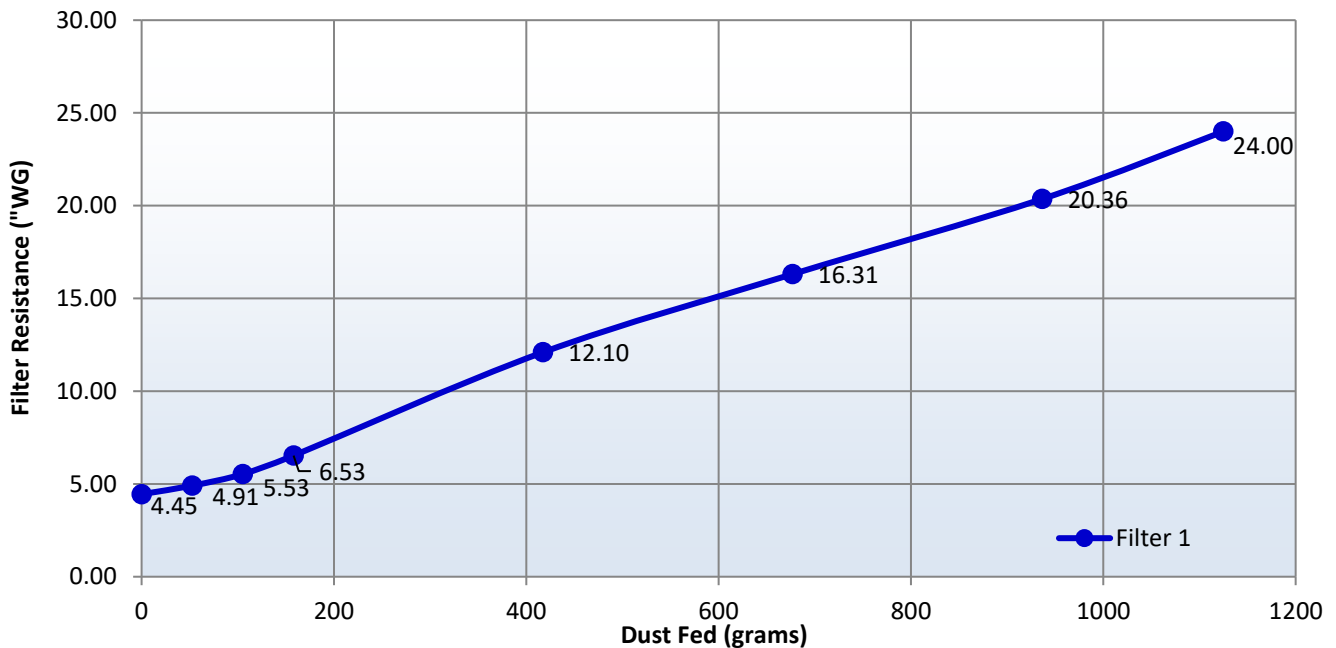
6.0 Test Procedure for dry-type air cleaners - Automotive Application

page 2 of 2

Air Cleaner Restriction / Differential Pressure vs. Flow Rate



Dust Fed vs. Resistance



Requestor Information

Test Requestor Harvey Pulido
 Company Name Premium Filters SAS
 Company Address N/A

Phone Number 57-1-421-1077
 Email: gerencia@premiumfilters.com
 Date Requested 4/6/2023

Test Operator Information Test Performed by: N Singer

Reviewed by: THS

Completion Date 7/11/2023



Requestor Information

Test Requestor Harvey Pulido
 Company Name Premium Filters SAS
 Company Address N/A

Phone Number 57-1-421-1077
 Email: gerencia@premiumfilters.com
 Date Requested 4/6/2023

Test Operator Information Test Performed by: N Singer

Reviewed by: THS

Completion Date 7/11/2023