

Particulate Contamination in Aviation Fuels by Laboratory Filtration

ASTM D 5452, IP 423

Product group(s): Fuel

User group(s): Airports & Aviation, Aviation Fuel, Jet, Jet Fuel, Kerosene

Scope: This test method covers the gravimetric determination by filtration of particulate contaminant in a sample of aviation turbine fuel delivered to a laboratory.

This test method provides a gravimetric measurement of the particulate matter present in a sample of aviation turbine fuels delivered to a laboratory for evaluation.

The objective is to minimize these contaminants to avoid filter plugging and other operational problems.

Although tolerable levels of particulate contaminants have not yet been established for all points in fuel distribution systems, the total contaminant measurement is normally of most interest.



Laboratory Filtration Test Equipment

More details are mentioned in the "Order Number" section

Main Unit

16-1960

Vacuum Filtration

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Consisting of:

- 1 support test stand
- 1 filter holder/funnel assembly
- 2 flasks, 4 liter
- 1 dispensing plug for 1 gallon sample can
- 1 dispensing cap for 1 gallon sample can
- 1 flask to flask connect hose
- 1 vacuum attachment/stopper assembly (however without vacuum pump)
- 1 flask bonding and grounding cable
- 1 apparatus bonding and grounding cable
- 1 membrane filter, pack of 100

Options & Accessories

16-1965

Solvent Filtering Dispenser Set

Ultraclean and dispense small volumes of solvent by squeeze-bottle action. Hand-pressure operated dispenser with holder fitted with a delivery tube. Use to direct filtered solvent against surface.

Supplied with:

Membrane Filter with pore size: 0,45 µm and Ø 25 mm,
pack of 100.

Spare Parts

16-1961	Membrane Filter, pack of 100 pore size: 0.8 µm with Ø 47 mm
16-1966	Solvent Filtering Dispenser, made of glass for membrane filter with Ø 25 mm
13-1344	Membrane Filter, pack of 100 pore size: 0.45 µm with Ø 25 mm

Order Guideline

Minimum equipment:	1x 16-1960
Spares (approx. 1 year):	1x 16-1961
Additional requirements:	