

## FILTRATION TESTS

### 16160-2 SSAFCON SAMPLER

ASTM D2276; D3830 (obs); IP 216; FTM 791 3008

- Filter tests for particle contamination and colour rating of Aviation Fuels
- Eliminates the exposure of fuel during testing
- In-line test - no fuel disposal/waste requirement
- Improves operator safety

SSAFCON is a unique monitoring system for portable line sampling of aviation turbine fuel to determine particulate contamination and colour ratings.

SSAFCON assists the routine filtration performance tests such as ASTM D2276-IP 216, which are carried out at fuel terminals and throughout airport distribution systems. The system provides a self contained and safer alternative to traditional hose end sampling, eliminating trailing hoses and exposure to fuel in the airport service area.

SSAFCON mounting trays (16165-2) are permanently installed at the sampling points downstream of the filtration system, typically at a designated static test site, hydrant dispenser or onboard the fuelling vehicle. SSAFCON Sampler (16160-2) connects to the mounting tray by self-sealing quick release couplings and an earthing clip. Docking/undocking of the Sampler is rapid and safe.

An integral volume meter and pressure valve are used to control flow rate and monitor the volume of fuel passed through the filter. After sampling, the Sampler is quickly and safely disconnected from the Tray and the filter removed for gravimetric or colorimetric analysis.

SUPPLIED WITH: fitting kit and full instructions.



SETAPLUS EXTENDED WARRANTY AVAILABLE



TECHNICAL DATASHEETS AVAILABLE

#### SPECIFICATIONS

Size (HxWxD):	10 x 20 x 40cm
Weight:	6kg



16160-2 (Mounting Tray and Monitor Cases supplied separately)

#### ACCESSORIES - SSAFCON Sampler

##### REQUIRED

- 16165-2 MOUNTING TRAY, supplied with compression fittings suitable for connection to 1/4 inch o/d fuel line.
- 16170-0 MONITOR CASE (reusable), pack of 48.
- 16180-0 FILTER (37mm dia., 0.8µm) AND SUPPORT PAD (disposable), pack of 100.
- OR
- 16190-0 MONITOR REFILL, matched weight, with thick absorbent pads. Alternative to 16180-0, avoids need to initially weigh the filter, pack of 50.

##### OPTIONAL

- 16200-0 COLOUR RATING BOOKLET, ASTM, each colour reference is certified by Munsell Colour to standards for chroma, value and hue, and laminated for fuel resistance. In accordance with ASTM D2276-IP 216/D3830 (obs).
- 16210-0 COLOUR AND PARTICLE RATING CHART, 33 colour and 9 particulate photographs on one chart. Colours in accordance with ASTM D2276-IP 216 and particulate references by permission of Shell Oil.
- 16220-0 TWEEZERS, with blunt points and slip lock to grip filters, pack of 2.
- 16230-0 FILTER FILE, notebook with 10 filing pages, and 500 mini envelopes to hold filters.
- 99200-2 LABORATORY OVEN, (for details see page 137).
- 45000-0 SETAPLUS EXTENDED 12 MONTH WARRANTY

Note: Other items which may be required include: Hoses, Solvents, Balance.

### 19720-0 FILTRATION KIT

IP 440; EN 12662

- Filtration test for Middle Distillates

Comprises 0.8 micron Filter, Filter Membrane, stainless steel Filter Holder with stainless steel screen, Filter Forceps, Vacuum Filtering Flask, 250ml Beaker, 600ml Beaker, 1 litre Beaker, Watch Glass, and Tubing.

### 19722-0 SSAFLAB FILTRATION KIT

ASTM D5452; IP 423

- Filtration test for Aviation Fuels

Comprises 0.45 micron Filter, matched weight pair of 0.8 micron Filters, stainless steel Filter Holder with stainless steel screen, Filter Forceps, 25mm Solvent Filtering Dispenser, Vacuum Filtering Flask, and Petrislide.

### 19724-0 FILTRATION KIT

ASTM D6217; IP 415

- Filtration test for Middle Distillates

Comprises 0.8 micron Filter, stainless steel Filter Holder with stainless steel screen, Filter Forceps, 25mm Solvent Filtering Dispenser, 2 x Vacuum Filtering Flasks 1 litre cylinder, Watch Glass and Tubing

#### ACCESSORIES - Filtration Kits

##### OPTIONAL

- 19725-0 VACUUM PUMP & REGULATOR
- 99100-2 ANALYTICAL BALANCE, (for details see page 141).
- 99200-2 LABORATORY OVEN for sample pre-conditioning, (for details see page 137).
- 99205-0 DESSICATOR, 200ml and disc (19720-0 only).
- 99206-0 SILICA GEL (19720-0 only).