

91600-3 SETA MFT MULTI FILTRATION TESTER

ASTM D2068; IP 387 (Procedures A, B & C);
Correlates with ASTM D6426 (COLD SOAK); IP PM EA/08

- Portable test for filterability/blocking tendency of Fuel Oils
- Testing of Bio components including FAME material and cold soak testing
- Easy to use, fully automated operation
- Large LCD display
- Results in less than 15 minutes
- Automatic calculation of FBT and F-QF
- Simple calibration/verification of flow, pressure and temperature
- Interface for PC or Printer
- Downloadable Filterability Graph
- Setalert remote alarm option
- Filter housing and filter packs are available according to test method requirements

The Seta Multi Filtration Tester is a unique and flexible instrument designed to test distillate fuels including gas oil, gas turbine fuel, kerosine, diesel, biodiesel and biodiesel blends. It performs both existing IP 387/D2068 and D6426 methods, and offers the possibility of testing other types of fuel and adopting future filtration and filterability test procedures.

MFT is microprocessor controlled and provides a simple user interface using 2 buttons and the Seta Multifunctional And Rotational Test (SMART) control feature in conjunction with a backlit alphanumeric 4 line display. The SMART control is exceptionally easy to use for selecting different tests, setting parameters and for calibration of the temperature and pressure sensors. The display provides the operator with test procedure information as well as indicating the selected test method, sample temperature, pressure, volume and the test result.

A printer can be connected to provide a permanent record of the test parameters, results and a filterability graph.

The software permits the operator to set the test volume of liquid up to 1 litre and a maximum pressure of 200kPa. This allows both specification testing and gravimetric tests to be carried out in conjunction with the appropriate filters and holders.

The fuel sample is drawn from the integral fuel reservoir by the pump, and an efficient pulse damper provides smooth and continuous flow. The pressure and temperature of the fuel are continuously monitored while it is pumped through the specified filter into the waste container. The recorded pressure rise, or the volume of pumped sample that causes a specified pressure to be exceeded, are used by the microprocessor to calculate the test result. Standard tests use 300ml of fuel pumped at 20ml/min. Verification and re-calibration is simple and secure.

SUPPLIED WITH: mains lead and instruction manual.



91600-3

SPECIFICATIONS

Filter blocking tendency (FBT) range:	1.0 to 30 (low number is best)
Filterability quality factor (FQF) range:	100 to 1 (high number is best)
Maximum pressure:	200kPa
Power:	500W
Voltage:	110/120V, 50/60Hz 220/240V, 50/60Hz (switchable)
Size (HxWxD):	27 x 43 x 26cm
Weight:	10kg

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ACCESSORIES - Multi Filtration Tester

REQUIRED

- 91615-0 START-UP KIT, PROCEDURE A, comprises filter holder, tweezers, 100 1.6µm filters & exit tubing.
- OR
- 91616-0 START-UP KIT, PROCEDURE B, comprises adaptor, 1.6µm encapsulated filters & exit tubing.
- OR
- 91635-0 START-UP KIT, PROCEDURE C, comprises, 5µm encapsulated filters & exit tubing.

OPTIONAL

- 00100-0 SETALERT REMOTE PAGING SYSTEM
- 81002-2 PRINTER
- 91640-0 HOLDER, for 25mm filters.
- 91645-0 MAINTENANCE KIT (all necessary O rings and seals, two cleaning wires, a damper key, and replacement fuse).
- 91650-0 CARRY CASE

CALIBRATION, VERIFICATION & TRAINING

- 22750-2 DIGITAL STOPWATCH, hand-held, 0.1s resolution (for details see page 141).
- 91660-0 MEASURING CYLINDER
- 91662-0 PRESSURE CALIBRATOR, 76mm pressure gauge.
- CALIBRATION CERTIFICATE (WORKS)
- 99922-0 PRECISION DIGITAL THERMOMETER (for details see page 130).

CONSUMABLES - Multi Filtration Tester

100 Tests	Qty
81002-201 PRINTER PAPER, pack of 20	1
91615-001 FILTERS (A), 1.6µm, pack of 100	1
91616-001 ENCAPSULATED FILTERS (B), 1.6µm, pack of 100	1
91635-001 ENCAPSULATED FILTERS (C), 5µm, pack of 100	1