



Falex 400 for ASTM D3241

Thermal Oxidation Stability of Aviation Turbine Fuels

- ▶ True Pour-n-Go Operation
- ▶ High Precision
- ▶ Improved Traceability
- ▶ Robust, Reliable and Compact

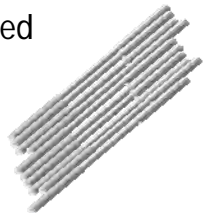


ASTM D3241 Thermal Oxidation Stability of Aviation Turbine Fuels requires a strict conformance for the jet fuel industry for this critical test. The Falex 400 matches results due to the critical equipment specification that controls the heater test section and test conditions.

Designed for years of long operation, the reliable Falex 400 provides traceability, long maintenance intervals and results you can trust:

- ◆ Automatic aeration and fuel cleaning at the beginning of the test
- ◆ Priming is a snap with easy access and processor control
- ◆ Certified thermocouples guarantee accuracy without the need for calibration with lead.

From the world's oldest leading supplier of Standard Tribology Test Specimens comes the **NEW Falex Heater Tube**.



Falex Heater Tubes are certified to meet all of the ASTM D3241 and IP 323 requirements for dimensions, surface finish and material, giving you the maximum assurance and peace-of-mind that you need when testing aviation jet fuels.

Falex Corporation guarantees quality and conformity for every instrument and test specimen.



Methods

Designed to run in accordance with:

- ◆ ASTM D3241
- ◆ IP 323
- ◆ ISO 6249



Falex 400 for ASTM D3241

Operational Features

- Fast and Easy Operation
 - * Pour-and-Go operation
 - * Large, Color Touch Screen
 - fully protected against fuels and solvents
 - * Automatic Aeration
- Automatic Sample Introduction
 - * Less than 600 ml are needed
 - * Ideal for Field Applications, mobile Laboratories
- Save a specific temperature as your standard test temperature
- Calibration is a breeze
 - * Push-button Flow verification; do it anytime as required
 - * Serialized calibrated temperature probes
- Automatic humidity sensor guarantees method compliance
- Maintenance Free Pump and Rugged Solenoid Valves
- Detailed On-Screen Reports and On-Board Result Database
- An optional certified differential pressure calibrator eliminates the traditional measuring and calculating to quickly verify, or recalibrate the ΔP without the use of fuel!



Safety Features

- No more fumbling for fuses! The Falex 400 is protected with automatic thermal fuses. Visual Indicators immediately indicate which thermal fuse has been tripped minimizing instrument downtime and without a fuse inventory.
- Built-in, easily stored integral filter funnel holder reduces spills and drips for increased safety
- Automatic leak-detection and safety shutdown system
- Fume absorbing carbon filters

The Falex Tube Reader incorporates a convenient automatic light switch that allows the operator to use both hands when evaluating a tube. The switch automatically shuts off to protect your critical, light-sensitive ASTM D3241 Color Standard.



Technical Data

| | |
|------------------------------|---|
| Test Temperature | 100 – 380°C |
| Differential Pressure | 0 – 300 mm Hg |
| System Pressure | 500 psi \pm 50 psi |
| Display | Large, Color, Fuel-Resistant Touch screen |
| Interfaces | RS-232, USB (2). USB is compatible with keyboards, printers, barcode readers and USB-drives. |
| Power | 115V, 8A or 230V, 4 A, 47 - 63 Hz |
| Dimensions | 406 x 508 x 711 mm / 80 kg 16 x 20 x 28 in / 175 lbs |

Ordering Information

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|-------------|--|
| 400-001-003 | Falex 400 Thermal Oxidation Tester, 115V |
| 400-001-004 | Falex 400 Thermal Oxidation Tester, 230V |

Consumables

| | |
|-------------|---|
| 400-560-001 | D3241 Heater Tube and Filter Kit, 12/pk |
| 400-018-003 | F400 Insulation Bushing Set (4 pcs) |
| 400-025-002 | Carbon Filters (5/pk) |
| 620-005-002 | F400 Tube O-Ring (25/bag) |
| 620-210-001 | F400 Pre-Filter O-ring |
| 648-400-004 | Box of Funnel Filters (100/box) |
| 648-400-005 | Box of Prefilters (25/box) |
| 400-027-003 | F400 Pre-filter screen |

Accessories

| | |
|-------------|---|
| 650-009-057 | Heater Tube Thermocouple, Certified |
| 420-111-001 | ASTM D3241 Color Standard for Tube Deposit Rating |
| 650-201-024 | Printer, 115/230V, 50/60 Hz |
| 665-400-004 | Re-usable Shipping Crate (w/ wheels) |
| 665-400-005 | Re-usable Shipping Crate (w/o wheels) |
| 420-001-003 | Falex Tube Reader, 115V |
| 420-001-004 | Falex Tube Reader, 230V |
| 665-420-001 | Falex Tube Reader case |



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