

SILVER CORROSION OF AVIATION TURBINE FUELS

Test Method

Tests the corrosiveness of aviation turbine fuels towards silver. A polished silver strip is immersed in a fuel sample at elevated temperature. After a specified test period, the strip is removed from the sample, washed and evaluated for corrosion.

Water Bath for Silver Corrosion

- Conforms to IP 227 specifications
- Six sample capability

Fully insulated, thermostatically controlled water bath with constant water level device. Use together with K25370 Bath Conversion Kit to immerse six 350mL test tubes for silver strip corrosion tests. Stainless steel inner wall and powder coated steel outer wall construction.



K25310 Constant Temperature Bath

| Ordering Information | | |
|---|--|-----------|
| Catalog No. | | Order Qty |
| K25310 | Water Bath, 115V 60Hz | 1 |
| K25319 | Water Bath, 220-240V 50/60Hz | 1 |
| K25370 | Bath Conversion Kit for IP 227 | 1 |
| Accessories | | |
| K25360 | Glassware Set for IP 227 Includes cold-finger condenser, glass cradle and 350mL test tube | 6 |
| K25280 | Silver Test Strip Conforming to IP 227 specifications | 6 |
| K25282 | ASTM D3241-IP 323 Color Standard | 1 |
| 250-000-12C | ASTM 12C Thermometer Range: -20 to +102°C | 1 |
| K25000 | Polishing Vise Holds silver strip firmly in place without marring the edges. Stainless steel, mounted on a composition base | 1 |
| 380-240-001 | Silicone Carbide Paper, 240-grit For final polishing of strips prior to testing. Pack of 50 sheets | 1 |
| 380-150-001 | Silicone Carbide Paper, 150-grit For polishing strips prior to testing. Pack of 50 sheets | 1 |
| 380-150-000 | Silicone Carbide Grain, 150-grit For polishing ends and sides of strips prior to testing. 1 lb package | 1 |
| Additional Accessories for D4814 | | |
| K25200 | Copper Strip Corrosion Test Bomb | 4 |
| 332-004-004 | Test Tube | 4 |

Specifications

Conforms to the specifications of:
 IP 227; ASTM D130, D4814, D6074, D6158; FSPT DT-28-65; IP 154;
 ISO 2160; DIN 51759; FTM 791-5325
 Testing Capacity: 6 samples for silver strip corrosion testing
 Maximum Temperature: 221°F (105°C)
 Temperature Control Stability: ±1°F (±0.5°C)
 Heater Range: 0-750W
 Bath Medium: 5 gal (18.9L) water
 Electrical Requirements: **CE**
 115V 60Hz, Single Phase, 7.5A
 220-240V 50/60Hz, Single Phase, 4A
 Temperature Control: Analog

Shipping Information

Shipping Weight: 29 lbs (13.2kg)
 Dimensions: 5.3 Cu. ft.

For NIST traceable certified thermometers, please refer to the ASTM Thermometer section on pages 184 through 191.