

Oxidation Stability Apparatus - Individual Tube Heater.

For,
 ASTM D943: Oxidation Characteristics of Inhibited Mineral Oils
 ASTM D2893: Oxidation Characteristics of Extreme-Pressure Lubrication Oils
 ASTM D2274: Oxidation Stability of Distillate Fuel Oil (Accelerated Method)
 ASTM D4871: Universal Oxidation/Thermal Stability Test Apparatus
 ASTM D4636: Oxidation Stability of Hydraulic , Aircraft Turbine Engine oil
 ASTM D5846: Universal Oxidation Test for Hydraulic and Turbine Oils
 ASTM D6594: Corrosiveness of Diesel Engine Oil at 135°C
 ASTM D4310: Sludging and Corrosion Tendencies of Inhibited Mineral Oils
 DKA A&B – CEC L 48 Oxidation: ATF and Gear Oil Testing
 S200 Oxidation: For Lubricants / Engine Oil

Oxi Plus series



^ MFC-Mass Flow Controller Model

The FORZA *Oxi Plus* is a high temperature Individual tube heater oxidation apparatus specially designed to perform the Oxidation Stability of Fuels and Lubricants.

Key Features

- *Digital indicating PID temperature control maintains $\pm 0.1^\circ\text{C}$ stability.
- *Temperature range of 40° to 350°C .
- *Supplied with Flowmeter-Rotameter (or) Mass flow Controller (MFC) for each test position.
- *Over Temperature safety cut off.
- *Each position have independent heaters, sensors, special insulation, temperature control and high temperature safety cut-off.
- *Unit is designed to operate all position at same temperature or at different temperature as desired by the client with specific attention to be able to maintain large differential temperatures position to position.
- *When position are unused they may be set to low temperature to save energy.

Apparatus Design

FORZA Heated Tube Apparatus also have the option of Mass Flow Controller arrangement along with the traditional float-in-tube flow meter (Rotameter) . Rotameters are typically affected by upstream and down stream pressure changes and will need tweaking almost once a day to maintain proper flow during a long-term test. But the Mass Flow Controller (MFC) will provide a rock steady flow rate all time Individual Tube heater Apparatus eliminate the need for expensive and hazardous bath mediums, which benefits laboratory safety, health, environmental, and maintenance issues plus tighter temperature stability, and the ability to operate each test position individually and at same temperature as well as different temperature as desired by the client which saves energy.

These units can be Custom-designed - Multiple oxidation test methods combinations in single equipment, Details available on request.

Can be supplied with: Oxygen/Air Delivery Tube, Test Tube, Condenser, filter assembly, Vacuum/Air pump etc.

