

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



ITH Oxi Plus series

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

Individual Tube heater Apparatus comes with Flow Meter-Rotameter (or) Mass flow controllers (MFC) for better precision and steady flow rate.



Key Features

- * Digital indicating PID temperature control maintains $\pm 0.1^{\circ}\text{C}$ stability
- * Temperature range of 40° to 250°C
- Supplied with 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

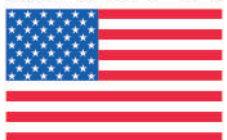
Apparatus Design

FORZA Optional Mass Flow Controller arrangement: Traditional Liquid Baths have only float-in-tube flow meter (Rotameter), Where FORZA Individual Tube heater baths comes with Mass flow controllers (MFC). Traditional Rotameters are typically affected by upstream and downstream 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.

Can be supplied with : Oxygen Delivery Tube, Test Tube, Mushroom Condenser, Membrane filter holder & funnel, glass, flask and SS filter support & ground straps, Vacuum pump, Vacuum gauge, and test tube rack, etc.

MADE IN



U. S. A.

