

CATALOG

VeroFoam

FOAMING TENDENCY ANALYZER



VeroFoam

TECHNICAL PARAMETERS

Foaming in oils can affect stability; air tests measure foam to assess performance.

Foaming in lubricating oils, particularly in applications involving turbulence, high-speed gearing, or high-volume pumping, can lead to inadequate lubrication, cavitation, overflow, and premature oxidation. To evaluate foaming tendencies, a controlled volume of air is introduced into the oil sample at specified temperatures. The resulting foam is measured immediately after aeration and at defined time intervals. In addition, the time required for the foam to fully collapse to zero after aeration is recorded, providing insight into the oil's stability and performance under operating conditions.

FEATURES

- This four-position heated liquid bath is designed to measure the foaming tendencies of lubricating oils within a temperature range of +20 to +150 °C. The analyzer is compact and robust, and it is fully automated in accordance with ASTM D892 and ASTM D6082 standards.
- The system features a Windows-based touchscreen PC that provides full control, monitoring, and measurement with a resolution of 0.01 and an accuracy of ± 0.1 °C. A long temperature probe is strategically positioned to ensure precise digital control of both the test sample and the temperature throughout the foaming process.
- Each test position is equipped with a digital airflow meter that includes automatic flow controllers for accurate air delivery to the diffuser. The airflow is precisely regulated depending on whether ASTM D892 or ASTM D6082 testing is being conducted.

SPECIFICATIONS

Model	VeroFoam - Foaming Tendency Analyzer
Methodology	ASTM D892 and ASTM D6082
Applications	Foaming Tendency Analyzer for Newtonian Liquids
Device Dimensions	Width: 84 cm (33.07 inches), Depth: 39 cm (15.35 inches), Height: 63 cm (24.8 inches)
Weight	52 kg (114.64 lbs)
Connectivity	USB connectivity
Data Storage	Storage of calibration data, including the last calibration date for each probe
Calibration Tracking	Display of the last calibration date for individual probes
Signal Access	Access to all analog and digital signals (both inlet and outlet) for functionality verification
User Interface	Real-time display of all analytical parameters
Operating System	Windows 10
User Interface	10.1-inch capacitive touch screen
Result Storage Capacity	10000 results
Result Format	PDF
Power Supply	220 Volt 50-60 Hz
Power Consumption	1800 W (Max)
Device Operating Environment	10 °C to 50 °C (50 °F to 122 °F)
Oil Bath 1	6-8 L volume (1.58-2.11 gal)
Oil Bath 2	6-8 L volume (1.58-2.11 gal)
Temperature Range	5 °C to 150 °C (41 °F to 302 °F) (With Chiller Options)
Temperature Resolution	0.1 °C (0.18 °F)
Automated Sample Capacity	4 Samples
Timing Resolution	1 second



APPLICABLE

REFERENCES

REFERENCES



Vero
Scientific



VeroVis
Kinematic Viscometer



VeroRes
Carbon Residue
Analyzer



VeroXi
Oxidation Stability
Analyzer



VeroAsh
Ash Content Furnace



VeroDry
Moisture Evaporator



VeroCal
Heat Com. Calorimeter



VeroCor
Copper Corrosion Bath



VeroFoam
Foam Tendency
Analyzer

PHONE
+1781818 8133

EMAIL
sales@verosci.com

WEBSITE
www.verosci.com

ADDRESS
Vero Scientific LLC
867 Boylston Street
5th Floor #1409
Boston, MA 02116
United States

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