



FALEX PANEL COKER



The Falex Panel Coking Test Apparatus is designed to give you a cost-effective, reliable solution for evaluating the coking tendencies of lubricants. Whether you're testing for research, development, or quality assurance to the Federal Test Standard, this versatile system adapts to a wide range of test parameters and conditions, helping you generate accurate, repeatable results every time. With a variety of interchangeable test panels available — including steel, stainless steel, aluminum, and other alloy options — the apparatus allows you to closely replicate real-world applications and tailor your testing to specific performance requirements. This flexibility ensures that your team can confidently validate product performance, meet industry standards, and accelerate innovation without unnecessary cost or complexity.

The unit is equipped with three programmable temperature controllers (for regulation of the test panel, test oil in the sump, and air flow), a variable drive motor with digital speed display, and an air flow regulation system.

FTM-791B Method 3462, Coking Tendencies of Lubricating Oils



Technical Specifications

Drive System/Motor Control:

Utilizes Variable Sped Control for speeds from 100 to 1950 rpm

Temperature:

Includes three independent temperature control systems:

Panel: 540° C (1000° F) maximum

Sump: 300° C (572° F) maximum

Air: 40° C (104° F) maximum

Atmospheres:

Includes variable flow control of air or other inert gases (0.2 to 1.0 L/m).

Test Duration:

Includes a programmable Digital Timer with automatic test shut down.

Power:

Requires 220 VAC, Single Phase, 50/60Hz, 20 Amps.

Test Specimens:

The Standard Test uses an Aluminum Test Panel, 3-7/16 x 1-1/4 x 1/4 inch.

Optional Test Panels are available in a variety of materials upon request.

Space Requirements:

Bench Top: 50 in. (l) x 20 in. (d) x 30 in. (h)