

Copper Strip Corrosion by Liquefied Petroleum (LP) Gas

test method

Tests the corrosiveness of LPG to copper by immersion of a polished test strip in the sample inside a test cylinder at elevated temperature. After one hour the test strip is removed and compared against the ASTM Copper Strip Corrosion Standards.

LPG copper strip corrosion test apparatus

- Conforms to ASTM D1838 and related specifications
- Five-sample testing capability
- Consists of LPG Corrosion Test Cylinders, Water Bath, Copper Strips, Polishing Materials, and the ASTM Copper Strip Corrosion Test Standards

LPG Corrosion Test Cylinders - Stainless steel cylinder with 1/4" needle valves for purging and admitting LPG samples. Dip tube with hook suspends copper strip in sample. Knurled, threaded cap with O-ring gasket hand tightens to a positive seal. Withstands hydrostatic test pressure of 1000 psig (6895 kPa).

LPG Corrosion Test Water Bath - Thermostatically controlled water bath submerges five LPG Corrosion Test Cylinders in an upright position. Controls temperature at $100 \pm 1^\circ\text{F}$ ($37.8 \pm 0.5^\circ\text{C}$) per ASTM specifications. Polished stainless steel inner wall and powder coated steel outer wall construction. Fully insulated.

specifications

Conforms to the specifications of:
ASTM D1838; GPA 2140; ISO 6251

Testing Capacity: Five (5) LPG corrosion test cylinders

Maximum Temperature: 100°F (37.8°C)

Temperature Control Stability: $\pm 0.09^\circ\text{F}$ ($\pm 0.05^\circ\text{C}$)

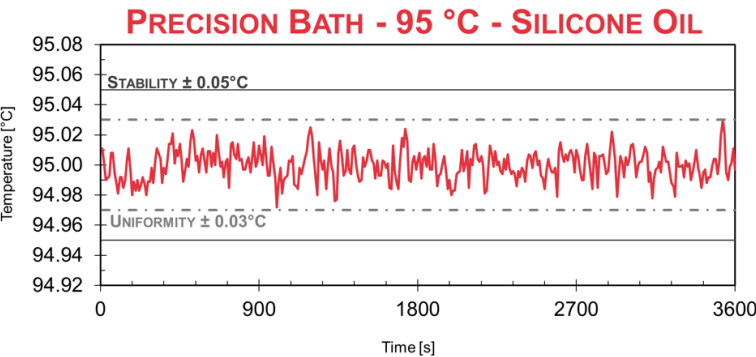
Heater: 1000W

Bath Medium: 6.1 gal (23.1 L) water

Electrical Requirements:

115V 60Hz, Single Phase, 10A

220-240V 50/60Hz, Single Phase, 5A



K64800 5-Place LPG
Corrosion Test Bath &
K40000 LPG Cylinder



ordering information

catalog no.	description
K64800	LPG Corrosion Test Bath, 115V 60Hz
K64890	LPG Corrosion Test Bath, 220-240V 50/60Hz
K40000	LPG Corrosion Test Cylinder

accessories

K40200	Copper Strip for LPG 12.5x1.5-3.0x75 mm
K40100	Connecting Tubing <i>Sulfur-free plastic-lines tubing for connection of test cylinder valve to sample source. With 1/4" stainless steel and aluminum connectors. 24" long</i>
K25100	ASTM Copper Strip Corrosion Test Standards
380-240-001	Silicone Carbide Paper, 240-grit (50/pk)
380-150-000	Silicone Carbide Grain, 240-grit (50/pk)
380-150-001	Silicone Carbide Paper, 150-grit (50/pk)
K25000	Polishing Vice
K25090	Multi-Strip Polishing Vice
250-000-12F	ASTM 12F Thermometer
250-000-12C	ASTM 12C Thermometer



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