OFI Testing Equipment, Inc. - 11302 Steeplecrest Dr. Houston, TX 77065 USA **Phone: 832-320-7300 - Email: sales@ofite.com**

HTHP Corrosion Tester



Brand: OFI Testing Equipment, Inc.
Product Code: 120-700
Availability: Call for availability
Call for Price: 832-320-7300

Description
The HTHP (or HPHT) Corrosion Tester is designed to perform corrosion tests under elevated temperature and pressure. The device is capable of heating the sample up to 400°F (204.4°C) and applying up to 5,000 PSI (34.5 MPa). Four samples can be tested simultaneously. All wetted components are made of corrosion-resistant Stainless Steel.

Four corrosion coupons are thoroughly cleaned and weighed before the test begins. The acid solution and corrosion inhibitor are mixed and poured into each of the four sample bottles. A corrosion coupon is added to each sample and all four bottles are placed into the test cell. Pressure and temperature are applied, and the motor agitates the samples throughout the test. After the test, the coupons are cleaned and weighed again. The mass loss during testing is used to calculate the corrosive properties of the acid.

Features

- Perform corrosion tests under elevated temperature and pressure
- Test 4 specimens simultaneously
- Maximum Temperature: 400°F (204.4°C)
- Maximum Pressure, 5,000 PSI (34.5 MPa)
- All wetted components are made of 316 stainless steel

Specifications

- Maximum Pressure: 5,000 PSI (34.5 MPa)
- Maximum Temperature: 400°F (200°C)
- Temperature Accuracy: ±0.5°C
- Capacity: 4 sample bottles of 150 mL each
- Agitator Speed Range: 0 - 100 RPM
- Size: 25" × 16" × 26" (64 × 41 × 66 cm)
- Weight: 215 lb (97.6 kg)
- Crated Size: 30" × 20" × 30" (76 × 51 × 76 cm)
- Crated Weight: 255 lb (115.8 kg)

Requirements

- Air / Nitrogen supply (100 - 120 PSI)
- Water supply for cooling (40 PSI)
- Water Drain
- 230-Volt, 50 / 60 Hz, 20 Amp electrical power supply

Components

- #120-001: Mineral Oil, 1 Gallon
- #120-90-008: Breaker, 15 Amp, 2 Pole
- #120-700-011: Pressure Release Valve
- #120-700-012: Air to Cylinder Valve
- #120-700-016: Thermocouple Assembly
- #120-700-018-1: O-ring, Viton®
- #120-700-020: Sample Jar
- #120-700-021: Lid for Sample Jar
- #120-700-023-1: Heater
- #122-052: Rupture Disk, 5500 PSI (37.9 MPa)

Part Number

- 120-700

Optional

- #120-700-1: Spare Parts Kit