

# ANTIRUST PROPERTIES OF PETROLEUM PRODUCTS PIPELINE CARGOES



**K30160NACE Rust Preventing Characteristics Bath**

## Specifications

Conforms to the specifications of:

NACE TM-01-72; ASTM D665\*, D6158, D3603\*;  
IP 135; ISO 7120; DIN 51585; FTM 791-4011; NF T 60-151

Testing Capacity: Six (6) 400mL sample beakers

Maximum Temperature: 104°C (220°F)

Temperature Control Stability: ±0.5°C (±1°F)

Heater Range: 0-1500W

Drive Motor: explosion proof ball bearing type

Bath Medium: 11 gal (41.6L) white technical oil

Electrical Requirements: **CE**

115V 60Hz, Single Phase, 13.0A

220-240V 50Hz, Single Phase, 6.8A

220-240V 60Hz, Single Phase, 6.8A

## Included Accessories

Steel Test Specimens (6)

Type 2 Plastic Specimen Holders (6)

Plastic Beaker Covers (6)

## Dimensions l x w x h, in. (cm)

32½ x 14½ x 27 (83 x 36 x 69)

Net Weight: 79 lbs (35.8kg)

## Shipping Information

Shipping Weight: 150 lbs (68.0kg)

Dimensions: 16.2 Cu. ft.

*This equipment has been modified for safe operation when testing volatile petroleum products in accordance with NACE Standard Test Method TM-01-72.*

*For NIST traceable certified thermometers, please refer to the ASTM Thermometer section on pages 184 through 191.*

 Software compatible, inquire with Koehler Customer Service.

## Test Method

Used to control corrosion in product pipelines caused by moisture condensed from gasoline and distillate fuels. Antirust properties are determined by immersing a polished steel test specimen in a stirred mixture of the sample and distilled water held at constant temperature.

## Rust Preventing Characteristics Oil Bath

- Conforms to NACE TM-01-72, ASTM D665\* and D3603\* specifications
- Accommodates six sample beakers
- Microprocessor temperature control with digital display and overtemperature protection

Six-place constant temperature bath with stirrers for rust preventing characteristics tests. Stirs sample-water mixtures at 1000rpm and controls temperature with ±0.5°C (±1°F) stability. Immerses test beakers at the proper depth per NACE specifications. Microprocessor temperature control has °C/°F switchable digital setpoint and display. Operator and equipment are protected by an overtemperature control circuit which automatically interrupts power to the unit should bath temperature exceed a programmed cut-off point. Stainless steel stirrer paddles are driven at 1000rpm by an improved pulley drive-roller bearing arrangement. Paddles move to a raised position for placement of sample beakers in the bath. Stainless steel bath includes perforated support shelf for beakers and cover plate. Long lasting polyester drive belt improves reliability. Drive train components are protected by a removable steel guard. All exterior surfaces have stainless steel or chemical resistant polyurethane enamel finishes.

*\*To order this equipment for ASTM and equivalent test methods, please turn to page 128.*

## Ordering Information

Catalog No.		Order Qty
<b>Rust Preventing Characteristics Oil Bath</b>		1
<b>K30160NACE</b>	Rust Preventing Characteristics Oil Bath, 115V 60Hz	
<b>K30165NACE</b>	Rust Preventing Characteristics Oil Bath, 220-240V 50Hz	
<b>K30166NACE</b>	Rust Preventing Characteristics Oil Bath, 220-240V 60Hz	
<b>Accessories</b>		
<b>332-002-007</b>	Test Beaker, 400mL, for NACE TM-01-72	6
<b>250-000-09F</b>	ASTM 9F Thermometer Range: 20 to 230°F	7
<b>250-000-09C</b>	ASTM 9C Thermometer Range: -5 to +110°C	
<b>K30130</b>	Chuck for polishing test specimens Includes locknut and shaft for mounting on accessory drive motor	1
<b>K30150</b>	Drive Motor Drives K30130 Chuck. Mounted on base. 115V 60Hz	1
<b>380-100-001</b>	Silicone Carbide Cloth, 100 grit For preliminary grinding and final polishing of test specimens. Pack of 50	1

## Test Specimens

<b>K30110</b>	Steel Test Specimens for ASTM D665/ NACE TM-01-72. Machined to ASTM/NACE specifications. Without holder
<b>K30100</b>	Test Specimen with Type 2 PMMA Holder for ASTM D665/NACE TM-01-72
<b>K30101</b>	Test Specimen with Type 2 PTFE Holder