



NIK ABZAR
Laboratory Instruments



ASTM D86

Distillation of Petroleum Products at Atmospheric Pressure

product introduction

The Petro DIST according to ASTM D86. This Apparatus for the distillation of petroleum products use for all types of Fuel, solvent and any liquid petroleum product ,As well as group (1,2,3,4).

SPECIFICATIONS

Ordering Information	
Model	Petro DIST Atmospheric Distillation
Standard Test Method	
	ASTM D86 (group 0,1,2,3,4), EN ISO 3405
Performance	
Condenser Temperature Control:	0° to 80°C (±0.1 °C) operating temperature - liquid jacket
TEMP & Volume Measurement	It is record user by touching the screen of the monitor from IBP up to FBP
Data transfer & Save	The results of each analysis can be print include (temperature, Volume, pressure) and transferred to USB – number save result in system unlimited
Measurements	
Temperature	Measurement with pt-100 class A up to 450 °C
Ambient Pressure	Built-in pressure sensor; Range: (550 to 800 mmHg)
Heater	1000W power
DISPLAY	
10" touch screen	user interface with– Microprocessor control system
Physical	
Electrical Requirements	220 VAC - 2000 watts, 50/60 Hz
Dimensions	44 cm W x 65 cm D x 60 cm H (17.3 x 25.6 x 23.6 inches)
Weight	52 kg (114 lbs)



ASTM D1160

Distillation of Petroleum Products at Reduced Pressure

product introduction

The VAC DIST 401 is an easy to use ASTM D1160 Semi-automatic Vacuum Distillation Apparatus for the distillation of petroleum products.

SPECIFICATIONS

Ordering Information	
Model	VAC DIST 401 Semi-automatic vacuum Distillation
Standard Test Method	
	ASTM D1160
Performance	
Vacume control system	The ability to adjust the vacuum pressure up to 0.1 mmHg
Condenser Temperature Control:	0° to 80°C (±0.1 °C) operating temperature - liquid jacket
TEMP & Volume Measurement	It is record user by touching the screen of the monitor from IBP up to FBP
Cold trap	Cold trap to recover the light boiling components , the temperature of the trap –40 °C
Data transfer & Save	The results of each analysis can be print include (temperature, Volume, pressure, AET) and transferred to USB – number save result in system unlimited
Measurements	
Temperature	Measurement with pt-100 class A up to 450 °C
Pressure	Measurement by hight precise capacitive pressure sensor
Heater	2000W power
DISPLAY	
7" touch screen	user interface with– Microprocessor control system
Physical	
Electrical Requirements	220 VAC - 3000 watts, 50/60 Hz
Dimensions	90 cm W x 63 cm D x 86 cm H (35.4 x 24.8 x 33.8 inches)
Weight	70 kg (155 lbs)





ASTM D93

Flash point Close cup tester semi automatic

product introduction

Closed Cup Flash Point Tester measures flash points between 40 to 370°C.

This device uses optimized software to control the heater well and adjust the mixer speed between 10 and 250 rpm. It is also equipped with a cooling fan to Accelerate the execution of consecutive tests.

Our Closed Cup Flash Point Tester is suitable for petroleum products, and quality inspection.



ASTM D5968&6594

Corrosiveness and Oxidation Stability Test Apparatus

product introduction

The diesel engine oil corrosion test device consists of a dry bath made of an aluminum block that provides a constant and stable temperature according to the standard with an accuracy 0.1 C of a degree Celsius. This device also includes ASTM D5968& D6594 & D4636 standard.

SPECIFICATIONS

Flash Point Model	
Methods	<ul style="list-style-type: none"> • ASTM D93 A, B, C • ISO 2719 A, B, C • EN 22719 A, B, C • IP 34 A, B, C • DIN 51758
Heater	Electric with manual control
Stirrer	Electric up to 250 rpm
Cooling	Cooling Fan
Ignition Type	Gas
Power	1500 W
Frequency	50/60 Hz
Main Voltage	220 V

SPECIFICATIONS

CBT & HCBT	
Methods	Methods
BATH	Solid aluminum block design 121 °C & 135 °C
TEST cell	4 sample testing capability
temperature	Microprocessor temperature control with digital display
Temperature Control Stability	±0.1°C
Air Flow Rate	Omega FLDA3430ST UP 150ml/min
Power	1500 W
Frequency	50/60 Hz
Main Voltage	220 V





ASTM D721

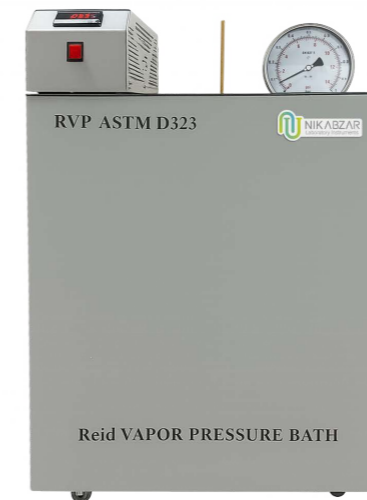
Petroleum Wax Oil Content Analyzer

product introduction

Petroleum Wax Oil Content Analyzer conforms to ASTM D721 Standard Test Method. This device consists of two unit, 1) cooling bath temperature of -35 degrees 2)Evaporation Assembly, consisting of an evaporating cabinet thermostatically controls the temperature of +35 C by SSR and has four air outlet nozzles, each can be adjusted.

SPECIFICATIONS

Flash Point Model	
Methods	• ASTM D721
Cooling Bath	- 34.5 ± 1 °C
Evaporation Assembly	+ 35 ± 1°C
Air Pressure Regulator	YES
Sensor temperature	PT100 Class A
Air Flowmeter	Omega FLDA3518S
Filter Stick	10 µm to 15 µm maximum pore diameter
Main Voltage	220 V



ASTM D323

Reid Vapor Pressure

product introduction

Reid Vapor Pressure Bath conforms to ASTM D323 Standard Test Method for Vapor Pressure of Petroleum Products (Reid Method). stainless steel test cylinders for vapor pressure tests of liquid petroleum products. The heating output adopts solid-state relay and has 2position for test.

SPECIFICATIONS

CBT & HCBT	
Methods	• ASTM D323
Heater	Electric with PID control include mercury thermometer 18°C
Stirrer	2800 rpm
Liquid and vapor chamber	stainless steel According method
pressure gauge	0-1 bar (0-15 psi)
Power	1500 W
Frequency	50/60 Hz
Main Voltage	220 V





ASTM D524

Ramsbottom Carbon Residue

product introduction

The Ramsbottom Carbon Residue Apparatus For the determination of the amount of carbon residue after evaporation and pyrolysis of an oil and provide indication of relative coke-forming propensity according to ASTM D524.



SPECIFICATIONS

Flash Point Model	
Methods	ASTM D524
Furnace	HEATER with PID control UP to 550 ± 5 °C Cast iron block furnace equipped with 5 wells, 63.5 mm diameter.
Control Bulb	stanles streeel 24±1 gr
	Glass
syringe	sample charging syringe 10 ml
thermometer	Type K
Power	2500 W
Frequency	50/60 Hz
Main Voltage	220 V



ASTM D130

Metal Bath Copper Strip Corrosion Tester

product introduction

Solid block Bath Copper Strip Corrosion Tester conforms to the ASTM D130 Standard Test Method for Corrosiveness to Copper from Petroleum Products by Copper Strip Test and ASTM D4048 Standard Test Method.

Our copper corrosion available in 4 and 8 position bomb bath models. This tester is suitable for testing aviation gasoline, jet fuel, motor gasoline, natural gasoline, or other hydrocarbons.



SPECIFICATIONS

CBT & HCBT	
Methods	ASTM D130, D4048
Heater	Electric with PID Control
Number of simultaneous tests	4 Copper Strip Corrosion Test Bombs
Bath	Metal Block
Alarm	Yes after 3hrs with counter timer
Temperature Range	Ambient to +200°C, with precision 0.1°C
Power	750 W
Frequency	50/60 Hz
Main Voltage	220 V





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