

ATL-3097

CLOUD & POUR POINT REFRIGERATED SINGLE COMPARTMENT



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► Specifications:

FEATURES	Cloud & Pour Point Test Apparatus Refrigerated Single Compartment -75°C Model with Capacity to do Four sample at a time.
TEST METHOD	Cloud point and pour point are indicators of the lowest temperature of utility for petroleum products. The sample is periodically examined while it is being cooled in the cloud and pour point apparatus. The highest temperature at which haziness is observed (cloud point), or the lowest temperature at which movement of the oil is observed (pour point), is reported as the test result.
TEMP RANGE	Compartment Max Temperature Range -75°C Sample Max Temperature depends But maximum up to -40°C.
ACCURACY	+/- 2 °C
READABILITY	+/- 0.1 °C
TYPE OF BATH	Mechanically refrigerated cooled.
COOLING STAGE	Double stage with double Cascade compressor. Cascade Refrigeration System for achieving Low temperature.
REFRIGERANT	CFC Free
CONSTRUCTION GMP MODEL	<ul style="list-style-type: none"> • Double walled , Outer Body GI Duly Powder Coated. • Inner Chamber made of SS 304 Matt Finished.. • The gap between it filled by dense Puff as Insulation. • Drain, overflow and fill valve will be provided. • Top Lid made of Bakelite having PP Lid on Top of it. • Pour Point Tube made of Borosilicate Glass.
TEMPERATURE SENSOR	<ul style="list-style-type: none"> • <u>Bath Sensor</u> :- Calibrated RTD type thermocouple will be provided capable of measuring upto -100 Deg. c at accuracy of +/- 0.1 Deg. c • <u>Sample Temperature</u> :- Thermometer IP 1c & IP 2c Calibrated with NPL.
COMPARTMENT	<ul style="list-style-type: none"> • Single.
CHAMBER	<ul style="list-style-type: none"> • 4 chamber of copper immersed fully in cooling media.
INSULATION	<ul style="list-style-type: none"> • Dense Puff Insulation. • Top insulation will be done by polyurethane sheet with Bakelite mounting.
CHAMBER COVER	<ul style="list-style-type: none"> • made of PP with Bakelite knob having center hole.
CONTROLLER	<ul style="list-style-type: none"> • Temp. Is controlled by microprocessor based PID temp. Controller. • It is having dual display with Int or Siemens contactor for switching on & switching off the heater.
CAPACITY	<ul style="list-style-type: none"> • 4 Samples at a time. • Bath Volume 8 Ltr.
MOVABILITY	<ul style="list-style-type: none"> • Mounted on four castor wheel with brakes on two front wheel for easy movability.

DISPLAY	<ul style="list-style-type: none"> • Digital display for present, set temperatures. • Analogue display for cascade compressor load • Analogue display for Main compressor load • Fuse for overload protection. • Main switch on/off indicator.
SAFETY	<ul style="list-style-type: none"> • Overload safety cut-off • Safety for input power fluctuation • 1-phase indication lamp. • Emergency switch off
ACCESSORIES SUPPLIED ALONG WITH THE INSTRUMENTS	<ul style="list-style-type: none"> • Pour Point Tube : 4 no • Bar Cork : 4 no • Silicon Bush : 4 no • Cork Sheet : 4 no. • Thermometer IP 1C with Calibration Certificate : 1 no. • Top cover of PP : 4 no. • Thermometer IP 2C with Calibration Certificate : 1 no. • Fuse : 2 no.
POWER SUPPLY	<ul style="list-style-type: none"> • 230 V Ac , 15 Amp , 50/60 Hz Power Supply
UTILITIES (PREINSTALLATION REQUISITE) AT BUYER SCOPE	<ul style="list-style-type: none"> • IPA – 8 Ltr. • Sample – 200 ml • Washing Solvent • Power supply : 230v ac, 50/60 Hz, 15
DIMENSION & NET WEIGHT OF EQUIPEMTN	<ul style="list-style-type: none"> • 17"x24"x41" (43x60x104) • net weight: 125 LBS (56 kg)

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Analytical Foundation

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Analytical[®]
Technologies Limited

HPLC Solutions MultipleLabs Analytical Bio-Med Analytical Distributors Analytical Foundation (Trust)

Corporate & Regd. Office:
Analytical House, # E67 & E68,
Ravi Park, Vasna Road, Baroda,
Gujarat 390 015. INDIA

T: +91 265 2253620
+91 265 2252839
+91 265 2252370
F: +91 265 2254395

E: info@hplctechnologies.com
info@multiplelabs.com
info@analyticalgroup.net
info@analyticalbiomed.com

W. www.analycalgroup.net
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