

## SPECIFIC GRAVITY OF SEMI-SOLID BITUMINOUS MATERIALS ( BI-100A )

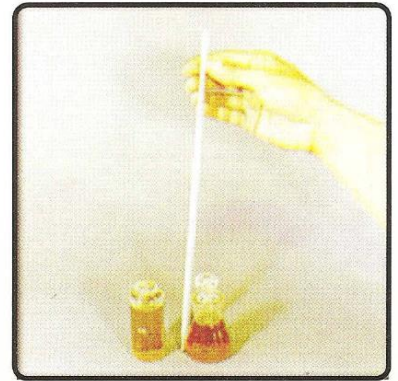
### ASTM D-70

For determining the specific gravity of semi-solid bituminous materials, asphalt cement, and soft tar pitches by use of a pycnometer

Type	Parts Name	Specification	Qty
BI-101	Pycnometer	Hubbart type, 24 ml capacity	1 PC
BI-102	Pycnometer	Hubbart type, 25 ml capacity	1 PC
GE-642	Thermometer	ASTM 63 C, 8 to 32 C	1PC
	Dimension (l x w x h)	:20 x 20 x 20 cm	
	Gross weight	:3 kg	

Also required, but not part of this set:

GE-191	Hot Plate
GE-363	Mixing Bowl
GE-473	Funnel



**BI-100 A**

## DISTILATION OF CUTBACK ASPHALTS ( BI-110A )

### ASTM D-402

For measuring the amount of the more volatile constituents in cut back asphaltic product

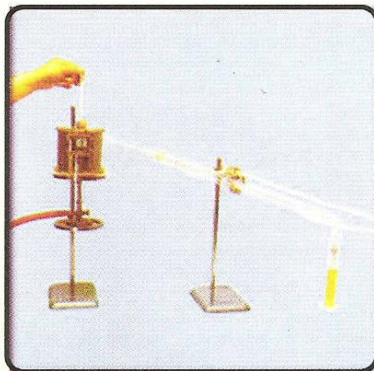
### AAS HTO T-78

Type	Parts Name	Specification	Qty
BI-111	Flask	resistance glass 500 ml capacity, with side arm	1 Set
BI-112	Condenser	Glass, jacketed	1 set
BI-113	Adapter	Heat resistance glass	1 Set
BI-114	Shield	Metal, asbestos lined, glass window	1 Set
BI-115	Shield and Flask Support	Variable height adjustment	1 Set
BI-116	Support and Clamp	Metal, provided with clamps	1 Set
GE-230	Bunsen Burner	Heat resource	1Pc
GE-237	Asbestos Wire Gauze	15 cm x 15 cm	1Pc
GE-402	Graduated Cylinder	100 ml capacity	1Pc
GE-649.1	Thermometer	ASTM 7 C, 2 to 300°C	1Pc
	Dimension (l x w x h)	:100 x 80 x 80 cm	
	Gross weight	:10 kg	

Also required, but not part of this set:

GE-152	Triple Beam Balance
GE-222	
GE-473	
GE-748	
GE-203	

Butane Field Heater  
Glass Funnel  
Leather Gloves  
Cooling System



**BI-110 A**

## WATER CONTENT IN PETROLEUM PRODUCT ( SBI-120 )

### ASTM D-95

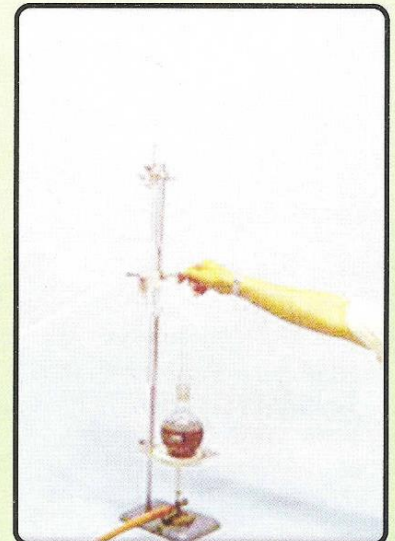
For determining water in crude petroleum, tars and product derived from these materials

### AASHTO T-55

Type	Parts Name	Specification	Qty
BI-121	Flask	Heat resistance glass. 500 ml capacity	1 Pc
BI-122	Water Trap	Glass for receiving distilled water	1 Pc
BI-123	Condenser	Glass, jacketed	1Pc
BI-124	Support Assembly	For holding apparatus assembly	1 set
BI-125	Flask Support	Variable height adjustment	1 Pc
GE-230	Bunsen Burner	Heat resource	1 Pc
GE-237	Asbestos Wire Gauze	15 cm x 15 CM	1 Pc
	Dimension (l x w x h)	: 25 x 25 x 60 cm	
	Gross weight	: 10 kg	

Also required, but not part of this set:

GE-152	Triple Beam Balance
GE-203	Cooling System
GE-222	Butane Field Heater
GE-473	Glass Funnel
GE-748	Leather Gloves



**BI-120**

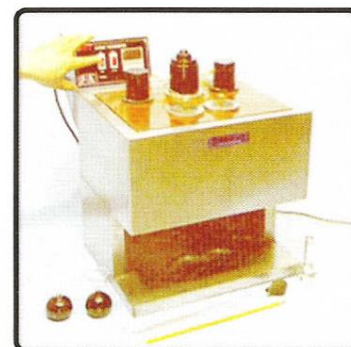
**SAYBOLT VISCOSIMETER ( BI-150A )**

**ASTM D-88**

For determining saybolt viscosity of petroleum products at specified temperature between 21.1 and 98.8 C

**AASHTO T-72**

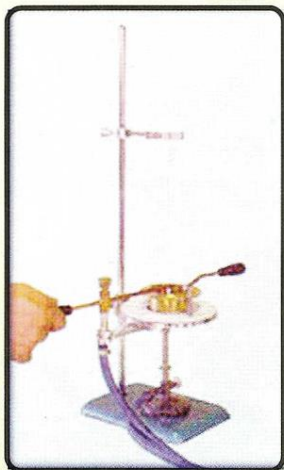
Type	Parts Name	Specification	Qty
<b>BI-151</b>	<b>Viscosimeter</b>	Stainless steel bath, motor stirrer, 220 V-AC. Thermostat control panel 2 tubes capacity	1 set
<b>BI-154</b>	<b>Viscosimeter Tube</b>	Brass, seamless, provided with tips and tip wrench	2 Pcs
<b>BI-155</b>	<b>Tube Wrench</b>	T-wrench! PC	1 Pc
<b>BI-156</b>	<b>Pipette</b>	Brass with rubber bulb	1 Pc
<b>BI-157</b>	<b>Thermometer Support</b>	Alumunium plate	2 Pcs
<b>BI-158</b>	<b>Flask</b>	60 ml capacity	2 Pcs
<b>BI-159</b>	<b>Funnel</b>	Brass. 60° angle, complete with mesh 100/mesh 200	1 Pc
<b>GE-644.1</b>	<b>Thermometer</b>	ASTM 17° C, 19 to 27° C	2 Pcs
<b>GE-644.2</b>	<b>Thermometer</b>	ASTM 18° C, 34 to 42° C	2 Pcs
<b>GE-644.3</b>	<b>Thermometer</b>	ASTM 19° C, 49 to 57° C	2 Pcs
<b>GE-644.4</b>	<b>Thermometer</b>	ASTM 20° C, 57 to 65° C	2 Pcs
<b>GE-644.5</b>	<b>Thermometer</b>	ASTM 21° C, 79 to 87° C	2 Pcs
<b>GE-644.6</b>	<b>Thermometer</b>	ASTM 22° C, 95 to 103° C	2 Pcs
Dimension ( l x w x h )		: 70 x 70 x 70 cm	
Gross weight		: 25 kg	



**BI-150 A**

**Also required. but not part of this set.**  
**GE-700 Stop Watch**

**FLASH AND FIRE POINT BY CLEVELAND OPEN CUP ( BI-200A )**



**BI-200**

**ASTM D-92**

For determining flash and fire point by cleveland open cup for petroleum product and other liquids, except fuel oils and materials having an open flash point below 79° C (173 F) as determined by the cleveland open cup tester

**AASHTO T-48**

Type	Parts Name	Specification	Qty
<b>BI-201</b>	<b>Flash Cup</b>	Brass, insulation handle	1 Pc
<b>BI-202</b>	<b>Cleveland Gas</b>		
<i>Consist of:</i>			
<b>BI-202.1</b>	<b>Burning Pipe</b>	Brass pipe, insulation handle	1 Pc
<b>BI-202.2</b>	<b>Flash Cup Plate</b>	Steel plate	1 Pc
<b>BI-202.3</b>	<b>Support</b>	Adjustable height metal. thermometer holder	1 Pc
<b>BI-203</b>	<b>Y-Connector</b>	Brass, provided with gas hose	1 Set
<b>GE-230</b>	<b>Bunsen Burner</b>	Heat resources	1 Pc
<b>GE-648</b>	<b>Thermometer</b>	ASTM 11 C. 6° to 400° C	1 Pc
Dimension ( l x w x h )		: 150 x 30 x 30 cm	
Gross weight		: 10 kg	

**Also required but not part of this set:**  
**GE-222 Butane field heater**  
**GE-363 Mixing Bowl**

**FLASH AND FIRE POINT BY CLEVELAND OPEN CUP ( BI-200A )**

**ASTM D-92**

For determining flash and fire point by Cleveland open cup for petroleum product and other liquids, except fuel oils and materials having an open flash point below 79° C (173 F) as determined by the Cleveland open cup tester

**AASHTO T-48**

Type	Parts Name	Specification	Qty
<b>BI-201</b>	<b>Flash Cup</b>	Brass. insulation handle	1 Pc
<b>BI-202A</b>	<b>Cleveland Electric</b>	Electric. 220 V-AC, heating speed control.	1 Set
<b>GE-648</b>	<b>Thermometer</b>	ASTM 11° C. 6 to 400° C	1 Pc
Dimension ( l x w x h )		: 100 x 50 x 50 cm	
Gross weight		: 20 kg	

**Also required, but not part of this set:**  
**GE-363 Mixing Bowl**



**BI-200 A**