



1. BITUMEN EXTRACTOR - MOTORISED WITH VARIABLE SPEED WITH DIGITAL RPM INDICATOR

Compliance Standards

ASTM D 2172, AASHTO T58, AASHTO T164, EN 12697-1, IS 19008:2023

Application:

This is used for a quantitative determination of bitumen in hot mix paving mixtures and pavement samples.

Construction Details:

The centrifuge extractor is a safe, portable model of sufficient size for quick and accurate determination of bitumen, corrosion-resistant model which can be used both in the field and the laboratory. It consists of a removable cast aluminum rotor bowl mounted on a vertical shaft. A filter paper disc is pressed in between the nut. The bowl assembly is enclosed in housing mounted on a cast aluminum body. The gears operate in an oil bath with splash lubrication. Supplied with Digital RPM Indicator.

Essential Accessories At Extra Cost:

Electronic Balance (Capacity : 6000 gms, Accuracy : 0.1 gm) Filter Paper and solvent (Trichloroethylene)

Click here for working video: <https://www.youtube.com/watch?v=nul4w9dBLxc>

Technical Specification

- Motor Capacity : 0.5 hp
- RPM : 3600
- Speed (rpm) : Controllable with the help of the regulator
- CAPACITY IN : 1.5 kg - for aluminium bowl
- Power : 220 volts, Single phase
- Overall Dimensions in Inches (L x W x H) : 14" X 19" X 24"
- Weight (Approx.) : 39.750 Kgs Approx.
- MATERIAL OF CONST. : Bowl made of aluminium and other parts made of MS

2. BITUMEN EXTRACTOR-WITH FLAMEPROOF MOTOR - (ASTM D2172)-

Complies with following International Standards:

ASTM D2172, AASHTO T58, T164

Application:

This is used for a quantitative determination of bitumen in hot mix paving mixtures and pavement samples.

Construction Details:

1. Safe & Portable model of sufficient size for quick and accurate determination of bitumen.
2. Corrosion-resistant model which can be used both in the field and the laboratory.
3. Consists of a removable cast aluminum rotor bowl mounted on a vertical shaft.
4. A filter paper disc is pressed in between the nut.
5. The bowl assembly is enclosed in a housing mounted on a cast aluminum body.
6. The gears operate in oil bath with splash lubrication.
7. Special model with Flameproof Motor, DC-Motor drive and Electronic speed control and Digital RPM Indicator

Corporate Office:

A-1301, BVR Ek, Opp. Hotel Inder Residency,
Near Gujarat College, Ellisbridge,
Ahmedabad-380 006.
Phone : (079) 6621 1234
Website : www.eieinstruments.com

Calibration Laboratory:

Survey No. 1098, Nr. Mahakali Temple,
Opp. Primary School, Village Kubadthal,
Tal-Daskroi, Ahmedabad-382 433.
Phone: (079)-3520 8300
E-mail : info@eieinstruments.com

GST TIN No. : 24AABCE4018L1ZU
I.T. PAN No. : AABCE 4018L
IEC No. : 0813026598 Dt. 04/03/2014
CIN No. : U29199GJ2004PTC045078
TAN No. : AHME00572F



Salient Features:

1. Flameproof Motor
 2. Electronic Speed Control
 3. Facilitates precise speed control
 4. Offers Vibration free smooth operation
 5. With a brake control for rapid deceleration
 6. Internal wiring as per CE Standards
 7. Safety label as per CE Norms
 8. Bowl Capacity : 1500 grams
 9. Variable speed : 50-3600 RPM
 10. Power Supply : 220 Volt, 50-60 Hz, Single Phase, AC Supply
 11. Removable Aluminum integral cup for adding solvent
 12. All parts of the body are seamlessly argon welded
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1. Essential parts of the instrument are hard chrome plated
 2. Digital RPM Indicator continuously display the RPM on screen

Essential Accessories At Extra Cost:

1. Filter paper - Box of 100
2. Electronic Balance (Capacity : 6000 gms, Accuracy : 0.1 gm)
3. Electronic Balance (Capacity : 5000 gms, Accuracy : 0.01 gm)
4. Benzene or Toluene to be procured locally.
5. Animated Video CD with Commentary on the Working of the Instrument can be Provided at Extra Cost
6. The Video CD Covering Demonstration of 15 Different Instrument on Bitumen & Aggregate Testing can be Provided at Discounted rate

Technical Specification

- Overall Dimensions : 460 X 490 X 610 (L X W X D) mm
- Weight (Approx.) : 40 Kgs Approx.

3. BITUMEN EXTRACTOR-HAND OPERATED-

Construction Details:

The centrifuge extractor is a safe, portable model of sufficient size for quick and accurate determination of bitumen, corrosion-resistant model which can be used both in the field and the laboratory. It consists of removable cast aluminum rotor bowl mounted on a vertical shaft. A filter paper disc is pressed in between the nut. The bowl assembly is enclosed in a housing mounted on a cast aluminum body. The gears operate in oil bath with splash lubrication.

Weight : 40 kg Approx.

Essential Accessories At Extra Cost:

1. Filter paper - Box of 100
2. Electronic Balance (Capacity : 6000 gms, Accuracy : 0.1 gm)
3. Benzene or Toluene to be procured locally.
4. Animated Video CD with Commentary on the Working of the Instrument can be Provided at Extra Cost
5. The Video CD Covering Demonstration of 15 Different Instrument on Bitumen & Aggregate Testing can be Provided at Discounted rate

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Technical Specification

- Overall Dimensions : 380 X 380 X 450 (L X W X D) mm
- Weight (Approx.) : 49 Kgs Approx.

4. BITUMEN EXTRACTOR-WITHOUT HEATER- IS-1195/IS-1322

As per IP-162 (old), IS 1195 & IS 1322 complete with glass condenser but without heater.

The apparatus consists of on welded iron pot with a cylindrical gauge container, a Graduated receiver and a glass condenser as specified. A suitable heater is used for heating.

SPARES :-

- Spare Receiver. @ **Rs. 975.00**
- Spare Condenser. @ **Rs.1050.00**

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