

HİRA TESTING EQUIPMENT

CENTRIFUGE EXTRACTORS

STANDARDS: EN 12697-1 Clause B.1.5; EN 13108, ASTM D2172, AASHTO T164 A

Used for the determination of bitumen percentage in bituminous mixtures.

It consists of a removable precision machined rotor bowl, housed in a cylindrical aluminum box.

They are driven by an electric motor fitted with AC drive (inverter) with the double function of speed control up to 3600 rpm. Regardless of the frequency (50 or 60 Hz) and electrical breaking.

The centrifuge can be set for the automatic speed ramp up to 3600 rpm and will stop in 10-15 seconds.

The control panel includes: Start/Stop button and speed control knob.

Two models are available with 1500 g and 3000 g capacity.

The Centrifuge Extractors are supplied with aluminum Bowl and Cover and Filter Papers.



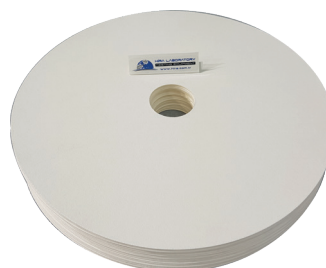
HR-AS1505

Technical Specifications:

Product Code	Product Name	Capacity (lt)	Dimensions (cm)	Weight (kg)	Power Supply
HR-AS1500	Centrifuge Extractor	1500	65x45x55	35	220 V, 50-60 Hz, 1 ph
HR-AS1505	Centrifuge Extractor	3000	65x45x55	35	220 V, 50-60 Hz, 1 ph

Spare Parts & Accessories:

Product Code	Product Name
HR-AS1500/1	Filter Paper for HR-AS1500 (Pack of 50)
HR-AS1500/2	Rotating Bowl and Cover for HR-AS1500
HR-AS1505/1	Filter Paper for HR-AS1505 (Pack of 50)
HR-AS1505/2	Rotating Bowl and Cover for HR-AS1505



HR-AS1505/1

REFLUX EXTRACTORS

STANDARDS: ASTM D2172, AASHTO T 164-B

Used for the quantitative determination of bitumen in hot-mixed paving mixtures and pavement samples. The bitumen content is calculated by difference from the weight of extracted aggregates, moisture content and ash from aliquot part of the extract.

The Reflux Extractor is available in two, 1000 g and 4000 g capacity models.

The apparatus comprises a cylindrical glass jar, two wire mesh cones with interlocking frames, a water condenser with inlet/outlet tubes, hot plate and 50 filter papers.



HR-AS1525/4



HR-AS1525

Technical Specifications:

Product Code	Product Name	Capacity (gr)	Dimensions (cm)	Weight (kg)	Power Supply
HR-AS1520	Reflux Extractor Test Set, 1000 gr	1000	26x26x62	10	220 V, 50-60 Hz, 1 ph
HR-AS1525	Reflux Extractor Test Set, 4000 gr	4000	26x26x62	12	220 V, 50-60 Hz, 1 ph

Spare Parts & Accessories:

Product Code	Product Name	Capacity (gr)	Dimensions (cm)	Weight (kg)
HR-AS1520/1	Reflux Extractor Glass Jar	1000	Ø 15 x 46	6
HR-AS1520/2	Reflux Extractor Condenser	1000	---	---
HR-AS1520/3	Reflux Extractor Wire Mesh Cone	500	---	---
HR-AS1520/4	Filter Paper (pack of 50)	---	Ø 30	---
HR-AS1520/5	Iron Wire Gauze for HR-AS1520	---	12x12	---
HR-AS1525/1	Reflux Extractor Glass Jar	4000	Ø 22 x 46	8
HR-AS1525/2	Reflux Extractor Condenser	4000	---	---
HR-AS1525/3	Reflux Extractor Wire Mesh Cone	2000	---	---
HR-AS1525/4	Filter Paper (pack of 50)	---	Ø 40	---
HR-AS1525/5	Iron Wire Gauze for HR-AS1525	---	16x16	---
HR-G1010	Single Hot Plate. Thermostat Controlled	---	30x30x20	2,5

SOLVENT RECOVERY STILL

The efficient and compact unit, easy to install, is totally self-contained. It is provided of two tanks: one for the clean solvent and one for the dirty solvent and of a water coolant system which only needs to be connected to a water tap.

The inside of the containers are stainless steel for low corrosion and long life time. Two liquid levels to see the volume of clean and dirty solvents.

Capacity is 10 liters/h.

Electrical heater and water cooling system.

Supplied with 10m plastic tube, tube clamps, sieve insert 0.6 mm opening and one lid.

Technical Specifications:

Product Code	Product Name	Dimensions (cm)	Weight (kg)	Power Supply
HR-AS1535	Solvent Recovery Still	32x40x65	25	220 V, 50-60 Hz, 1 ph

Spare Parts & Accessories:

Product Code	Product Name	Power Supply
HR-AS1535/1	Circulation Pump	220 V, 50-60 Hz, 1 ph
HR-AS1535/2	Plastic Water Bucket	---



HR-AS1535