

## Extraction

### Reflux Extraction Test Set

UTAS-0013/UTAS-0020

The Reflux Extractor is used for the quantitative determination of bitumen in hot-mixed paving mixtures and pavement samples.



The extractor uses the difference between the weight of extracted aggregates, moisture content and ash from an aliquot part of the extract to determine the bitumen content.

The Reflux Extraction Test Set is supplied complete with;

- Cylindrical Glass Extractor Jar
- Two Wire Mesh Cones with Interlocking Frames
- Water Condenser with Inlet/Outlet Tubes
- Filter Paper, 50 pcs./pack
- Hot Plate
- Iron Wire Gauze (UTGH-1830 with UTAS-0013, UTGH-1835 with UTAS-0020)

### Centrifuge Extractor

UTAS-0030/UTAS-0035

The Centrifuges are used to measure the bitumen percentage in bituminous mixtures. All models include a removable precision-machined rotor bowl housed in a



cylindrical aluminium box. An electric motor fitted with an AC drive (inverter) drives the bowl. The motor has 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 cover is precisely machined and fitted with a solvent resistant gasket to avoid leakages.

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

The Centrifuge Extractor is supplied complete with;

- Bowl and Cover,
- Filter Paper - 100 pcs.

## Technical Specifications

### Reflux Extraction Test Set

<b>Dimensions (mm)</b>	UTAS-0013	260x260x620
	UTAS-0020	260x260x620
<b>Weight (approx.)</b>	UTAS-0013	6 kg
	UTAS-0020	8 kg

### Centrifuge Extractor

<b>Dimensions</b>	450x650x550 mm
<b>Weight (approx.)</b>	50 kg (for both models)
<b>Power</b>	370W (for both models)

## About PCTE

PCTE have over 30 years' experience in the measurement and testing of construction materials. PCTE can provide more than just the equipment, they can provide expert training. PCTE have a service centre in Sydney in which they can provide calibration, repairs and warranty repairs.

## Other Equipment

PCTE supply three main ranges: NDT, Lab and Geotech Instrumentation.

NDT includes: Rebound Hammers, Covermeters, Ultrasonics, GPR, Corrosion Testing, Coating Testing and Foundation Testing

Lab includes equipment for: Concrete, Cement, Aggregate, Soil, Asphalt and Metal

Geotech Instrumentation includes: Strain Gauges, Piezometers, Inclometers, Extensometers, Tiltmeters, Load Cells and Dataloggers