

## TM 10

### Air Bath

The unit is for softening bitumen before carry out tests like ductility, flash point, penetration loss on heating.

The apparatus consist of inner vessel, stainless steel made, 600gm capacity, complete with thermoregulator and indicator camp.

Power: 220-240V, 50Hz, 1ph.

Weight: 4.8kg (approx)

■ TM 10



## TM 11

### Hot Extraction Apparatus

#### DIN 1996

A wire basket holding asphalt sample inserted into a cylindrical glass jar before pour in solvent. The set is covered with a metal condenser connected to water supply. A hot plate placed at the bottom of the apparatus for boiling solvent drips into the basket dissolving out the bitumen. A centrifuge extractor is used for separating the filler passing through the mesh basket.

Power: 220-240V, 50Hz, 1ph.

Weight: 5kg approx.

■ TM 11



## TM 12

### Reflux Extractor

#### ASTM D2172

1000gm capacity with same operation principle of the TM 13. The apparatus consists of two metal cones supported by a metal frame. Same as model, the apparatus is covered with a metal condenser connected to water supply. Asphalt sample placed on both cones before pour the solvent and boiled with a hot plate at bottom. The solvent boils and drips through the first and then the second cone dissolving out the bitumen.

Power: 220-240V, 50Hz, 1ph

Weight: 5kg approx.

■ TM 12



## TM 13

Same as model TM12, but with 4000gm capacity.

### Bituminous Extraction Bottle Method

## TM 14

### Bottle Roller Machine - BS 598

Bench mounting type designed to accept steel bottle 600, 2500 and 7000ml. The bottle simultaneously can be rotate at their own longitudinal axit at speed about 33rpm.

Power: 220-240V, 50Hz, 1ph.

■ TM 14



- TM 14/A Steel bottle 600ml capacity with stopper
- TM 14/B Steel bottle 2500ml capacity with stopper
- TM 14/C Steel bottle 7000ml capacity with stopper