



Scope:

This apparatus is used for the examination of cut-back asphaltic materials by the distillation test.

Consists of following parts and accessories:

1. Distillation Flask

- Capacity : 500mL
- Type : Side-arm type having the dimensions shown in Fig. 1 of ASTM D402.

2. Condenser

- Type : Standard glass-jacketed,
- Length : 200 to 300 mm
- Overall tube length : 450 ± 10 mm

3. Electric heater with Digital Temperature controller

- Electric heater with Energy Regulator PT-100 Sensor.

4. Adopter

- Heavy-wall (1-mm) glass, with reinforced top, having an angle of approximately 105° . The inside diameter at the large end will be approximately 18 mm, and at the small end, not less than 5 mm. The lower surface of the adapter will be on a smooth descending curve from the larger end to the smaller.

5. Shield

- Lined with 3-mm fire proof insulation and fitted with transparent mica windows, of the form and dimensions shown in Fig. 2 of ASTM D402. It is used to protect the flask from air currents and to reduce radiation. The cover (top) will be made in two parts of 6.4-mm (1/4-in) fire proof insulation.

6. Flask and shield support

- Two 15 cm² sheets of 16-mesh Chromel wire gauze on a tripod or ring.

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7. Receiver

- 100 ml graduated glass cylinder as receiver

8. Thermometer

- Glass Thermometer ASTM 8C

9. Thermometer holder

- Silicon rubber stoppers

Note: Specifications are subject to change.