

## Semi-Automatic Vacuum Distillation of Petroleum Products



### Semi-Automatic Vacuum Distillation System

- Automatic Vacuum Control
- Automatic Heat Control
- Vapor Temperature Display
- Pot Temperature Display
- Automatic shutdown for high pot or vapor temperature

The Semi-Automatic Vacuum Distillation System features standard ASTM D1160 glassware enhanced with microprocessor control. The vacuum level, bath temperature and heating rates are programmable with up to 50 stored programs. Vapor temperature, distilling flask temperature and vacuum level are digitally displayed. Optional PC interface allows the distillation to be controlled from a PC and for data to be stored on the PC.

### Test Method

Determines the range of boiling points for petroleum products that can be partially or completely vaporized at a maximum liquid temperature of 400°C at reduced pressures. The sample is distilled at a controlled, reduced pressure under conditions that are designed to provide approximately one theoretical plate fractionation. Initial and final boiling point is measured and a distillation curve relating volume percent distilled and the atmospheric equivalent boiling point temperature can be prepared.

### Specifications

Conforms to the Specifications of:  
ASTM D1160

Distillation Temperature Range:  
Ambient to 400°C (752°F)

Condenser Temperature Range:  
Ambient +5°C to 150°C

Vacuum Range:  
1.00 mmHg to 50 mmHg (0.13 to 6.7 kPa)

### Ordering Information

#### Catalog No.

<b>K87180</b>	Semi-Automatic Vacuum Distillation System
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