

## VISCOMETER BATH

### ASTM D445 IP 71 ISO 3104 KINEMATIC VISCOSITY OF TRANSPARENT AND OPAQUE LIQUIDS (AND CALCULATION OF DYNAMIC VISCOSITY)

Procedure for the determination of the kinematic viscosity of liquid petroleum products, both transparent and opaque, by measuring the time for a volume of liquid to flow under gravity through a calibrated glass capillary viscometer. The dynamic viscosity can be obtained by multiplying the kinematic viscosity by the density of the liquid.

### ASTM D446 IP 71 ISO 3105 STANDARD SPECIFICATIONS AND OPERATING INSTRUCTIONS FOR GLASS CAPILLARY KINEMATIC VISCOMETERS

### ASTM D2170 IP 319 KINEMATIC VISCOSITY OF ASPHALTS (BITUMENS)

Procedure for the determination of kinematic viscosity of liquid asphalts (bitumens), road oils and distillation residues of liquid asphalts (bitumens) all at 60°C (140°F) and of asphalt cements at 135°C (275°F) in the range from 6 to 100.000 mm²/s (cSt).

### EN 12595 KINEMATIC VISCOSITY OF BITUMEN AND BITUMINOUS BINDERS

For the determination of the kinematic viscosity of bituminous binders at 60°C and 135 °C in the range from 6 to 300.000 mm²/s (cSt). Bituminous Emulsions are not covered within the scope of this method..

For the determination of the kinematic viscosity with glass capillary viscometer.

Borosilicate tank, cover with 5 holes 50.8 mm, leakage protection vessel made of tempered glass supplied with cork disk supporting and stainless steel base, stainless steel control box on the cover, temperature controlled by digital thermoregulator PID with PT100 probe class A and overtemperature alarm, stainless steel heater, cooling coil for improved control near to ambient temperature, motor stirrer, safety internal level for low liquid with warning lamp. With stand-by stainless steel covers.

Technical specifications:

- Temperature: from ambient to 150°C (302°F)
- Stability:  $\pm 0.1^\circ\text{C}$
- Bath capacity: about 15 liters
- Power supply: 230V  $\pm 10\%$  50/60 Hz
- Power: 1200W
- Dimensions: 35x35x52 cm
- Weight: 15 kg.

### 370 VISCOMETER BATH 150°C $\pm 0.1^\circ$



#### ACCESSORIES ON REQUEST

- |            |   |
|------------|---|
| 10-0371/20 | SILICONE OIL 20 cSt pack of 25 kg<br>For temperature from ambient to 120°C (248°F)        |
| 10-0371/50 | SILICONE OIL 50 cSt, pack of 25 kg<br>For temperature from 100°C (212°F) to 200°C (392°F) |
| 10-0372    | VISCOSITY TEMPERATURE CHARTS<br>For liquid petroleum products, charts I thru VII          |
| 10-0373    | FILTER, 75 MICRON   |
| 10-0375    | METALLIC SYRINGE  |
| 10-0332    | DIGITAL STOPWATCH<br>7 digit LCD, max.10 hours, 1/100 sec,<br>digit h=8 mm                |
| 10-0371    | BACK LIGHT  |

Glass capillary page from 12 to 18

#### SPARE PARTS

- |                  |                           |
|------------------|---------------------------|
| 18-0001          | JAR                       |
| 18-0003/CONT/330 | LEAKAGE PROTECTION VESSEL |
| 15-0371          | LAMP                      |
| 14-0002          | PROBE PT100A              |
| 11-0012/13       | HEATER                    |
| 15-0003/120      | LEVEL SWITCH              |
| 16-0005          | DIGITAL THERMOREGULATOR   |
| 15-0015          | STATIC RELAY              |
| 15-0004          | BIPOLAR GREEN SWITCH      |
| 12-0001          | MOTOR STIRRER             |