

## DATA SHEET

### Kinematic Viscometers



81-PV0116/A Viscosity Bath

#### General description

##### **Cannon-Fenske opaque viscometers**

Used for the determination of kinematic viscosity of liquid asphalts (bitumens) and road oils at 60°C and distillation residue of liquid asphalts and asphalt cements at 135°C. Cannon-Fenske Opaque models are suitable for opaque liquids. Supplied complete with calibration certificate.

##### **Zeitfuchs cross-arm viscometers**

Used for the determination of kinematic viscosity of liquid asphalts (bitumens) road oil and distillation residues of liquid asphalts and asphalt cements at 135°C. Supplied complete with calibration certificate.

##### **BS U-Tube modified reverse flow viscometers**

Used for the determination of kinematic viscosity of liquid asphalts (bitumen) road oil and distillation residues of liquid asphalts and asphalt cements at 135°C. Supplied complete with calibration certificate.

For determining the kinematic viscosity, all the above viscometers have to be introduced in the 81-B0116/A Viscometer bath by the appropriate Holder 81-B0116/H2 for Zeitfuchs cross-arm models and 81-B0116/H3 for BS U-Tube models.

See accessories.

Viscometer bath is used in the determination of both the kinematic and dynamic viscosity. Used to maintain the capillary type viscometers at a uniform temperature. The bath consists of a cylindrical glass vessel with a stainless steel cover with 50.8 mm diameter holes, motor stirrer, refrigerating coil with water connections, heating system, contact thermometer, external protection and insulating base. NOTE: 81-PV0116/A viscometer bath includes six holders for Cannon-Fenske viscometers.

#### Standards

- AASHTO T201
- EN 12595
- ASTM D2170

#### Specifications

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Viscometer bath:

Temperature: room temp. +5°C to 150° C

Power: 2000 W

Temperature stability: +/-0.03°C

Temperature sensor: PID

Jar capacity: approx.20 liters

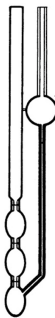
6 viscometer tubes

Maximum temperature 200°C

Weight: approx.12 kg



81-B0116/10 to 81-B0116/16



81-B0116/20 to 81-B0116/27

## Products

### 81-B0116/1

Cannon-Ubbelohde viscometer 0.035 cSt/S, 7-35 cSt

### 81-B0116/10

Zeitfuchs cross-arm viscometer 0.1 cSt/S, 20 - 100cSt

### 81-B0116/11

Zeitfuchs cross-arm viscometer 0.3 cSt/S, 60 - 300cSt

### 81-B0116/12

Zeitfuchs cross-arm viscometer 1.0 cSt/S, 200 - 1000 cSt

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### 81-B0116/13

Zeitfuchs cross-arm viscometer 3.0 cSt/S, 600 - 3000 cSt

### 81-B0116/14

Zeitfuchs cross-arm viscometer 10.0 cSt/S, 2000 - 10000 cSt

### 81-B0116/15

Zeitfuchs cross-arm viscometer 30.0 cSt/S, 6000 - 30000 cSt

### 81-B0116/16

Zeitfuchs cross-arm viscometer 100.0 cSt/S, 20000-100000 cSt

### 81-B0116/2

Cannon-fenske viscometer 0.1 cSt/S, 20 - 100 cSt

### 81-B0116/20

BS U-tube modified reverse flow viscometer 0.1 cSt/S, 6 - 100 cSt

### 81-B0116/21

BS U-tube modified reverse flow viscometer 0.3 cSt/S, 18 - 300 cSt

### 81-B0116/22

BS U-tube modified reverse flow viscometer 1.0 cSt/S, 60 - 1000 cSt

### 81-B0116/23

BS U-tube modified reverse flow viscometer 3.0 cSt/S, 180 - 3000 cSt

### 81-B0116/24

BS U-tube modified reverse flow viscometer 10 cSt/S, 600 - 10000 cSt

### 81-B0116/25

BS U-tube modified reverse flow viscometer 30 cSt/S, 1800 - 30000 cSt

### 81-B0116/26

BS U-tube modified reverse flow viscometer 100 cSt/S, 6000 - 100000 cSt

### 81-B0116/27

BS U-tube modified reverse flow viscometer 300 cSt/S, 18000 - 300000 cSt

### 81-B0116/3

Cannon-fenske viscometer 0.25 cSt/S, 50 - 250 cSt

### 81-B0116/4

Cannon-fenske viscometer 0.5 cSt/S, 100 - 500 cSt

### 81-B0116/5

Cannon-fenske viscometer 1.2 cSt/S, 240-1200 cSt

### 81-B0116/6

Cannon-fenske viscometer 2.5 cSt/S, 500 - 2500 cSt

### 81-B0116/7

Cannon-fenske viscometer 8 cSt/S, 1600 - 8000 cSt

### 81-B0116/8

Cannon-Fenske viscometer 20 cSt/S, 4000-20000 cSt

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### Accessories and consumables

#### **81-B0116/H2**

Holder for Zeitfuchs Cross-Arm viscometers

#### **81-B0116/H3**

Holder for BS U-tube viscometers

#### **81-PV0116/A**

Viscometer bath for capillary viscometers, max temperature 200°C, capacity 20 litres, complete with 6 holders. 230V/50-60Hz/1ph

#### **81-PV0116/AZ**

Viscometer bath for capillary viscometers, max temperature 200°C, capacity 20 litres, complete with 6 holders. 110V/60Hz/1ph

#### **82-B0116/40MF**

Kinematic/dynamic viscosity thermometer IP 35C ASTM 47C, range +58,5 to +61,5°C, mercury free with alternative liquid

#### **82-B0116/45MF**

Kinematic/dynamic viscosity thermometer IP 93C ASTM 110C, range +133,5 to +136,5°C, mercury free with alternative liquid