



# VISCOSITY

## KINEMATIC VISCOSITY BATH

### COMPLIANCE

As per ASTM D445; ASTM D446; ASTM D2270 - IP 226; BS 188;  
BS 2000 Part 71, BS 4459; ISO 2909

### APPLICATION

To determine the Kinematic viscosity of clear and opaque fluids by measuring flow under gravity at precisely controlled temperatures, with calibrated capillary viscometers.

### DESCRIPTION AND CONSTRUCTION

A space saving solution for Kinematic viscosity test at standard / preferred temperatures.

- \* Full Visibility and High precision.
- \* Stainless steel inner tank to accommodate 4/6 viscometers
- \* Outer of powder coated CR sheet.
- \* Toughened glass view windows.
- \* Microprocessor based Digital, fully solid state PID Controller with 3½ digit LED display.
- \* Pump-cum-stirrer to provide gentle yet through agitation
- \* Provision for fitting diffused day light
- \* Operation on 230V,50Hz AC.

- \* Temp. range : 5°C above amb. to 110°C.
- \* Accuracy : ±0.1°C/0.05°C @100°C
- \* Resolution : 0.1°C/0.01°C
- \* Power : 1.5KW



- Temp. range : -20°C to 110°C.
- Accuracy : ± 0.05°C @100°C
- Resolution : 0.01°C
- Power : 2.5KW



# VISCOSITY

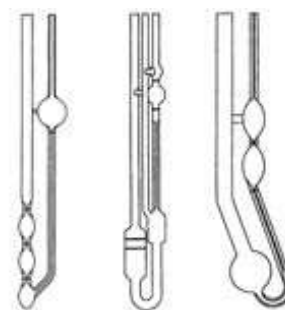
MODEL	CODE	INNER			VOLUME	POWER		
		CHAMBER SIZE						LTR
		L	W	D				
KVB-S4	11009-00	400 x 160 x 350mm			40°C	22	4 VM	1.50
KVB-S6	11009-01	490 x 160 x 350mm			40°C	27	6 VM	2.75
KVB-P4	11009-02	400 x 160 x 350mm			100°C	22	4 VM	1.50
KVB-P4	11009-03	400 x 160 x 350mm			150°C	22	4 VM	2.00
KVB-P6	11009-04	490 x 160 x 350mm			100°C	27	6 VM	2.75
KVBR-P4	11009-05	400 x 160 x 350mm			20 to 100°C	22	4 VM	2.50
KVBR-P4	11009-06	400 x 160 x 350mm			-20 to 100°C	22	4 VM	3.00

### Reading the Model

- \* P - Pump
- \* S - Stirrer
- \* R - Refrigerated model
- \* Numerical stands for no. of viscometer

### OPTIONAL ACCESSORIES

- 11009-10 Viscometer Holder
- 11009-11 Viscometer Tray
- 11009-12 Viscometer Stand
- 11009-13 Lighting Attachment
- 11009-14 High set safety cutoff device
- 11009-15 Controller with Resolution of 0.01°C
- 11009-11 Bath Media for Temp. upto 100°C
- 11009-12 Bath Media for Temp. upto 150°C
- 26000-xx Glass viscometers
- 15001-xx Range: 40°C (IP-92c)
- 15001-xx Range: 100°C (ASTM-121c)
- 15074-00 Stop Watch
- NABL Temp. Calibration Cert.



**GLASS  
VISCOMETERS**



**VISCOMETER  
STAND**



# VISCOSITY

## GLASS VISCOMETERS

### OSWAL TYPE VISCOMETER - DIRECT FLOW

Complete with works constant certificate.

SIZE	VISCOSITY RANGE	CODE
A	0.9 to 3mm <sup>2</sup> /sec	26000-01
B	2.0 to 10mm <sup>2</sup> /sec	26000-02
C	6.0 to 30mm <sup>2</sup> /sec	26000-03
D	20 to 100mm <sup>2</sup> /sec	26000-04
E	60 to 300mm <sup>2</sup> /sec	26000-05
F	200 to 1000mm <sup>2</sup> /sec	26000-06
G	600 to 3000mm <sup>2</sup> /sec	26000-07
H	2000 to 10000mm <sup>2</sup> /sec	26000-08

### OSWAL TYPE VISCOMETER - REVERCE FLOW

Complete with works constant certificate.

SIZE	VISCOSITY RANGE	CODE
1	0.6 to 3mm <sup>2</sup> /sec	26000-09
2	2.0 to 10mm <sup>2</sup> /sec	26000-10
3	6.0 to 30mm <sup>2</sup> /sec	26000-11
4	20 to 100mm <sup>2</sup> /sec	26000-12
5	60 to 300mm <sup>2</sup> /sec	26000-13
6	200 to 1,000mm <sup>2</sup> /sec	26000-14
7	600 to 3,000mm <sup>2</sup> /sec	26000-15
8	2,000 to 10,000mm <sup>2</sup> /sec	26000-16
9	6,000 to 30,000mm <sup>2</sup> /sec	26000-17
10	20,000 to 10,0000mm <sup>2</sup> /sec	26000-18

### CANON FENSKY TYPE VISCOMETER - DIRECT FLOW

Complete with works constant certificate.

SIZE	VISCOSITY RANGE	CODE
100	3 to 15cSt	26000-19
150	7 to 35cSt	26000-20
200	20 to 100cSt	26000-21
300	50 to 200cSt	26000-22
350	100 to 500cSt	26000-23
400	240 to 1,200cSt	26000-24
450	500 to 2,500cSt	26000-25
500	1,600 to 8,000cSt	26000-26
600	4,000 to 20,000cSt	26000-35



# VISCOSITY

## GLASS VISCOMETERS

### CANON FENSKY TYPE VISCOMETER - REVERSE FLOW

Generally used for opaque liquids. Complete with works constant certificate.

SIZE	VISCOSITY RANGE	CODE
100	3 to 15cSt	26000-27
150	7 to 35cSt	26000-28
200	20 to 100cSt	26000-29
300	50 to 200cSt	26000-30
350	100 to 500cSt	26000-31
400	240 to 1,200cSt	26000-32
450	500 to 2,500cSt	26000-33
500	1,600 to 8,000cSt	26000-34
600	4,000 to 20,000cSt	26000-36

### UBBELOHDE VISCOMETER

Generally used for transparent Newtonian liquids such as jet and hydraulic lubricants. Complete with works constant certificate.

SIZE	VISCOSITY RANGE	CODE
1	2 to 10cSt	26000-37
1C	6 to 30cSt	26000-38
1B	10 to 50cSt	26000-39
2	20 to 100cSt	26000-40
2C	60 to 300cSt	26000-41
2B	100 to 500cSt	26000-42
3	200 to 1,000cSt	26000-43
3C	600 to 3,000cSt	26000-44
3B	1,000 to 5,000cSt	26000-45
4	2,000 to 10,000cSt	26000-46
4C	6,000 to 30,000cSt	26000-47



# VISCOSITY

## AUTOMATIC KINEMATIC/DYNAMIC VISCOSITY BATH

### COMPLIANCE

As per ASTM D445; ASTM D446; ASTM D2270 - IP 226; BS 188;  
BS 2000 Part 71, BS 4459; ISO 2909

### APPLICATION

To automatically determine the Kinematic viscosity of fluids by capillary viscometer method at precisely controlled temperatures

### DESCRIPTION AND CONSTRUCTION

An ergonomically designed system, with 3" colour touch screen graphic user interface, with internal memory for storage of data and reports. The system is LAN enabled and hence does not need a dedicated PC. It can be used as a stand alone and can transfer data to any PC in the network. The system is of modular design, for easy handling and service. It has a separate Glass bath of 2ltr capacity with a specially designed glass viscometer with optical sensors to measure the viscosity of the given sample.

### SPECIFICATIONS :

Temp. range	: 5°C above amb. to 100°C.
Temp. Control Accuracy	: ±0.05°C.
Temp. Resolution	: 0.01°C
Sample Volume	: 15ml
Viscosity Range	: 2 to 10,000cst(mm <sup>2</sup> /sec)
Viscosity Accuracy	: ±2%

### STANDARD FEATURES

- Auto Cleaning with 2 solvents
- Minimal Solvent consumption
- Auto Sample Drawing
- Auto Capillary/Range Selection
- Auto Testing after sample Temp. Stabilization
- Auto System Diagnostic Features
- Communication Ethernet/RS232
- Inbuilt Memory to store upto 200 records
- Reduced VOC Emissions
- Automatic Dynamic Viscosity Determination
- 100% GLP Compliance

