

Cannon-Manning Vacuum Capillary Viscometer

Suitable for measuring the dynamic viscosity of bituminous binders. Nominal overall length 245 mm. Calibrated in accordance with EN 12596 and ASTM D2171.



Part No.	Size	Constant	Range (Pa.s)
1676/01	4	0.0002	0.0036 to 0.08
1676/02	5	0.0006	0.012 to 0.24
1676/03	6	0.002	0.036 to 0.8
1676/04	7	0.01	0.12 to 2.4
1676/05	8	0.02	0.36 to 8.0
1676/06	9	0.06	1.2 to 24
1676/07	10	0.2	3.6 to 80
1676/08	11	0.6	12 to 240
1676/09	12	2.0	36 to 800
1676/10	13	6.0	120 to 2400
1676/11	14	20.0	360 to 8000
Note:	Nominal constant for bulb "B" is shown for illustration purposes.		

Asphalt Institute Vacuum Capillary Viscometer

Suitable for measuring the dynamic viscosity of bituminous binders. Nominal overall length 245 mm. Calibrated in accordance with EN 12596 and ASTM D2171.



Part No.	Size	Constant	Range (Pa.s)
1677/01	25	0.2	4.2 to 80
1677/02	50	0.8	18 to 320
1677/03	100	3.2	60 to 1280
1677/04	200	12.8	240 to 5200
1677/05	400	50	960 to 20000
1677/06	400Rc	50	960 to 140000
1677/07	800Rc	200	3800 to 580000
Note:	Nominal constant for bulb "B" is shown for illustration purposes.		

U-Tube Viscometers

Suitable for measuring transparent liquids. Type BS/U - Nominal overall length 300 mm, approximate sample volume 13-40 ml. Complete with ISO 17025 certificate of calibration.



Part No.	Size	Constant	Range (mm ² /s)
1619/00	O	0.001	0.3 to 1
1619/01	A	0.003	0.9 to 3
1619/02	B	0.01	2.0 to 10
1619/03	C	0.03	6 to 30
1619/04	D	0.1	20 to 100
1619/05	E	0.3	60 to 300
1619/06	F	1.0	200 to 1,000
1619/07	G	3.0	600 to 3,000
1619/08	H	10	2,000 to 10,000

Cannon Manning Semi-Micro Viscometers

Type ASTM – Suitable for transparent liquids. Nominal overall length 275 mm; approximate sample volume 1 ml. Complete with ISO 17025 certificate of calibration.



Part No.	Size	Constant	Range (mm ² /s)
1659/01	25	0.002	0.4 to 2.0
1659/02	50	0.004	0.8 to 4.0
1659/03	75	0.008	1.6 to 8.0
1659/04	100	0.015	3 to 15
1659/05	150	0.035	7 to 35
1659/06	200	0.1	20 to 100
1659/07	300	0.25	50 to 250
1659/08	350	0.5	100 to 500
1659/09	400	1.2	240 to 1,200
1659/10	450	2.5	500 to 2,500
1659/11	500	8.0	1,600 to 8,000
1659/12	600	20	4,000 to 20,000

Modified Koppers Vacuum Capillary Viscometer

Suitable for measuring the dynamic viscosity of bituminous binders. Nominal overall length 270 mm. Calibrated in accordance with EN 12596 and ASTM D2171.

Part No.	Size	Constant	Range (Pa.s)
1678/01	25	0.2	4.2 to 80
1678/02	50	0.8	18 to 320
1678/03	100	3.2	60 to 1280
1678/04	200	12.8	240 to 5200
1678/05	400	50	960 to 20000
Note:	Nominal constant for bulb "B" is shown for illustration purposes.		

Vacuum System for bituminous binders

Complete with vacuum controller, vacuum pump, valve control module and glass bottle.

Part No.	Description
20700/01	Bitumen Vacuum System 240V / 50Hz
20700/02	Bitumen Vacuum System 110V / 60Hz

Miniature U-Tube Viscometers

Suitable for measuring transparent liquids. Type BS/U/M - Nominal overall length 250 mm, approximate sample volume 4 ml. Complete with ISO 17025 certificate of calibration.

Part No.	Size	Constant	Range (mm ² /s)
1622/01	M1	0.001	0.2 to 1
1622/02	M2	0.005	1 to 5
1622/03	M3	0.015	3 to 15
1622/04	M4	0.04	8 to 40
1622/05	M5	0.1	20 to 100

Zeitfuchs Cross-Arm Viscometers

Type ASTM – Nominal overall length 295 mm; approximate sample volume up to 3 ml. Complete with ISO 17025 certificate of calibration.



Part No.	Size	Constant	Range (mm ² /s)
1663/01	1	0.003	0.6 to 3
1663/02	2	0.01	2 to 10
1663/03	3	0.03	6 to 30
1663/04	4	0.1	20 to 100
1663/05	5	0.3	60 to 300
1663/06	6	1.0	200 to 1,000
1663/07	7	3.0	600 to 3,000
1663/08	8	10	2,000 to 10,000
1663/09	9	30	6,000 to 30,000
1663/10	10	100	20,000 to 100,000

PSL Rheotek bitumen viscometers are suitable for measuring a wide range of liquid asphalts, bituminous binders and asphalt cements. For vacuum capillary viscometers, a bitumen vacuum system is available. Other accessories include viscometer bath, silicone bath oil and viscosity oil standards.

PSL Rheotek glass capillary viscometers are suitable for a wide range of applications. Applicable petroleum testing methods include ASTM D445, D446, D2162, D2170, D2171, ISO 3104 & ISO3105. Other applications include polymers, cellulose, blood and plasma.