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VISCOSITY FLOW CUPS

RHOPOINT
PAINTLAB+ ©

- Precise flow rate measurement
- Choice of standards of compliance
- Robust design and construction



Rhopoint Instruments Limited
is a member of the
Rhopoint Group

VISCOSITY FLOW CUPS

The Rhopoint *PAINTLAB+* Flow Cups are designed to accurately measure the viscosity of paints, inks, varnishes and similar products.


The process of flow through an orifice can often be used as a relative measurement and classification of viscosity.

This measured kinematic viscosity is generally expressed in seconds of flow time which can be converted into centistokes (cSt) using a viscosity calculator.

Manufactured from high grade aluminium alloy with stainless steel orifices (where indicated), the Rhopoint *PAINTLAB+* Flow Cups are available with a range of UKAS / ISO 17025 certified standard oils to confirm the flow cup is measuring within specification.



VISCOSITY FLOW CUPS

	Product	Order code	Orifice diameter	Viscosity range	Flow times
	BS FLOW CUP BS 3900 (1971) Old Specification (B2) BS 3900 (1971) Old Specification (B3) BS 3900 (1971) Old Specification (B4) BS 3900 (1971) Old Specification (B5) BS 3900 (1971) Old Specification (B6)	RL-A-FC-PTA6/B2 RL-A-FC-PTA6/B3 RL-A-FC-PTA6/B4 RL-A-FC-PTA6/B5 RL-A-FC-PTA6/B6	2.38mm (0.09") 3.17mm (0.12") 3.97mm (0.16") 4.76mm (0.19") 7.14mm (0.28")	38 - 71cSt 38 - 147cSt 71 - 455cSt 299 - 781cSt 781 - 1650cSt	30 - 300 secs
	DIN FLOW CUP Din Flow Cup (2mm) - Din 53211 Din Flow Cup (4mm) - Din 53211 Din Flow Cup (6mm) - Din 53211 Din Flow Cup (8mm) - Din 53211 The orifices are manufactured from stainless steel.	RL-A-FC-DIN2 RL-A-FC-DIN4 RL-A-FC-DIN6 RL-A-FC-DIN8	2mm (0.08") 4mm (0.16") 6mm (0.24") 8mm (0.31")	15 - 30cSt 112 - 685cSt 550 - 1500cSt 1200 - 3000cSt (approximately)	25 - 150 secs
	FORD FLOW CUP Ford Flow Cup No 1 - ASTM D1200 Ford Flow Cup No 2 - ASTM D1200 Ford Flow Cup No 3 - ASTM D1200 Ford Flow Cup No 4 - ASTM D1200 Ford Flow Cup No 5 - ASTM D1200 The orifices are manufactured from stainless steel.	RL-A-FC-ASTM1 RL-A-FC-ASTM2 RL-A-FC-ASTM3 RL-A-FC-ASTM4 RL-A-FC-ASTM5	2.1mm (0.08") 2.8mm (0.11") 3.4mm (0.13") 4.1mm (0.16") 5.8mm (0.23")	10 - 35cSt 25 - 120cSt 49 - 220cSt 70 - 370cSt 200 - 1200cSt	55 - 100 secs 40 - 100 secs 30 - 100 secs 30 - 100 secs 30 - 100 secs
	ISO/ASTM FLOW CUP Flow Cups to BS EN ISO 2431, ASTM D5125 Flow Cups to BS EN ISO 2431, ASTM D5125 Flow Cups to BS EN ISO 2431, ASTM D5125 Flow Cups to BS EN ISO 2431, ASTM D5125 Flow Cups to BS EN ISO 2431, ASTM D5125 The orifices are manufactured from stainless steel.	RL-A-FC-ISO3 RL-A-FC-ISO4 RL-A-FC-ISO5 RL-A-FC-ISO6 RL-A-FC-ISO8	3mm (0.12") 4mm (0.16") 5mm (0.20") 6mm (0.24") 8mm (0.31")	7 - 42cSt 35 - 135cSt 91 - 325cSt 188 - 684cSt 600 - 2000cSt	30 - 100 secs
	AFNOR FLOW CUP Afnor Flow Cup - 2.5mm - NF T30-014 Afnor Flow Cup - 4mm - NF T30-014 Afnor Flow Cup - 6mm - NF T30-014 Afnor Flow Cup - 8mm - NF T30-014	RL-A-FC-AFNOR/2.5 RL-A-FC-AFNOR/4 RL-A-FC-AFNOR/6 RL-A-FC-AFNOR/8	2.5mm (0.10") 4mm (0.16") 6mm (0.24") 8mm (0.31")	5 - 140cSt 50 - 1100cSt 510 - 5100cSt 700 - 11500cSt	30 - 100 secs
	FRIKMAR FLOW CUP Frikmar Flow Cup 2mm Frikmar Flow Cup 4mm Frikmar Flow Cup 6mm Frikmar Flow Cup 8mm The orifices are manufactured from stainless steel.	RL-A-FC-FRIKMAR/2 RL-A-FC-FRIKMAR/4 RL-A-FC-FRIKMAR/6 RL-A-FC-FRIKMAR/8	2mm (0.08") 4mm (0.16") 6mm (0.24") 8mm (0.31")	15 - 30 cSt 112 - 685cSt 550 - 1500cSt 1200 - 3000cSt (approximately)	25 - 150 secs

VISCOSITY FLOW CUPS

SPECIFICATION

- **Material:** High grade aluminium alloy
- **Commodity Code:** 9027 8091
- **Weight:** 200 - 300g depending on model

CALIBRATION OILS

Order Code	Nominal Value 25°C (cSt)
RL-A-VISCOSITYOIL 14	17
RL-A-VISCOSITYOIL 28	33
RL-A-VISCOSITYOIL 50	59
RL-A-VISCOSITYOIL 75	88
RL-A-VISCOSITYOIL 100	115
RL-A-VISCOSITYOIL 150	174
RL-A-VISCOSITYOIL 200	233
RL-A-VISCOSITYOIL 250	289
RL-A-VISCOSITYOIL 300	352
RL-A-VISCOSITYOIL 350	405
RL-A-VISCOSITYOIL 390	446
RL-A-VISCOSITYOIL 500	580
RL-A-VISCOSITYOIL 750	862
RL-A-VISCOSITYOIL 1000	1160
RL-A-VISCOSITYOIL 1500	1718
RL-A-VISCOSITYOIL 2500	2860
RL-A-VISCOSITYOIL 3900	4530
RL-A-VISCOSITYOIL 6000	6900
RL-A-VISCOSITYOIL 7750	9000
RL-A-VISCOSITYOIL 10000	11300
RL-A-VISCOSITYOIL 15000	17000
RL-A-VISCOSITYOIL 20000	22500



ACCESSORIES

- Certificate of conformity (included)

OPTIONAL EXTRAS

- **Flow cup stand** – Lightweight aluminium stand suitable for use with all Rhopoint flow cups. Supplied with spirit level.



Certificate no: FM 29741
ISO 9001:2008



LOCAL AGENT

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