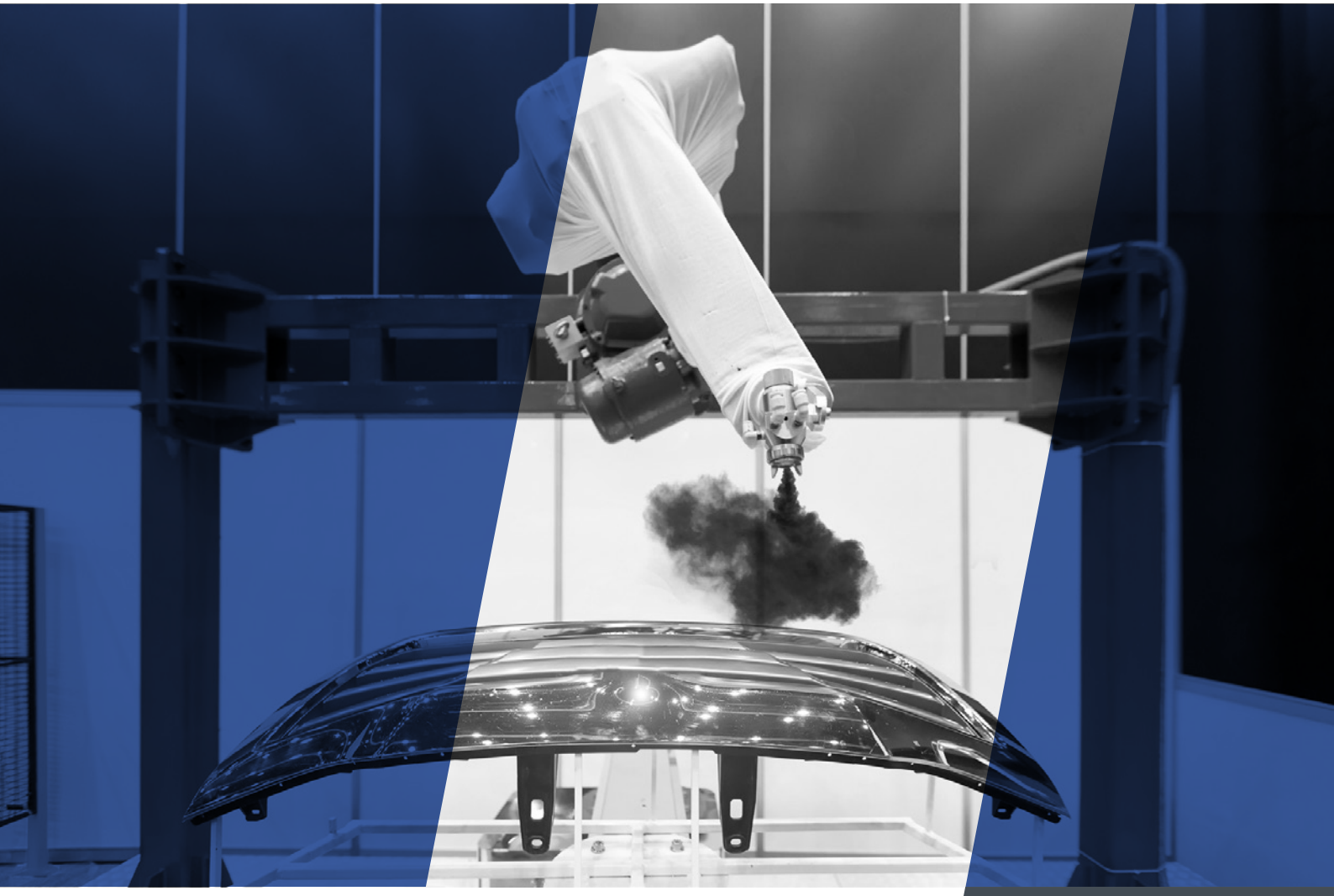
RHOPINT INSTRUMENTS

RHOPINT AMERICAS



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Manufactured by Rhopoint Instruments in the United Kingdom

RHOPINT PAINTLAB+

Viscosity Flow Cups

- Precise flow rate measurement
- Choice of standards of compliance
- Robust design and construction
- Available to buy online

Viscosity Flow Cups

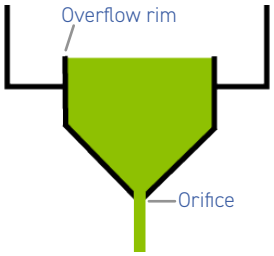
The Rhopoint Flow Cups are designed to accurately measure the viscosity of paints, inks, varnishes and similar products.

What is viscosity?

The term “viscosity” is a parameter that describes a fluids resistance to flow. This resistance is a measure of the friction and the forces of interaction between the layers of a fluid. This friction is apparent when one layer of fluid is made to move against another
The greater the friction, the greater the amount of force required to cause the movement – known as “shear”.

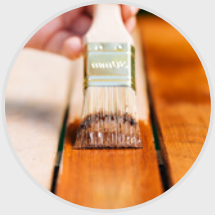
The process of flow through an orifice can often be used as a relative measurement and classification of viscosity. This measured kinematic viscosity is generally expressed in seconds of flow time which can be converted into centistokes (cSt) using a viscosity calculator.

Flow cup (cross section)



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

Paint



Varnish

Printing Ink

Product		Order code	Orifice diameter	Viscosity range	Flow times
BS FLOW CUP					Buy online
	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					Buy online
	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")	5 - 30cSt 112 - 685cSt 550 - 1500cSt 1200 - 3000cSt (approximately)	25 - 150 secs
FORD FLOW CUP					Buy online
	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					Buy online
	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					Buy online
	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					Buy online
	Frikmar Flow Cup 2mm - DIN 53211 Frikmar Flow Cup 4mm - DIN 53211 Frikmar Flow Cup 6mm - DIN 53211 Frikmar Flow Cup 8mm - DIN 53211 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

Specifications & Accessories

Specification	Application
Material	High grade aluminium alloy, stainless steel orifice
Commodity Code:	9027 8091
Weight	200 - 300g depending on model

Accessories

Certificate of conformity

Optional extra

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

Order code: RL-A-FC-STAND

Ready to receive a quote? **Click here**

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