VISCOSITY FLOW CUPS

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

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

The orifices are manufactured from stainless steel.
VISCOSITY FLOW CUPS

SPECIFICATION

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

CALIBRATION OILS

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Nominal Value 25°C (cSt)</th>
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<tbody>
<tr>
<td>RL-A-VISCOSITYOIL 14</td>
<td>17</td>
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<tr>
<td>RL-A-VISCOSITYOIL 28</td>
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<td>RL-A-VISCOSITYOIL 50</td>
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<td>RL-A-VISCOSITYOIL 75</td>
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<td>RL-A-VISCOSITYOIL 390</td>
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<td>RL-A-VISCOSITYOIL 500</td>
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<td>RL-A-VISCOSITYOIL 750</td>
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<tr>
<td>RL-A-VISCOSITYOIL 1000</td>
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<tr>
<td>RL-A-VISCOSITYOIL 1500</td>
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<tr>
<td>RL-A-VISCOSITYOIL 2500</td>
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<td>RL-A-VISCOSITYOIL 3900</td>
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<td>RL-A-VISCOSITYOIL 6000</td>
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<td>RL-A-VISCOSITYOIL 7750</td>
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<td>RL-A-VISCOSITYOIL 10000</td>
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<td>RL-A-VISCOSITYOIL 15000</td>
<td>17000</td>
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<tr>
<td>RL-A-VISCOSITYOIL 20000</td>
<td>22500</td>
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</tbody>
</table>

ACCESSORIES

- Certificate of conformity (included)

OPTIONAL EXTRAS

- UKAS / ISO 17025 calibration certificate
- Flow cup stand – Lightweight aluminium stand suitable for use with all Rhopoint flow cups. Supplied with spirit level.

LOCAL AGENT

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