

# Viscosity

## Flow Cups

Simple to use flow cups for the approximate measurement of apparent viscosity in a wide range of materials including paints, varnishes, lacquers, inks and other viscous products.

### BS-ISO Flow Cups, Seta

To BS3900; ASTM D5125; EN535 - ISO2431; DIN 53224. Aluminium with stainless steel jet. The cup number is the orifice diameter in mm.

**VC100-15** No. 3  
**VC100-20** No. 4  
**VC100-25** No. 5

**VC100-30** No. 6  
**VC100-40** No. 8\*

\*Note: This cup is not in the current BS-ISO series but is offered for use with high viscosity samples.

### B-Type Flow Cups, Seta

Brass. As specified in former BS3900 Section A6. Viscosity range stated is approximate.

	Jet	Orifice diameter inches	Viscosity range stokes
<b>VC120-10</b>	B2	0.093	0 to 0.5
<b>VC120-15</b>	B3	0.125	0.4 to 1.2
<b>VC120-20</b>	B4	0.156	0.8 to 2.5
<b>VC120-25</b>	B5	0.187	1.5 to 10
<b>VC120-30</b>	B6	0.281	10 to 50

#### Note

To convert readings in centistokes (cSt) into centipoise (cP) the value should be multiplied by the sample liquid's specific gravity.

### Ford-Type Flow Cups, Seta

With detachable brass jet. To ASTM D1200. Viscosity range stated is approximate.

	Jet	Orifice diameter inches	Viscosity range stokes
<b>VC140-10</b>	Ford 2	0.099	0.2 to 0.8
<b>VC140-15</b>	Ford 3	0.134	0.4 to 2.2
<b>VC140-20</b>	Ford 4	0.162	0.75 to 3.6

### Accessories for Flow Cups

**VC148-12** Protective collar for B-type and Ford type cups  
**VC148-18** Stand, with levelling feet  
**VC148-24** Spirit level

### Zahn Flow Cups, Seta

Stainless steel with 300mm looped handle with ring which allows cup to be held vertically. Cup capacity 44ml. To ASTM D816 and ASTM D1084.

	No.	Orifice diameter inches	Viscosity range centipoise
<b>VC170-10</b>	1	0.078	20 to 85
<b>VC170-20</b>	2	0.108	30 to 170
<b>VC170-30</b>	3	0.148	170 to 550
<b>VC170-40</b>	4	0.168	200 to 900
<b>VC170-50</b>	5	0.208	250 to 1200

### Accessory for Zahn Cups

**VC172-10** Thermometer, bimetal dial, range -30 to +60°C

Stopwatches – see *Timers* section.

ASTM/IP Thermometers – see *Thermometers* section.



VC100 with stand, spirit level and beaker



VC170 with VC172