

**Flow Cups**

Flow Cups are simple and easy to use instruments that permit the flow time of a known liquid solution passing through an orifice located at the bottom. It is made up of brass with or without a stainless steel nozzle. It is used for measuring the consistency/viscosity of paints, varnishes, oils, solvents, and similar products. The measured viscosity is expressed in seconds(s) which can be converted into centistokes(cSt). There are two types of flow cups : Most commonly used B4 flow cup according to IS 101 (Part 1/ Sec. 5) - 1989 and Cylindrical B4 flow cup according to IS 3944 - 1982.

Viscosity cups are supplied with stands for proper level adjustment. Stand consists of a base, rod, holder and a glass plate. Base and holder of the Stand is made up of Mild Steel with durable powder coating and the rod is made up of stainless steel. We also supply inbuilt spirit level.

**Standard: IS 101 (Part 1/ Sec.5) - 1989, IS 3944 - 1982, ISO 2431, ASTM D 5125**

**Raj Make**

**Technical Specifications:**

Ref No.	Flow Cup	Orifice Diameter (mm)	Viscosity Range (cSt)	Flow Time (Sec.)
146/2	B2	2.38	38 - 71	30 - 300
146/3	B3	3.17	38 - 147	30 - 300
146/4	B4	3.97	71 - 455	30 - 300
146/5	B5	4.76	299 - 781	30 - 300
146/6	B6	7.12	781 - 1650	30 - 300

**Ordering Informations:**

Ref No. 146/2 Flow cup B2      Ref No. 146/5 Flow cup B5  
 Ref No. 146/3 Flow cup B3      Ref No. 146/6 Flow cup B6  
 Ref No. 146/4 Flow cup B4

**Standard As per IS 3944 - 1982, ISO 2431, ASTM D 5125**

Ref No.	Flow Cup	Orifice Diameter (mm)	Viscosity Range (cSt)	Flow Time (Sec.)
147/3	B3	3	7 - 42	30 - 100
147/4	B4	4	35 -135	30 - 100
147/5	B5	5	91 - 325	30 - 100
147/6	B6	6	188 - 684	30 - 100
147/8	B8	8	600 - 2000	30 - 100



**Accessories required for testing:**

- Spatula, Stopwatch
- Thermometer 110°C, Glass Beaker

**Package Includes :**

Flow cup, base, rod, holder, glass plate, manual and calibration certificate.

**Ordering Informations:**

Ref No. 147/3 Flow cup B3      Ref No. 147/5 Flow cup B5

Ref No. 147/4 Flow cup B4      Ref No. 147/6 Flow cup B6

**HSN Code:** 90279090      Ref No. 147/8 Flow cup B8

**Din Cups**

Din Cups are simple gravity instruments that permit the measurement of flow time of a known liquid solution passing through an orifice located at the bottom. It is available in anodised aluminium with a stand. Stand consists of a base, rod, holder and a glass plate. Base and holder of the Stand is made up of Mild Steel with durable powder coating and the rod is made up of stainless steel. We also supply with an inbuilt spirit level .

Din cups are also available in dip type. Dip type din cups are made up of anodised aluminium with an attached handle, it is easy to dip the din cup into the solution for measuring the viscosity. Din cups are used to measure the viscosity of paints, varnish, lacquers, oil and other similar products.

**Standard: DIN 53211**

**Raj Make**

**Technical Specifications:**

Ref No.	Din Cup No.	Orifice Diameter (mm)	Viscosity Range (cSt)	Flow Time (Sec.)
718/2	No.2 Stand	2 mm	15 - 30	25 - 150
718/3	No.2 Dip in Type	2 mm	15 - 30	25 - 150
718/4	No.4 Stand	4 mm	112 - 685	25 - 150
718/5	No.4 Dip in Type	4 mm	112 - 685	25 - 150
718/6	No.6 Stand	6 mm	550 - 1500	25 - 150
718/7	No.6 Dip in Type	6 mm	550 - 1500	25 - 150
718/8	No.8 Stand	8 mm	1200 - 3000	25 - 150
718/9	No.8 Dip in Type	8 mm	1200 - 3000	25 - 150



**Accessories required for testing:**

- Spatula
- Stopwatch
- Thermometer 110°C
- Glass Beaker

**Package Includes :**

Din cup, base, rod, holder, glass plate, manual and calibration certificate.

**Ordering Informations:**

Ref No. 718/2 Din cup no.2 with stand

Ref No. 718/3 Din cup no.2 Dip type

Ref No. 718/4 Din cup no.4 with stand

Ref No. 718/5 Din cup no.4 Dip type

**HSN Code:** 90279090

Ref No. 718/6 Din cup no.6 with stand

Ref No. 718/7 Din cup no.6 Dip type

Ref No. 718/8 Din cup no.8 with stand

Ref No. 718/9 Din cup no.8 Dip type

## Ford Cups

Ford Cup is used for determination of viscosity of Newtonian or Near Newtonian paints, varnishes, lacquers and similar products. It is made up of brass. Ford cups are supplied with stands for proper level adjustment. Stand consists of a base, rod, holder and a glass plate. Base and holder of the Stand is made up of Mild Steel with durable powder coating and the rod is made up of stainless steel. We also supply an inbuilt spirit level.

**Standard: ASTM D 1200**

**Raj Make**

### Technical Specifications:

Ref No.	Ford Cup No.	Orifice Diameter (mm)	Viscosity Range (cSt)	Flow Time (Sec.)
149/1	1	1.90	10 - 35	55 - 100
149/2	2	2.53	25 - 120	40 - 100
149/3	3	3.40	49 - 220	30 - 100
149/4	4	4.12	70 - 370	30 - 100
149/5	5	5.20	200 - 1200	30 - 100



### Accessories required for testing:

- Spatula, Stopwatch
- Thermometer 110°C, Glass Beaker

### Ordering Informations:

- Ref No. 149/1 Ford cup no.1
- Ref No. 149/2 Ford cup no.2
- Ref No. 149/3 Ford cup no.3
- Ref No. 149/4 Ford cup no.4
- Ref No. 149/5 Ford cup no.5

### Package Includes:

Ford cup, base, rod, holder, glass plate, manual and calibration certificate.

**HSN Code:** 90279090

## Zahn Cup

Zahn Cup is a small cup attached from a U - shaped looped handle. This Instrument is ideal for measuring the consistency/viscosity of paints, varnishes, ink, lacquer during application or production period. There is an orifice in the centre at the bottom of the cup. It is made up of brass with a plating, a long loop handle is attached with the brass cup so that we can simply dip into the liquid container, lift it out and measure how long time it takes for the contents to empty through the orifice.

**Standards: ASTM D 4212, ASTM D 1084**

**Raj Make**

### Technical Specifications:

Ref No.	Zahn Cup No.	Orifice Diameter (mm)	Viscosity Range (cSt)	Flow Time (Sec.)
148/1	1	2.0	5 - 60	35 - 80
148/2	2	2.7	20 - 250	20 - 80
148/3	3	3.8	100 - 800	20 - 80
148/4	4	4.3	200 - 1200	20 - 80
148/5	5	5.3	400 - 1800	20 - 80



**Accessories required for testing:**

- Spatula, Stopwatch
- Thermometer 110°C, Glass Beaker

**Package Includes :**

Zahn cup, manual and calibration-certificate.

**Ordering Informations:**

Ref No. 148/1 Zahn cup no.1

Ref No. 148/2 Zahn cup no.2

Ref No. 148/3 Zahn cup no.3

Ref No. 148/4 Zahn cup no.4

Ref No. 148/5 Zahn cup no.5

**HSN Code:** 90278090