



PETROLEUM & ITS PRODUCTS

FLOW CUPS

IS : 3944

For determining the efflux time of paint, varnishes, lacquers and other viscous products by a simple empirical test.

It consists of a container with a stainless steel orifice through which the sample flows. A skirt is provided to safeguard the stainless steel orifice. Complete with a stand fitted with levelling screws.

Cat No.	Cup No. (mm)	Orifice Dia (mm)	Viscosity Range (Stokes)
HF56.05	2	2.38	upto 0.5
HF56.10	3	3.17	0.4 - 1.2
HF56.15	4	3.97	0.8 - 2.5
HF56.20	5	4.76	1.5 - 5.0
HF56.25	6	7.12	Above 4.0

All the above flow cups can be used for materials having flow time in the range 30-120 seconds. The cup size is selected in such a way that the flow time of the material comes under this range.

The following table gives the average flow time in seconds at 25°C of selected mineral oils. These values are provided as a guidance for selecting of flow cups.

Cups to IS : 3944

Viscosity of Oil at 25°C Stokes	No.2	No.3	No.4	No.5
0.15	39	-	-	-
0.20	50	-	-	-
0.50	125	46	-	-
1.00	-	90	41	-
2.00	-	-	71	43
3.00	-	-	109	63
5.00	-	-	-	104