

Ford Viscosity Cups

The BYK-Gardner Ford Viscosity Cups are guaranteed to within 2% throughout the recommended use range.

- For low viscosity liquids
- Body made of solid bar aluminum
- Stainless steel orifice
- Calibrated against standard oils referenced to certified NIST oils (National Institute of Standards and Technology of United States)
- Certified cups available on request

DIN Flow Cup

This cup holds 100 ml ± 1 ml, and has an integrated orifice with a diameter of 4 mm ± 0.02 mm.

- For low viscosity liquids
- Body made of anodized aluminum
- Stainless steel orifice, interior polished
- Calibrated against standard oils referenced to certified PTB oils (Federal Institute of Physics and Metrology of Germany)

DIN EN ISO Flow Cup

This cup has a longer orifice, less tapered body and slightly different inner dimensions than the DIN 53211* flow cup and thus provides different efflux times. The extended measurement range makes the DIN EN ISO cup a useful supplement of the DIN cup.

- Recommended for international use
- Body made of anodized aluminum
- Stainless steel orifice, interior polished
- Calibrated against standard oils referenced to certified PTB oils

Standards

ASTM D 333
ASTM D 365
ASTM D 1200



Ford Cup No. 4

Standard

DIN 53 211*



DIN Cup 4

Standard

DIN EN ISO 2431



Flow Cup ISO 3 mm

Ordering Information

Cat. No. Description

A-0173 Ford Cup No. 3

A-0174 Ford Cup No. 4

A-0115 DIN Cup 4

A-0140 Flow Cup DIN

A-0213 Flow Cup ISO 3 mm

A-0214 Flow Cup ISO 4 mm

A-0215 Flow Cup ISO 5 mm

A-0216 Flow Cup ISO 6 mm

Technical Specifications

Standard	Certificate	Range in Centistokes	Efflux Time (seconds)	Orifice Diameter
ASTM		40 to 220	25 to 105	0.13 in
ASTM		70 to 370	20 to 105	0.15 in
DIN 53 211*	X	100 to 500	20 to 110	4 mm
DIN 53 211*		see Cat.No. A-0152 to A-0158		interchangeable orifices
DIN EN ISO 2431	X	10 to 40	30 to 100	3 mm
DIN EN ISO 2431	X	25 to 130	25 to 100	4 mm
DIN EN ISO 2431	X	70 to 370	25 to 100	5 mm
DIN EN ISO 2431	X	130 to 700	25 to 100	6 mm