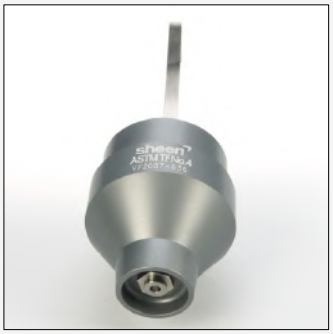
VISCOSITY CUP DIN 53211 DIP-TYPE

VF2071, VF2072, VF2073, VF2074, VF2075, VF2077, VF2213, VF2215, VF2216,VF2217

PRODUCT DESCRIPTION



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 using a viscosity disc calculator. Dip cups can be used to provide a quick viscosity measurement on the shop floor or on site.

BUSINESS

Laboratory, manufacture

STANDARDS

Compatible with/ similar to DIN53211. Look up the appropriate standard for a correct execution of the test.

FEATURES

- Each cup has a long loop handle to allow the cup to be dipped by hand into a liquid container, which makes it easy to quickly check and adjust the viscosity of many different type of liquids.
- The design of the cup and orifice eliminate hard to clean recesses.
- TQC viscosity cups are made under the continuing quality control procedures.
- Each cup is provided with an engraved unique serial number.

SCOPE OF SUPPLY

- Each viscosity cup comes with a hard plastic storage case, with protective soft material on the inside.

ORDERING INFORMATION

Article Number	Product Descr.	Ø Orifice (mm)	Viscosity Range (cSt)	Flow times (sec)
VF2071	2	2		
VF2072	3	3		
VF2073	4	4	96-683	25-150
VF2074	5	5		
VF2075	6	6		
VF2077	8	8		
* For information purposes only; all approximate values at 25 °C.				

Article Number	Product Descr.	Ø Orifice (mm)	Viscosity Range (cSt)	Flow times (sec)
VF2213	2	2		
VF2214	3	3		
VF2215	4	4	96-683	25-150
VF2216	5	5		
VF2217	6	6		
VF2219	8	8		
* For information purposes only; all approximate values at 25 °C.				

ACCESSORIES

VF2210 Test certificate, type M, according to cup type TA 4 mm, DIN 53211
DI0076 Stopwatch Type C510 digital LCD-display, 9h. 59 min. 59,99 sec.
VF2053 Viscosity Conversion Disc

SPECIFICATIONS

Immersion Viscosity Cup Type TA

Cup: titanium anodized aluminium, 100 cc
Nozzle: stainless steel, fixed
Handle: stainless steel.
Comp. with: DIN 53211 (No. 4)
Weigh:t 176-179 gram*
Max. Width: 63 mm
Cup height: 74 mm
Total height: 250 mm
*(depending on orifice)

Immersion Viscosity Cup Type TFR

Cup: stainless steel, 100 cc
Nozzle: stainless steel, fixed
Handle: stainless steel.
Comp. with: DIN 53211 (No. 4)
Weight: 447-450 gram*
Max. Width: 63 mm
Cup height: 74 mm
Total height: 250 mm
*(depending on orifice)

USE

- According to the standard all measurements should be made at 23°C. Temperature drift during the test should be kept to a minimum and should not exceed ± 0,2 °C. Adjust the temperature of the material to be measured if necessary.
- Select the proper orifice to be used from the specification table, which depends on the expected viscosity range of the material to be measured. Lower the cup into the material so that the top rim is submerged.
- Place a thermometer into the cup as it is immersed and determine the temperature of the confined sample.
- Remove thermometer.
- Hold cup vertically by inserting index finger into handle ring. In a quick, steady motion, lift the cup out of the sample material, starting the timer when the cup breaks the surface. During the flow time, hold the cup no more than 15 cm above the level of the sample material.
- Stop the timer when the first definite break in the stream at the base of the cup is observed.

SPECIAL CARE

With reasonable care, a viscosity cup is constructed to give many years of satisfactory service. To clean the instrument, use a soft cloth, NEVER clean by any mechanical means, such as steel brushes, sandpaper or other abrasive tools.
Particular care should be used in cleaning the orifice to avoid leaving deposits or scratches on internal surfaces. It's recommended to clean the cup promptly after each use, unless it will be used immediately for a rerun of the same material.

SAFETY PRECAUTIONS

Determining viscosity may involve hazardous materials, operations and equipment. It is the responsibility of the executor to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to the measurement.

DISCLAIMER

The right of technical modifications is reserved.

The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or condition of the product or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.