

VISCOSITY CUP DIN 53211 WITH INTERCHANGEABLE NOZZLE
VF2020 (VF2181, VF2022, VF2023, VF2024, VF2025, VF2026, VF2027, VF2028)

DATASHEET

PRODUCT DESCRIPTION

The viscosity cup DIN 53211 with interchangeable nozzle consists of a wide range viscosity cups to measure the viscosity of paint, lacquers and other fluids. Very precise, with fixed stainless steel nozzle. The viscosity cup DIN 53211 with interchangeable nozzle is available in titanium anodized aluminum and stainless steel. Widely used in laboratories, to be used with a stand.

**BUSINESS**

Laboratory

STANDARDS

According/similar to DIN 53211

FEATURES

- A relatively deep rim, surrounding the top of the cup, serves to catch any overflow.
- The design of the cup and orifice makes cleaning easy.
- The outer dimensions have been chosen to support the TQC stands.
- The viscosity cups are made under continuing quality control procedures.
- Each cup is provided with an engraved unique serial number.

ORDERING INFORMATION**Cup :**

VF2020 Viscosity cup DIN 53211 for interchangeable nozzle

Nozzles :

VF2181 Interchangeable nozzle for viscosity cup orifice Ø 1 mm (similar to DIN 53211)
VF2022 Interchangeable nozzle for viscosity cup orifice Ø 2 mm (similar to DIN 53211)
VF2023 Interchangeable nozzle for viscosity cup orifice Ø 3 mm (similar to DIN 53211)
VF2024 Interchangeable nozzle for viscosity cup orifice Ø 4 mm DIN 53211
Optional : possible to certify by calibration with certified oils
VF2025 Interchangeable nozzle for viscosity cup orifice Ø 5 mm (similar to DIN 53211)
VF2026 Interchangeable nozzle for viscosity cup orifice Ø 6 mm (similar to DIN 53211)
VF2027 Interchangeable nozzle for viscosity cup orifice Ø 7 mm (similar to DIN 53211)
VF2028 Interchangeable nozzle for viscosity cup orifice Ø 8 mm (similar to DIN 53211)

ACCESSORIES

VF2062	Ring stand type S10
VF1980	S20 special stand design 2005
VF1982	Optional double jacket tank type DIN and ASTM for S20 special stand
VF2061	Tripod stand type S40B, stainless steel ring incl. spirit level
DI0076	Stopwatch type C510 digital LCD, 9h. 59 min. 59,99 sec.
VF2053	Viscosity conversion disc
VF2067	Double jacket tank TM1, for DIN and ASTM cups

SPECIFICATIONS

- Cup : titanium anodized aluminum, 100 cc
- Nozzle retainer : stainless steel
- Nozzle : interchangeable (not included)
- According to : DIN 53211 (with orifice 4 mm, other orifices similar to DIN 53211)
- Weight : 226 gr
- Max. width : 84 mm
- Height : 74 mm

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 $\pm 0,2^{\circ}\text{C}$. 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.
- Once the viscosity cup is truly horizontal (this is best achieved by using a cup stand and bubble level), cover the exit orifice and fill the cup making sure that the meniscus of the liquid is above the rim of the cup.
- Using the glass draw plate, remove the meniscus into the overflow ring and close the cup.
- The distance between the orifice of the flow cup and the surface of the receiving sample has to be more than 100 mm. Open the exit orifice and remove the glass draw plate. The time between the removal of the glass draw plate and the first break in the liquid flow is measured.

SPECIAL CARE

- Though robust in design, this instrument is precision-machined. Never drop it or knock it over.
- Always clean the instrument after use.
- Particular care is requested for cleaning the orifice to avoid leaving deposits or scratches on internal surfaces.
- Clean the instrument by using a soft, dry cloth. Never clean the instrument by any mechanical means such as a wire brush or abrasive paper. This may cause, just like the use of aggressive cleaning agents, permanent damage.
- Never touch or rub the orifice when removing it from the cup. Place the cup rod which is supplied with the cup against the orifice and rub the cup with a heavy object such as a paper weight. Prior to inserting an orifice into the cup, make sure that the exterior of the orifice and the receiving cone of the cup are clean.
- Always keep the instrument in its case when it's not in use.
- We recommend annual calibration.

DISCLAIMER

The right of technical modifications is reserved.

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