



**NOVOTEST**

## Viscosity Flow Cup NOVOTEST VZ



Viscosity Flow Cup NOVOTEST VZ is designed for rapid determination of the relative viscosity (flow time) paints and other related products (Newtonian liquids).

Viscosity cup could be manufactured according to: DIN 53211-87 (DIN 4), UNE ISO DIN 2431, ASTM D 120087 (FORD), ASTM D 4212-93 (ZHAN).

Viscosity cup is available in two models: on a tripod - Viscosity Flow Cup NOVOTEST VZ and a submersible type - Viscosity Flow Cup NOVOTEST VZ-P.

Viscosity cup is a reservoir shaped like a funnel with three interchangeable nozzles.

The operating principle of the viscometer is based on determining the time of the expiration of a certain volume of the test liquid through the nozzle. Viscosity Flow Cup NOVOTEST VZ is produced from stainless steel.

Viscosity cup - one of the fundamental parameters of consumables. When working with varnishes and liquid inks (flexo) is used to measure the viscosity of the funnel. The viscosity value is determined by the number of seconds (the time at which the liquid runs out of the crater-filled).

For conventional viscosity of paints, takes the time of continuous flowing (in seconds) a definite quantity of test material through the calibrated nozzle of viscometer. Kinematic viscosity is determined by formulas or by tables and graphs according to the measured flow time.

### Advantages of Viscosity Flow Cup NOVOTEST VZ

- Simplicity of design
- Usability of measure with tripod
- High measuring accuracy
- Variations of orifices sizes according to the standards

**Specifications of Viscosity Flow Cup NOVOTEST VZ**

The capacity of the reservoir, ml	100 ± 1
The range of flow time, s	12 - 300
The nozzle diameter, mm	2, 4, 6
The height of the nozzle, mm	4
The time range of the expiration of the liquid, s	<ul style="list-style-type: none"><li>• for a nozzle with a diameter of 2 mm: 70 - 300;</li><li>• for a nozzle with a diameter of 4 mm: 12 - 200;</li><li>• for a nozzle with a diameter of 6 mm: 20 - 200.</li></ul>
The limit values of the basic relative error of measurement of flow time of the calibration fluid (industrial oil with a nominal value of the kinetic viscosity	From 200 to 500 mm/sec, not more than ± 3 arithmetic average flow time
Dimensions (without tripod)	<ul style="list-style-type: none"><li>• diameter, mm: not more than 95</li><li>• height, mm: not more than 75</li></ul>
Weight, kg	0.2

**Available options of Viscosity Flow Cup NOVOTEST VZ**

- Viscosity cup is available in two models: on a tripod (Viscosity Flow Cup NOVOTEST VZ) and a submersible type (Viscosity Flow Cup NOVOTEST VZ -P)
- Viscosity Flow Cup NOVOTEST VZ is also available to order in aluminum

If user need the viscosity flow cup which is corresponds to other standards, please contact us before ordering to clarify the standard and sizes of orifices.

**Standard set of Viscosity Flow Cup NOVOTEST VZ**

- Viscosity cup
- Three shifts a nozzle diameter of 2, 4, 6 mm
- Tripod
- Operating manual
- Package