

MASTER YOUR FLOW

Anton Paar is a full-range supplier that covers the whole world of viscometry and rheometry. Recently the market leader in the field of rheometry introduced its first rotational viscometer for single-point viscosity measurements – ViscoQC™ 100. In this way the portfolio has been completed at a stroke. The instruments cover all kinds of measurements from single-point rotational measurements to flow curves and structural analysis in oscillation up to sophisticated material analysis with two drive units in one device.



Checking the viscosity of the incoming liquid raw materials for quality control in fruit juice production

Measuring the rest and flow behavior of shampoo to make sure that it comes out of the bottle but does not run uncontrollably

Designing the so-called “mouthfeel” of chocolate by measuring the viscosity or yield point in the manufacturing process

Investigating the micro-structural changes of delicate samples such as suspensions, foams, or dispersions under varying flow conditions under a microscope

Of course, these are only some examples as the number of applications is almost unlimited. Your sample is our challenge. Let us find the right solution for you!

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Viscometry &
Rheometry

MASTER YOUR FLOW



www.anton-paar.com/masteryourflow

The whole world of viscometry and rheometry



Rotational viscometer

ViscoQC™ 100

Ready to use out of the box, ViscoQC™ 100 is a digital viscometer for single-point viscosity checks that comes with unique innovations to facilitate your daily quality control routine.



Rotational rheometers

RheolabQC

RheolabQC combines unrivaled performance with easy operation in daily quality control to perform routine rotational rheological tests, such as flow curves or yield point determinations. Automatic spindle detection for traceable results with Toolmaster™.



MCR 72

MCR 72 is a rotational rheometer for quick and easy rheological measurements that is designed to investigate the deformation and flow behavior in terms of, for example, flow curves or determination of the yield point and the thixotropic effect of a sample in a daily lab routine.



MCR 92

MCR 92 is a rheometer equipped with a highly sensitive air-bearing motor that can be operated in rotational and oscillatory mode to investigate flow and deformation behavior as well as structure in a quick and easy way.



Rotational and oscillatory rheometers

MCR 102, MCR 302, MCR 502

The MCR modular compact rheometer series is used for all kinds of rheological investigations and can also be combined with other complementary methods, for example powder rheology, dielectric spectroscopy, magnetorheology, microscopy, and many more.



MCR 702 MultiDrive™

MCR 702 MultiDrive™ is the most versatile high-end rheometer for sophisticated rheological measurements and dynamic mechanical characterization in research and development.



Flow curve (rotation)

Single-point measurement (rotation)

Flow curve and structure determination (rotation and oscillation)

Flow curve and structure determination (rotation and oscillation) with two drives

entry-level viscometer

high-end rheometer

Features

- Automatic spindle and guard detection for traceable results
- Magnetic spindle coupling for simplified operation and reduced risk of damage
- At-site exchangeable sensor for minimum downtime
- Unique TruMode when spindle/speed combination is unknown for your sample

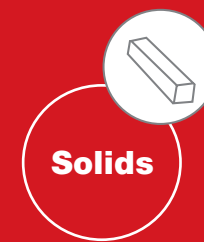
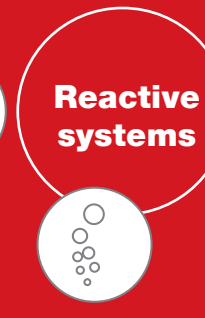
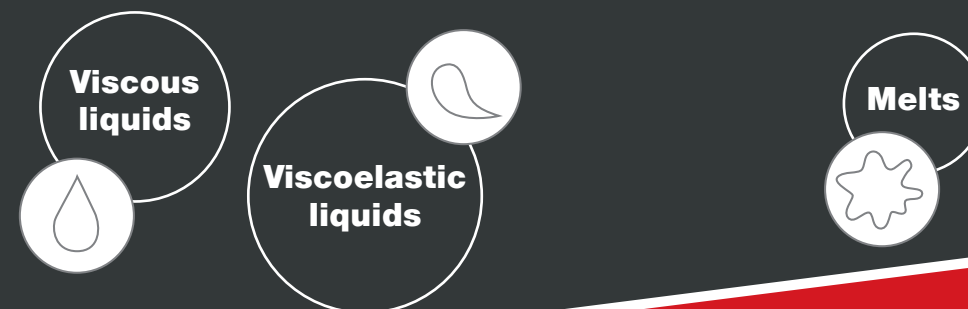
- Automatic spindle detection for traceable results with Toolmaster™
- Peltier temperature device for excellent temperature control
- Easy one-handed exchange of measuring systems with QuickConnect
- Available with Pharma Qualification Package for 21 CFR Part 11 compliance

- Motor-driven elevation mechanism and patented SafeGap technology (AT 517074) that ensure 100 % reproducible results
- Most accurate temperature control with air-cooled Peltier temperature units
- Integrated light (TruRay) for a clear view of the sample
- Easy one-handed exchange of measuring systems with QuickConnect

- Air-bearing-supported EC motor with integrated normal force sensor
- Automatic tool recognition and configuration system with Toolmaster™
- QuickConnect coupling that allows one-hand connection of measuring systems
- Widest range of modular accessories for all kinds of applications

- Air-bearing-supported EC motor for standard and sophisticated rheological measurements
- Two EC motors to cover all rheological working modes in one device
- Linear drive for Dynamic Mechanical Analysis
- Most versatile device for all kinds of applications

Viscosity



Elasticity