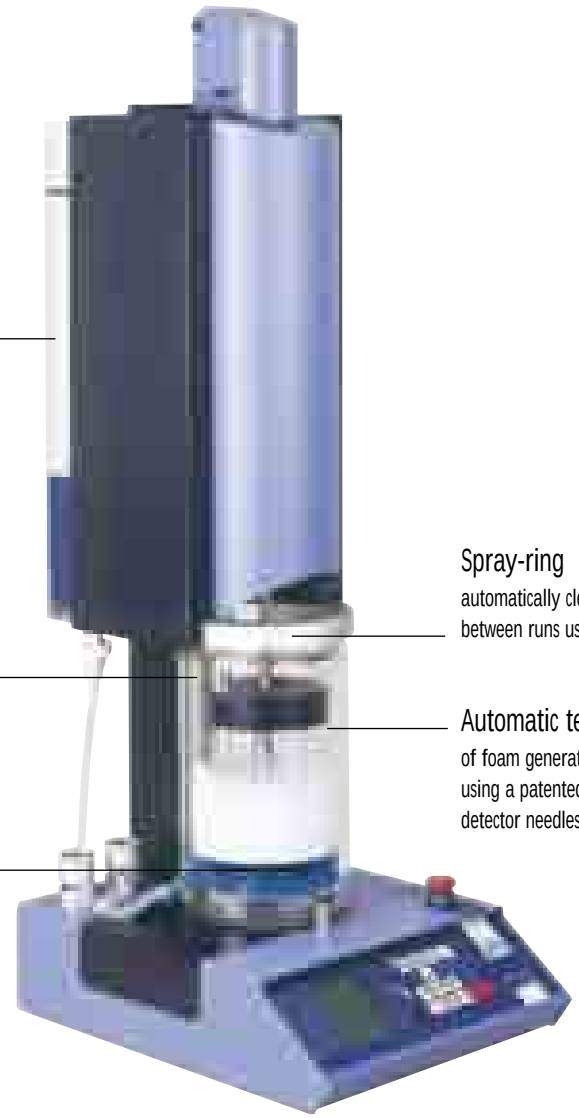
SITA foam tester R-2000

Inaccuracies and subjective influences that occur during manual foam testing have finally been eliminated. With the SITA foam tester R-2000, its patented rotor for foam generation and the newly developed foam volume measurement system, it is possible to automatically test and analyse the foaming properties and the foam decay of surface active aqueous solutions. For the first time an instrument is available for laboratory tests and quality control which can objectively and reproducibly test and compare foam kinetics.



Technical Data

Measured value	foam volume in ml, resolution 1 ml
Stirring time	10 – 600 sec selectable, resolution 1 sec
Rotational speed	variable from 50 – 2000 rpm, resolution 50 rpm
Temperature control	0 – 80° C with external thermal liquid circulator, resolution 1 K
Sample volume	250 – 1500 ml (250 ml recommended)
Sample liquid reserve capacity	2 Litres
Power supply	100 – 240 V / 50 – 60 Hz, 150 W, CE Certifcate of Conformity

precise

The microcontrolled measuring system guarantees the most precise readings of the foam volume

The patented 16 needle detectors determine the exact foam volume even when the foam surface is uneven

The patented rotor system allows for reproducible foam generation and clear differentiation of diverse surfactant receptors

efficient

Fully automatic tests mean less lab time and operator involvement

Quick results and conclusions due to the reproducible test results

Statistically evaluated results with the multiple automatic sample testing

flexibel

The instrument can be controlled via a PC (PC interface)

Easy handling and data analysis using the Windows software „SITA-foam“

Adjustable procedure for testing foam generation and foam decay

Variable settings of the test parameters such as the rotor rpm, stirring time and sample temperature

simple

Automatic cleaning with tap water

Automatic loading, temperature adjustment, testing and discharge of the sample

No training necessary

Simply and precisely test and monitor the foaming characteristics of liquids

Perfect for product development and quality control

SITA foam tester R-2000

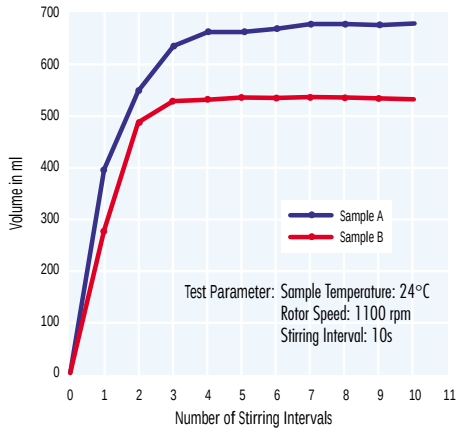
Simply and precisely tests and monitors the foaming characteristics of liquids

The SITA foam tester R-2000 is the first foam testing system that lets you automatically test the surface active aqueous liquids of body care products, soaps and detergents for their foaming properties. Real life applications are reproducibly mimicked by varying temperature, sample liquid volume and multiple parameters for the foam generation process.
The SITA R-2000's simple program set-up enables you to flexibly and user-independently determine properties that are important for foam generation, time dependency of foam creation and decay.

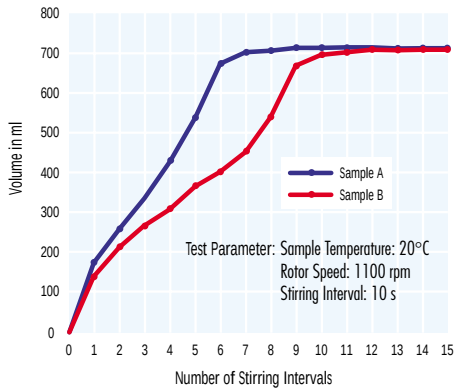
A wide field of application for characterising your product

Applications such as determining the foaming potential, recording the foaming behaviour, testing the foam stability and analysing the foam creation in relation to temperature provide product specific knowledge about the foaming behaviour. This makes it possible to optimise formulations and processes to fit the customer's needs.

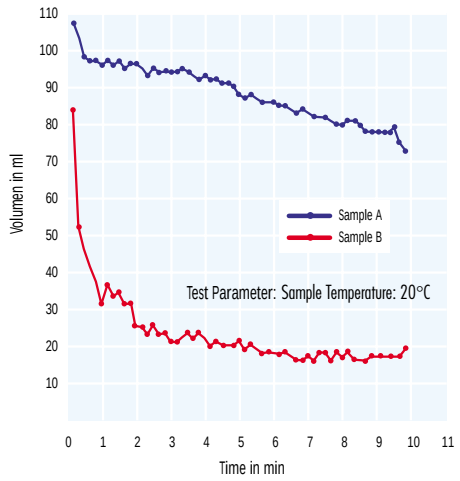
Comparison of foam power



Foaming behaviour during generation



Comparison of foam stability



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