

WRIST ACTION SHAKER



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Analytical Technologies Limited

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Introduction

A wrist action shaker is a type of laboratory equipment commonly used for gentle mixing or agitation of samples in various scientific and research applications. It is designed to create a circular or orbital motion using a rotary mechanism, simulating the action of a person's wrist movement.

The wrist action shaker consists of a platform or tray where the sample containers, such as flasks or bottles, are placed. The platform is attached to a central rotating shaft, which is driven by a motor. The rotation of the shaft causes the platform to move in a circular or elliptical motion, gently shaking the samples.

The circular motion produced by the wrist action shaker is particularly useful for applications that require gentle mixing without excessive turbulence or shear forces. It is commonly used in fields such as microbiology, cell culture, biochemistry, and pharmaceutical research.

One of the key advantages of wrist action shakers is their versatility. They can accommodate a range of sample sizes and types, from small vials to large flasks, by using adjustable holders or clamps. Some models may also offer adjustable speed settings, allowing users to control the intensity of the shaking motion based on their specific needs.

Wrist action shakers are often preferred for applications that involve delicate or sensitive samples, as the gentle orbital motion minimizes the risk of sample damage or foam formation. They are also suitable for mixing viscous liquids, performing extractions, or distributing suspensions evenly.

Safety features are commonly incorporated into wrist action shakers, such as secure clamping mechanisms and non-slip platforms to prevent accidental spills or mishaps. Some models may also include timers or programmable operation for automated shaking cycles.

In summary,a wrist action shaker is a laboratory instrument that uses circular or orbital motion to gently mix or agitate samples. Its versatility, gentle shaking action, and suitability for delicate samples make it a valuable tool in various scientific and research settings.

Features:

- 1. Rugged construction, with timer, rated for continuous use
- 2. Shaking speed action is variable, simulating a snap-wrist motion for a swirling effect, but the oscillations are constant at 380 to 390 per minute
- 3. Degree of agitation, gentle to violent, is controlled by an adjustable lever with dial graduated from 1 to 10
- 4. Power unit has constant-speed motor and built-in timer, range to 60 minutes in 1-minute interval



- 5. Circular/Orbital Motion
- 6. Adjustable Speed
- 7. Interchangeable Holders or Clamps
- 8. Timer and Programmable Operation
- 9. Variable Tilt Angle
- 10. Compact and Space-saving Design
- 11. Durable Construction
- 12. Quiet Operation

Introduction

Model No	WAS 3004	WAS 3008	WAS 3012
Side sleeves have interchangeable side arm shafts 10 mm diameter and clamps			

Side sleeves have interchangeable side arm shafts 19 mm diameter and clamps.

Erlenmeyer flasks from 125 to 1,000 mL capacity can be shaken at one time without need for balancing.

Full torque of the 1/8 HP (93 W) motor is always applied to the oscillating mechanism regardless of speed setting. Side arm shafts take 2-place clamps with slip-on fittings which provide capacity of 4 to 16 flasks, suitable bottles, test tubes, etc., with minimum diameter of 10 mm.

Platform for attachment to top takes 6 to 10 Erlenmeyer flasks up to 5,000 mL , also sputum bottles, etc.

Platform clamps of rubber slide in parallel grooves.

Power unit is enclosed in enameled sheet metal housing on rubber feet; overall dimensions, 343 x 389 x 298 mm high.

It has a heavy cast iron base with rugged construction and two side arms for holding flasks. Fitted with a F.H.P. heavy duty motor with variable speed.

Supplied with cord and plug to work on 220 / 230 volts A.C. supply.

Optional Accessory

Automatic 0-60 minute



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affordable cost.

Trainings :We also take up preventive Maintenace to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-

shooting.

Validations : Validations : We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

Instruments: We offer instruments/Renting Services Modules like pumps, detector etc. on Rent.





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URINOVA 2800 Urine Analyzer



Total Organic Carbon 3800



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NOVA-2100 Chemistry Analyzer



PCR/Gradient PCR/ RTPCR



TOC Analyzer



Laser Particle Size Analyzer



Ion Chromatograph



Water purification system



Regulatory compliances





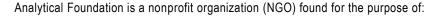








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