

WAS Series

WRIST ACTION SHAKER



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

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 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			

HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance 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 :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

Our Products & Technologies



UV/VIS
Spectro 2080+
Double Beam



Infra FTIR



Optima Gas
Chromatograph
3007



Optima Gas
Chromatograph
2979 Plus



Flash
Chromatograph



Atomic Absorption
Spectrophotometer



Liquid Particle
Counter



Optical Emission
Spectrophotometer



DSC/TGA



Semi Auto Bio
Chemistry Analyzer



HEMA 2062
Hematology
Analyzer



Micro Plate
Reader/Washer



URINOVA 2800
Urine Analyzer



Total Organic
Carbon 3800



Fully Automated
CLIA



NOVA-2100
Chemistry Analyzer



PCR/Gradient PCR/
RTPCR



TOC
Analyzer



Laser Particle
Size Analyzer



Ion Chromatograph



Water purification
system

Regulatory compliances



Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

Reach us @



Note : Company reserves rights to add/delete/modify the contents / technical specifications of the catalogue without prior notice.

HPLC Solutions MultipleLabs Analytical Bio-Med Analytical Distributors Analytical Foundation (Trust)

Corporate & Regd. Office:
Analytical House, # E67 & E68,
Ravi Park, Vasna Road, Baroda,
Gujarat 390 015. INDIA

T: +91 265 2253620
+91 265 2252839
+91 265 2252370
F: +91 265 2254395

E: info@hplctechnologies.com
info@multiplelabs.com
info@analyticalgroup.net
info@analyticalbiomed.com

W. www.analyticalgroup.net
www.hplctechnologies.com
www.multiplelabs.com
www.ais-india.com

Sales & Support Offices:
across the country :
Distributors & Channel
partners World Wide