



ROTA RWM180-400 WASHING MACHINE FOR AMPOULES AND VIALS



The Rota Washing Machine (RWM) for ampoules and vials incorporates leading edge technology and know how in a compact design that is simple to install, validate, operate and clean! Featuring servo drives to simultaneously improve the cleaning efficiency and reduce changeover time, the RWM washer fits into small areas without compromise.

ROTA's long standing experience in the pharmaceutical industry as a leading manufacturer of primary packaging solutions including washing, depyrogenisation, filling and sealing machines for vials and ampoules has lead to the continual optimisation of all of our products. This experience is key to the different washing, rinsing and drying methods of the new RWM Washer which ensures the perfect decontamination of processed containers.

A comprehensive list of optional features and accessories allows this machine to be customised to meet the individual requirements of each customer and application.

Highlights at a glance

- cGMP-Compliant compact construction.
- Continuous motion operation with servo drive.
- Gentle container handling.
- 8 independent wash/dry stations can be set for container washing, rinsing, and internal and external air blowing as required.
- Easy and quick changeover with dedicated change parts that require no further adjustments once installed.
- Models with outputs up to 400 containers per minute.
- Available as a stand-alone machine, or for direct connection with a sterilisation tunnel.

Available Options

- Various infeed and outfeed systems.
- Ultrasonic bath available for heavy duty cleaning.
- Silicone coating station.
- Cleaning fluid recirculation system to reduce consumption.
- Temperature and pressure sensors for washing fluid circuits.
- Recorder.
- Batch protocol printer.
- CFR 21 Part 11 compliant industrial PC.

Standard equipment

- Adjustable container infeed magazine with minimum container level sensor.
- Three independent cleaning fluid circuits, with eight internal / external container cleaning stations.
- Stainless steel construction with cleaning and rinse fluid contact parts manufactured of 316L stainless steel (1.4404) and silicone.
- Self-draining cleaning and rinse fluid circuits, with sanitary fittings.
- Colour touch screen HMI, with four level password security and cleaning cycle recipe management systems.
- Wash circuit timers for each cleaning circuit allow cleaning cycle to be optimized to suit each container size and shape.
- Servo driven diving nozzles with adjustable nozzle dive.
- Servo driven turret height adjustment to suit container height.
- Interlocking safety cabinet per CE regulations.
- Change part set, for one size container.
- Outfeed magazine for tray collection of clean containers, or direct feed of washed containers into depyrogenisation tunnel.
- Maximum container diameter: 52 mm
- Output up to 400 containers per minute (24.000/h).





ROTA RWM180-400 WASHING MACHINE FOR AMPOULES AND VIALS

Technical data

	RWM180	RWM240	RWM300	RWM400
Max. output (containers/min)	180	240	300	400
Max. container diameter (mm)	52	42,5	32	18
Power supply	400 V , 50 Hz, 3-Ph. +N (Alternates available on request)			
Dimensions (machine)	2370L x 1480W x 1330H mm			
Dimensions (recycling station)	850L x 800W x 830H mm			

Other Machines Available from Rota

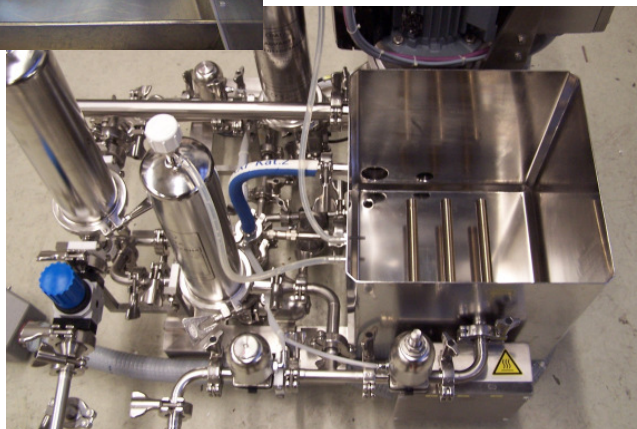
- Hot Air Sterilisation Tunnels.
- Ampoule and Vial filling and sealing machines.
- Inspection machines for ampoules and vials
- Labelling machines for ampoules and vials



Precise container transfer for unstable containers, including ampoules.



Internal and external container washing.



Recycling station, with wash fluid filter housing and self-draining liquid piping.

ROTA Verpackungstechnik GmbH & Co.KG
Öflinger Str. 118 - D-79664 Wehr
Tel.: +49 7762 708-0 - Fax: +49 7762 708-126
Email: info@rota.de - Web: www.rota.de