



## **Rotary Ampoule and Vial Filling & Sealing Machines**

# Rotary Ampoule and Vial Filling & Sealing Machines

## R911/MA-G & R921/MA-G

The combination machines for filling and sealing of ampoules respectively filling and stoppering of vials type R911/MA-G and R921/MA-G are suitable for filling any liquid, either under sterile conditions or not. Their small foot print and high flexibility, their ease of operation and very good cleanability makes them being the ideal machines for small scale production.

A comprehensive list of optional features and accessories allows these machines to be provided to meet the individual requirements of each customer and application.



### Standard equipment

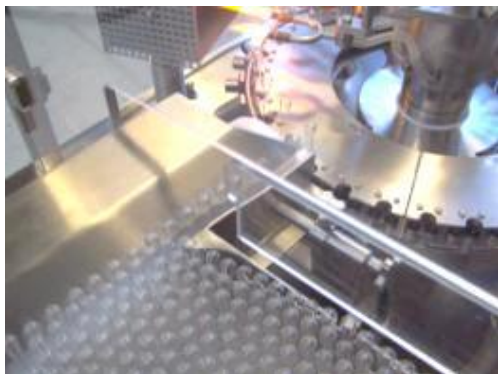
- Product range: Ampoules 1 – 30 ml  
• Vials up to Ø 52 mm
- Output up to: 6.000/h
- Adjustable infeed magazine with min. load cell
- One or two filling stations.  
Dosing by means of seal-less rotary piston pumps made of stainless steel 1.4404 (316L) or ceramic.
- One insertion station for stoppers
- Change parts set for one ampoule or vial size
- Change parts set for sorting one type of stopper
- SoftPLC control
- Operator interface with colour 12" touch screen
- Feature „No ampoule – no filling“
- „No vial – no filling – no stoppering“
- Interlocking safety cabinet with stainless steel frame
- Warning beacon
- Heat exhaust device including exhausting fan
- Mechanical draw-off
- Outfeed magazine with max. load cell
- Filling pumps for volumes up to 100 ml.

### Options

- Special dimensions for infeed and outfeed magazine
- Opening station for closed empty ampoules according to DIN/ISO 9187 (Form D)
- Inert gas supply before, during and after filling as well as during sealing
- Inert gas supply deficiency control
- Interlocked laminar flow hood
- Gas compressor
- Pump moistening device
- Diverse filters for gasses and medium
- Processing counters
- Outfeed conveyor belt for vials
- Micro-dosing pumps
- Batch protocol printer
- oRABS closure
- 21CFR Part 11 conformity (electronic records)
- Further options on request

# Rotary Ampoule and Vial Filling & Sealing Machines

## R911/MA-G & R921/MA-G



The inclined metal belt gently pushes the bunch of containers towards the infeed screw, which separates and transports them to the main star wheel. The transport star wheel hands gradually the containers over the machine through the opening station for ampoules (option), filling station (pre-gassing, gassing during filling and post-gassing are optionally available) and sealing station for ampoules or stoppering station for vials. Thus a careful object transport is ensured.



Objects are filled by mean of rotary piston pumps (accuracy better than  $\pm 0.5\%$ ).

The ampoules are centered in order to allow the gassing and filling needles to move into the ampoules without touching their neck, so that wetted neck and black spots resulting from carbonisation are avoided.

In order to increase the production flexibility, peristaltic pumps can optionnally be fitted to the machine.



After the flame sealing station, the filled and sealed ampoules are gently pushed out of the transport star wheel by an exiting finger into the outfeed magazine.

Vial stoppering is performed through a pick & place arm, allowing full insertion as well as half insertion for vials to be freeze dried.



The objects can then be discharged from the outfeed magazine by means of suitable trays.

On request, the machine can be equipped with an outfeed conveyor belt to automatically transport the vials to the next processing machine (e.g. capping/crimping machine).



# Rotary Ampoule and Vial Filling & Sealing Machines

## R911/MA-G & R921/MA-G

### Technical data

	R911/MA-G	R921/MA-G
Max. output (object/h)	3.000	6.000
Maximum diameter (mm)	52	32 (52 on request)
Number of filling station	1	2
Machine dimensions (mm)	1670L x 1220W x 1900H	2040L x 1210W x 1900H
Power consumption	550 W	650 W
Power supply	230V , 50 Hz (Alternates available on request)	

### Other ROTA machines

- Washing machines for ampoules and vials
- Hot air sterilisation tunnels for ampoules and vials
- Ampoule filling and sealing machines
- Vial filling and closing machines
- Filling and closing machines for nested objects
- Labelling and assembling machines for syringes
- Labelling machines for cylindrical objects like ampoules, vials, cartridges
- Integrated Fill/Finish lines, including freeze dryer and automatic loading/unloading systems

With the world's first filling and closing machine for ampoules, ROTA began developing machines for primary packaging in the pharmaceutical industry already 100 years ago. To date ROTA is a reliable and competent partner in the field of aseptic filling of liquids with precise individual solutions and a high quality machine portfolio.



## RECASA

*Su proveedor de confianza*

GT (502) 2461-2727  
SV (503) 2522-0638  
NI (505) 2274-4480  
CR (506) 4419-0810

[mercadeo@recasa.net](mailto:mercadeo@recasa.net)

[www.recasa.com.gt](http://www.recasa.com.gt)

**recasa**



SCAN ME

German technology for our health – made by ROTA