



Sterile liquid filling and capping **Oftalmica from Romaco Macofar**

Designed to reach up to 200 bottles per minute considering a maximum filling volume of 30 ml, Oftalmica has been specifically developed following the guidelines of the GMP Annex 1, ensuring complete process sterility.

The machine is dedicated to **ophthalmic production**, covering a broad range of different combinations of containers and closures, and is also suitable to manage glass vials for injectable applications.

Standard containment solution is active oRABS on all the process areas.

Highlights

- Can feature 100% check weighing system
- Integrated stations for dropper and screw cap application
- Capable to handle Aptar OSD (Ophthalmic Squeeze Dispenser) and Nemera Novelia® (multidose eye-dropper delivery system)
- Capping system with 100% torque control
- Vision system with cameras to check presence and position of dropper and screw cap available
- Loading of components under sterile conditions
- Assembly and disassembly of parts via gloves
- CIP/SIP for the whole filling system available
- Tool-less transport size parts changeover
- Available for integration under isolation technology

Technical Data	Oftalmica
Speed up to – single dose (vials/hour)*	12,000 up to 15 ml filling volume
Vial dimensions, diameter range (mm)	16–32
Vial dimensions, height range (mm)	42–80
Filling range, in ml*	1–30
Installed power, in kW	35
Compressed air consumption, in NL/min	550
PLC standard	Schneider
HMI	B&R

* Depending on product and machine configuration



Ophthalmic products



Injectable liquids



Oral and nasal sprays

