

EASYFILL

FILLING AND STOPPERING MACHINE



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EASYFILL IS A LIQUID FILLING AND STOPPERING MACHINE FOR VIALS, BOTH SMALL AND LARGE PARENTERAL VOLUMES, WITH AN IN-LINE POSITIVE MOTION TRANSPORT SYSTEM.

Designed to meet the requirements of the pharmaceutical industry in aseptic processing, it is the right answer when a high degree of flexibility and modularity is required.

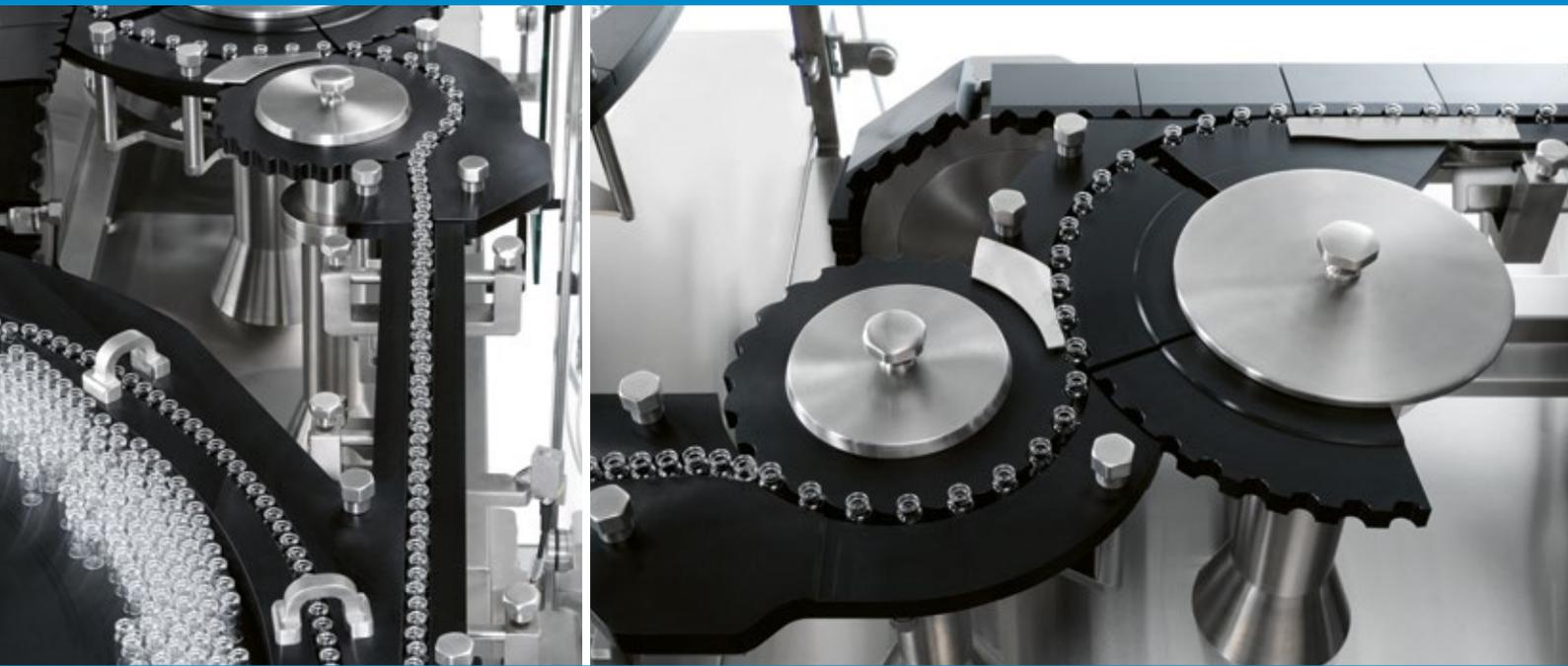




MAIN FEATURES

- NO VIAL - NO FILL - NO STOPPERING CONTROL DEVICE.
- INSERTION OF RUBBER STOPPERS FOR BOTH LIQUID SOLUTIONS AND FREEZE-DRIED PRODUCTS.
- SUITABLE FOR INTEGRATION WITH 100% IN-PROCESS CONTROL.
- CAN BE INSTALLED INSIDE A CONVENTIONAL STERILE ROOM, INTEGRATED WITH ANY TYPE OF RABS.
- EXCELLENT VISIBILITY OF THE WHOLE PROCESS AND GREAT ACCESSIBILITY TO THE WORKING AREA FOR IMMEDIATE MAINTENANCE.
- QUICK SIZE CHANGEOVER AND EASY CLEANING.

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VIAL INFEED

The container transport unit features an infeed starwheel and a sector starwheel to change the motion from continuous (infeed conveyor) to intermittent (linear transport).

Two sensors are available to check vial presence at infeed. A rotary table can be connected to the machine for vial loading.





FILLING UNIT

The vials are transferred by a positive intermittent motion linear transport system in a series of quick-release pucks with multiple housing.

Configured for each size, brushless motors control the transport system.

The filling nozzle-carrier head, with vertical movements, can work in "walking beam" continuous motion or "up and down" alternate motion, depending on machine configuration.



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STOPPERING UNIT

A vibratory bowl allows continuous rubber stopper feeding. The stoppers are then conveyed from the bowl to the main stoppering unit where they are held by vacuum.

The vials are transferred by the transport system onto the lifting platform which elevates the vials in order to allow stopper insertion; the stoppers are thereby automatically inserted into the vial mouth, either partially or fully.





VARIOUS TYPES OF CONTROLS ARE INSTALLED TO CHECK:

- STOPPER PRESENCE AND HEIGHT CONTROL ON VIALS.
- STOPPER MINIMUM LOAD IN VIBRATORY BOWL.

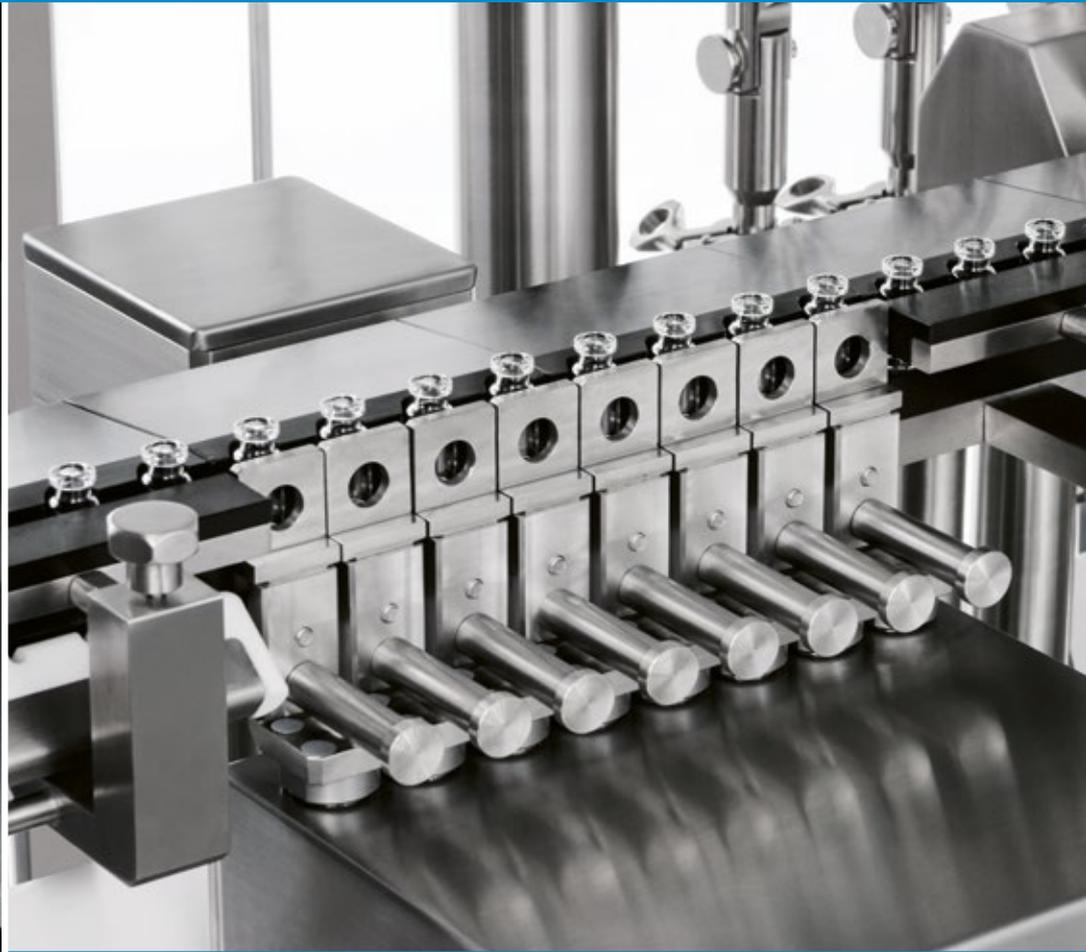


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VIAL OUTFEED

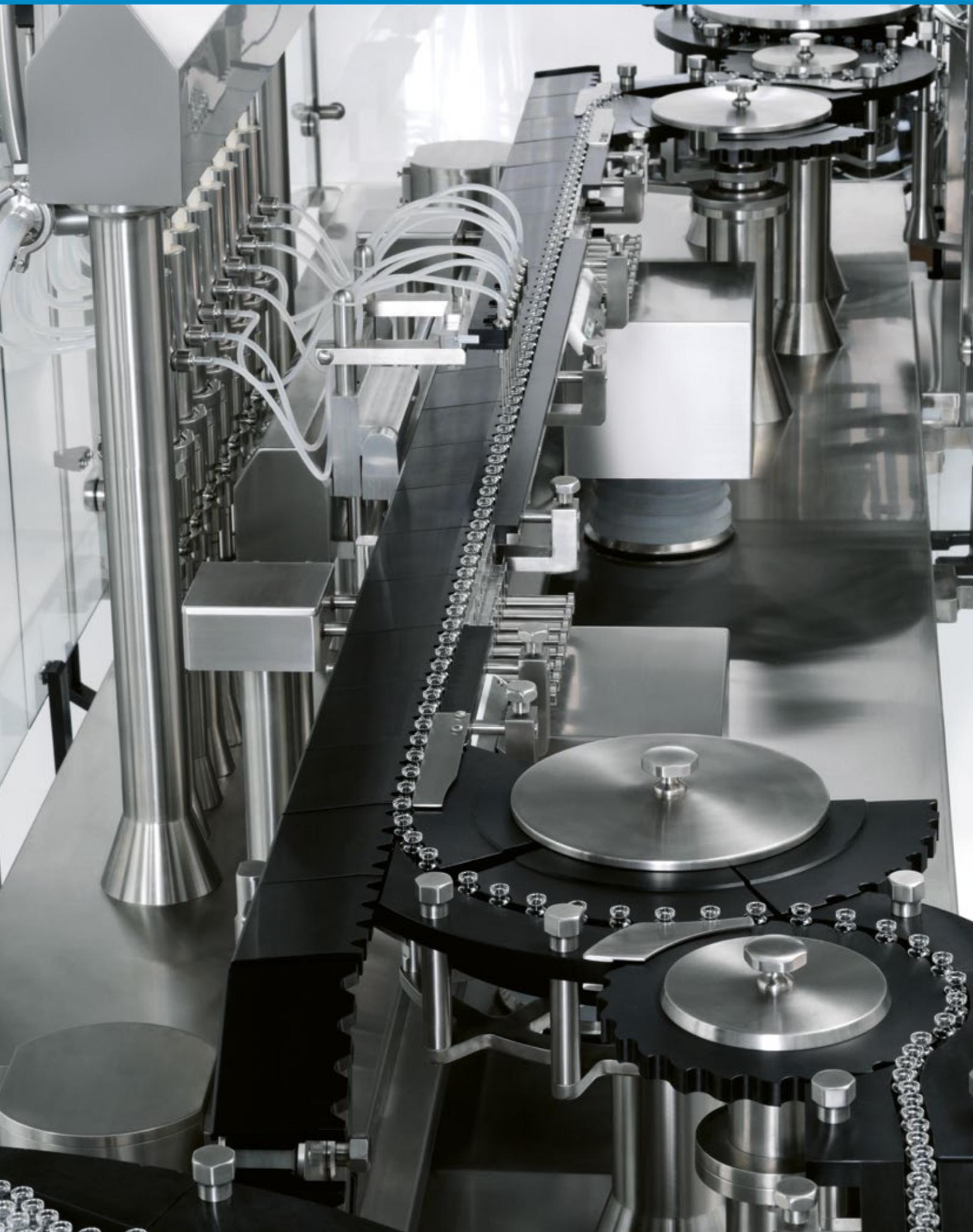
A vacuum assisted starwheel moves the vials after the stoppering station and diverts them either to the outfeed belt or to the rejection belt. The rejection belt is equipped with sensors to check maximum load and to verify the rejection.





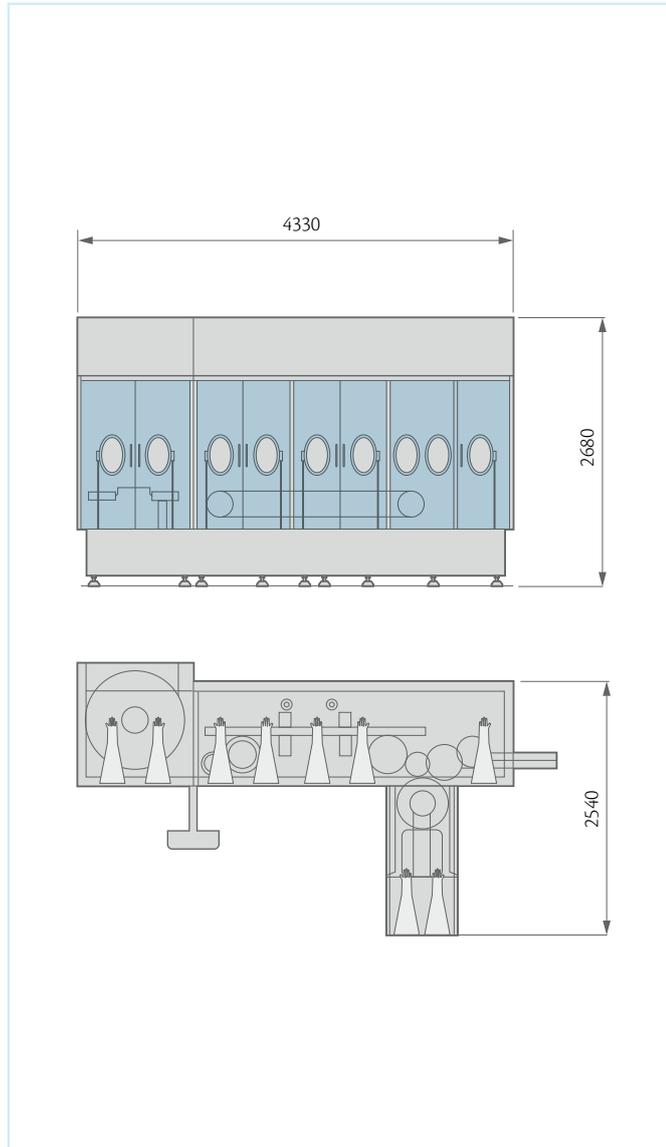
100% IN-PROCESS CONTROL

The checkweighing system is composed of load cells for tare detection before filling and load cells for gross weight detection after dosing. The values are used for the feedback loop for the filling system.

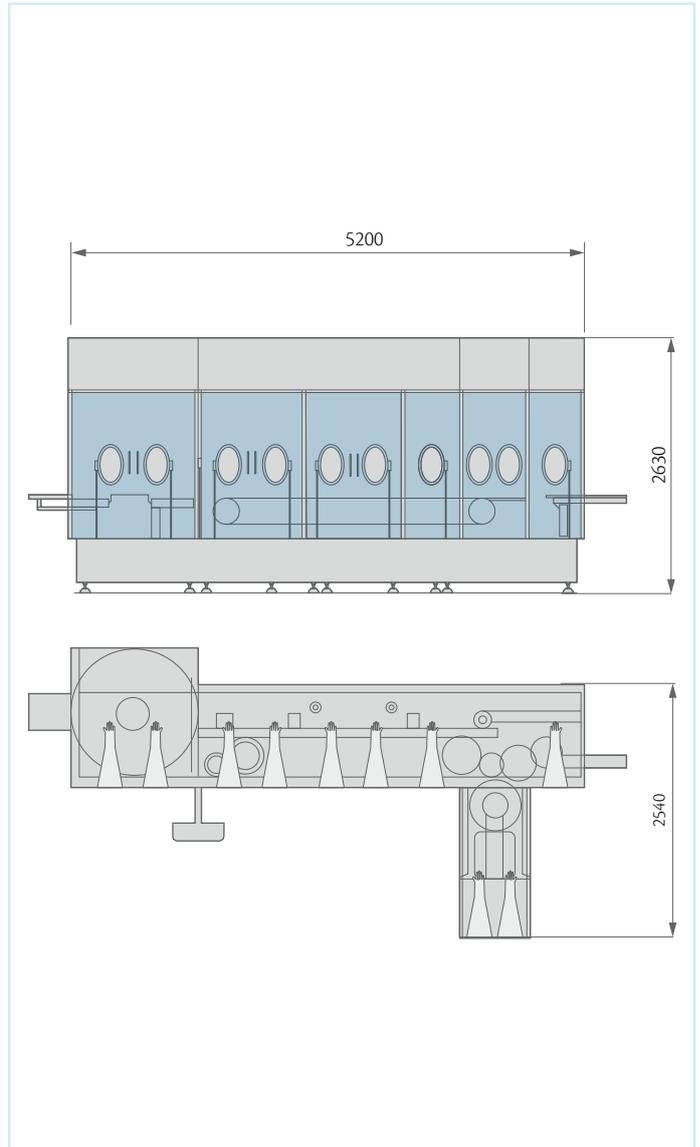


TECHNICAL DATA

EASYFILL 200



EASYFILL 400



	EASYFILL 200		EASYFILL 400	
Output (vials/minute)*	Up to 200		Up to 400	
Filling range (ml)	Up to 100 (for Small Parenteral Volumes)			
Vial diameter (mm)	14-54			
Vial height (mm)	35-110			
Standard voltage	400 V - 50 Hz			
Installed power (kW)	12		15	
Weight (kg)	1800			

*Depending on vial size and filling system

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