

SEMI-AUTOMATIC GASIFYING MACHINE TYPE: Z-2003



Z-2003 Semi-automatic Gasifying Machine is a device used for gasifying aerosol containers with propellant through aerosol valves crimped on the containers. The amount of the dosed product is adjusted in the range of 5 - 510 ml (for product cylinder $\varnothing 50$ mm) with tolerance up to ± 0.5 ml¹. The machine may be placed in the processing line for filling aerosol cans as a semi-automatic on-table model with manual control by an operator or as a self-acting unit in an Automatic Rotation Module.

Where necessary, the machine can be provided in GMP suitable design with all steel elements that are in direct contact with product made from AISI 316L and all gaskets made from pharmacy/food approved materials.





Operational parameters

Production capacity: 1800 pcs/h (30 pcs/min) for 100 ml dose;
900 pcs/h (15 pcs/min) for 200 ml dose;
420 pcs/h (7 pcs/min) for 500 ml dose;
The maximum capacity of the device is dependent on process organization and operator's experience

¹Dosing tolerance: ± 0.5 ml for 100 ml dose;
± 0.7 ml for 200 ml dose;
± 1.0 ml for 500 ml dose;

Containers diameter: $\varnothing 35 \text{ mm} \div \varnothing 66 \text{ mm}$
Containers height: 65 mm \div 320 mm

Overall dimensions and weight

Width: 410 mm
Length: 415 mm
Height: 900 mm (max 1200 mm)
Weight: 70 kg

Supply

Type of power supply: Compressed air
Required supply pressure: 0.8 \div 1.0 MPa (8 \div 10 bar)
Air consumption: 15 liters/cycle
Air supply connection: Pneumatic quick release coupling, RECTUS 26 series (DN 7.2) male plug installed in machine
Quality of compressed air: 4th class according to ISO 8573-1 for temperature range 15 \div 35°C
Propellant supply pressure: Above propellant's vapor pressure
Propellant supply connection: External thread G $\frac{1}{2}$ "
Propellant supply hose: Antistatic Teflon hose, diameter $\frac{1}{2}$ ", min. pressure resistance 150 bar

