

# DPLL-2 Solids dosing unit

## general features

The DPLL dosing unit has been designed for packaging all types of powdered, granulated, or ground products, whether in open rigid containers or even in pre-made bags. This packing system uses a vertical screw to regulate the amount of product to be dosed homogeneously. We offer two versions: a tabletop model for packaging from 20 gr to 1 kg and a larger model for containers from 500 gr to 6 kg of product.

Its operating principle is based on a dosing screw and a scale. The vertical screw, installed at the bottom of the hopper, has a diameter determined by the required dosage and the type of product being handled. For coarse and fine-tuning operations, this equipment allows adjusting the dosing speed to achieve the programmed weight. The scale, installed at the base or platform supporting the container, controls the product dosage by sending stop and close signals to the screw and to the closing flap of the nozzle.

Thanks to its fully polished stainless steel finish and its detachable hopper design, it is easy to clean and maintain.



It is equipped with a microprocessor that allows data entry with the following functions:

- » Weight reading for each weighing
- » Auto-tare of containers
- » Weighing totalizer
- » Total dosed weight



Packing machine for filling powder in pre-made bags from 300 to 5,000 grams. Adjustable height to accommodate different container sizes.



## ADVANTAGES

- » Possibility of interchanging the dosing screw, thanks to its easy disassembly.
- » The equipment can incorporate a paddle with an independent drive to prevent the formation of caverns inside the product hopper.
- » Pneumatically operated flap-type closure at the product outlet to prevent spillages.
- » Equipped with a level probe in the hopper to control other devices feeding the product to the dosing screw.
- » Easily integrable into a fully automatic complete packaging line, as well as into a vertical packaging machine for forming, sealing, and filling bags.
- » Easy cleaning: the hopper has quick-release fasteners for disassembly.



Powder filling line for powder in cans, with dynamic operation and volumetric dosing control, installed with feeding rotary table for containers and collection table at the end of the line.

## Technical data

Model	Dosage (gr)	Screw diameter (mm)	Screw power (kW)	Blade power (kW)	Implementation
DPLL-2	50 - 2,000	10 - 40	0.5	0.37	Tabletop
DPLL-1/5	500 - 10,000	10 - 80	1.1	0.5	Floor



DPLL-1/5 packing machine with table and conveyor belt for small containers