

WHERE YOUR FORMULAS MATTER



Semiautomatic Dosers

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Where your formulas matter

Dibir Group semiautomatic Dosers are suitable for filling liquid and dense products into bottles or jars of any material.

They are particularly suitable for cosmetic, parapharmaceutical and food products, even hot and with small and medium-sized solid suspensions.



COSMETICS
& MAKE-UP



FOOD &
NUTRACEUTICAL



PHARMACEUTICAL

Models

Available versions:

- [Table top stand dosers
- [Floor stand dosers
- [Wheeled floor stand doser
- [Heated dosers

Mod.	DV	DV	DV	DV	DV
Capacity [cc]	2 - 100	5 - 150	10 - 250	20 - 750	50 - 1500
Feeding system	Hopper 4/6 liters	Hopper 4/10 liters	Hopper 6/10 liters	Hopper 15/18 liters	Intake tube
Type	S/R*	S/R*	S/R*	S/R*	S/R*

*S/R: Standard / Hot Filling

Dibir Group Semiautomatic Dosers are designed and built to ensure precision dosing. They are characterized by affidability, versatility and ease of use.



Main Features

- [Dosing units available in basement configurations. BENCH or COLUMN made of **AISI 304 stainless steel** with mirror-polished visible parts 0.8 Ra
- [Plate adjustable in height and depth, with centering system packaging to be filled
- [**AISI 316 stainless steel** dispensing nozzle with different sizes and geometries depending on the chemical-physical characteristics of the product
- [Pedal actuated dosing cycle start and simple, intuitive controls
- [Air flow and pressure regulators with operation: 6 / 8 bar
- [Conical hoppers made of **AISI 316 stainless steel** with mirror-polished 0.8 Ra visible parts and capacity from 4 to 18 liters
- [Hoppers with total product discharge

Heated Dosers

For dispensing both room-temperature and temperature-controlled heated products.

Conical rotary valve

- [AISI 316 stainless steel pneumatic rotary conical valve
- [Peek conical plug, suitable for contact with dosed products with temperatures below 90°C
- [Study and optimization of internal volumes for the passage of dense products with small/medium sized solid suspensions
- [Valve heated by induction from a low-voltage electrical resistance



Dosing and Heating



- [AISI 316 stainless steel volumetric dosing unit
- [Dosing adjustment by handwheel with numerical position counter
- [Gaskets suitable for contact with the treated product
- [Tri-clamp connections of the dosing units that facilitate disassembly, maintenance and cleaning of all parts in contact with the product
- [“Dosing syringe” of the dosing body that is fully electrically heated by means of a temperature-controlled double casing and thermostated through a digital temperature controller
- [Working set points at variable values, which can be set by the operator from PLC touch screen panel
- [The system simultaneously heats the syringe and the two-way dispensing head

Washing system

The pneumatic system includes a selector switch that activates the valve withdrawal logic, automatically initiating the first flushing of the machine, without the need to press the pedal.

The selector enables an automatic sequence of cycle repetitions, a function that is particularly useful for performing machine flushing.

While the start of the dosing cycle is given by foot pedal, the washing cycle in the PLC version, is included in the operating logic by preset recipe.



Optionals

- [Secondary valve with full passage nozzle kit
- [Secondary valve with anti-drip kit
- [Spacer for dispenser
- [Special gaskets
- [Wheeled system
- [Motorized hopper agitator

Turnkey solutions

DIBIR Group is able to follow the customer throughout the process of building the plant, starting from the analysis of needs, to design, up to the installation of the machine, offering turnkey solutions that perfectly meet the needs of your company.

- [Construction of complete production lines, from the installation of raw material storage tanks to the finished product storage tanks - as well as the connection to the "primary packaging" machines /lines
- [Design and construction of piping for the transport of process of raw materials
- [Revamping and retrofitting operations with replacement of worn components, reassembly and testing
- [IQ and OQ protocol management and registration, and plant validation process

After sales service



Attention to the customer never stops:

DIBIR Group guarantees a technical high-level service and after-sales service ad hoc for each Customer.

Testing and installations are certified by a highly specialized technical staff, in able to guarantee assistance in every area.



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