



LABORATORY SPRAY DRYER GT 125 V

DESCRIPTION

Laboratory instrument for small productions of atomised powder / ceramic granulate. The slip by means of a pump is sent to a spray lance equipped with a nozzle and mixed with compressed air, obtaining a suspended mist inside the chamber. Inside the drying chamber, the nebulized mixture meets a flow of counter-current hot air produced by a gas burner. In this way a rapid drying of the fog is obtained, producing granules which are deposited by falling into the lower cone. The size of the granules obtained from the process can be varied within certain limits by changing the diameter of the spray nozzle, the temperature of the hot air, the pressure of the compressed air and the flow rate of the hot air.

The atomizer is supplied in two models:

- The SD-60 model with peristaltic pump, inverter and two-stage burners.
- The SD-60 PRO model with diaphragm pump, inverter and modulating burner.

The atomized product comes out automatically from the collection cone and the fine part of the dried material is sucked up and knocked down.

The cyclone discharge must be connected to a dust suppression system.

TECHNICAL SPECIFICATIONS

- Atomised production capacity with a density of 1.6-1.7 Kg / Lt
- Inlet temperature: up to 310 ° C
- Outlet temperature: from 95 ° C to 130 ° C
- Natural gas or LPG burner
- Exhaust gas suction fan
- Product humidity from 0 to 10%
- Electronic control with PLC and Touch Screen
- Drying chamber in AISI-304 stainless steel insulated with mineral fiber of Sp100 mm density 80Kg / Mc
- 2-stage burner (modulating PRO version)
- Gravity discharge from the cone with rocker valve
- Cyclone Ø 300mm for fine dust abatement
- Nr. 2 vision portholes and access hatch
- Ladder on wheels for inspection
- Exhaust chimney with stainless steel pipe L = 6 mt
- Compressed air system consisting of a pressure regulator group and 3 meters of piping
- Led spotlight with support
- Feeding line for the slip positioned on the lance

ELECTRICAL CABINET

- Process thermoregulator
- Fan inverter
- Pump inverter
- Touch screen with PLC

EQUIPMENT

- Interchangeable compressed air nozzle
- Internal chamber inspection and cleaning ladder

CODE	GT2511
MODEL	SPRAY DRYER SD-60
PUMP	PERISTALTIC PUMP
NOZZLE	DOUBLE-FLOW
EXTERNAL DIMENSIONS	3025x2045x4000 mm
THERMAL POWER INSTALLED	75,000 Kcl / H
POWER	7.5 Kw
SLIP	DENSITY 1.65 Kg / lt
PRODUCTION CAPACITY60 l / h
WEIGHT	1.100 Kg.

CODE	GT2512
MODEL	SPRAYER SD-60 PRO
PUMP	PERISTALTIC PUMP
NOZZLE	NOZZLE UNDER PRESSURE
EXTERNAL DIMENSIONS	3025x2045x4000 mm
THERMAL POWER INSTALLED	75,000 Kcl / H
POWER	7.5 Kw
SLIP	DENSITY 1.65 Kg / lt
PRODUCTION CAPACITY60 l / h
WEIGHT	1.100 Kg.