



Fluidbed Dryers and Dryers/Ovens COMASA CAP 12 LT

Images

Product details

Category:	Sold
Machine:	CAP 12 LT
Machine code:	22F220
Manufacturer:	COMASA
Year of construction:	2015

Description



PROCESS CONCEPT

The ESS/CCA dryer uses control systems, influenced by specific drying programs, which eliminates problems related to the interaction of solid particles with a gas that are typified by:

- The formation of air channels within the granulated mass
- The lack of uniformity in the drying process
- Localized overheating of the granulation in some parts of the bed attrition of the granulation as it dries

DRYING PROGRAM

ESSICCA is equipped with software that allows different drying programs to be selected depending on the nature of the material being dried.

Examples Of possible drying programs include:

- Constant air flow and product temperature
- Using progressive air flow that changes with time
- Using immediate fluidization
- Using controlled fluidization determined by temperature gradient

ESSICCA can measure 7 (seven) parameters at the same time during the process:

- In/ct air temperatura: T_i
- Temperature of the air in contact with granulated material: T_p
- Exhaust air temperature: T_e
- Pressure within the expansion chamber: P_{ce}
- Pressure in the plenum.. P_p
- Pressure at the exhaust.. P_e
- Air flow: Q

Measurements are constantly processed by means of a PLC which provides information based on the selected drying program.