

HOT AIR BURNERS



DETAILS

- 01) Direct fire burner
- 02) Air vein burner
- 03) Indirect fire burner
- 04) Finned battery

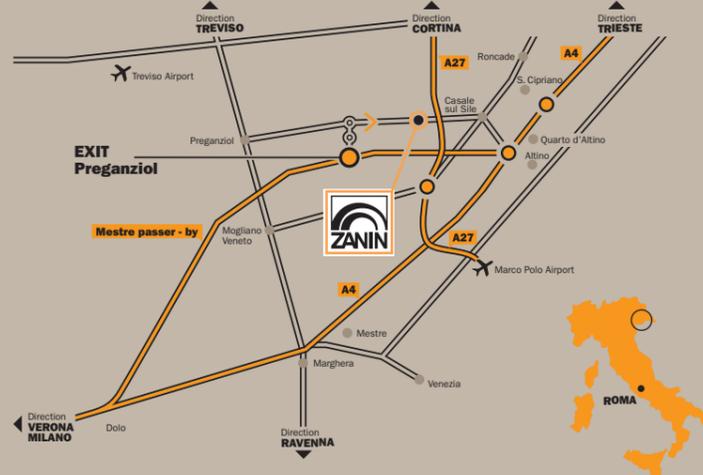
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DRYER C SERIES

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WARNING: INFORMATION IS NOT BINDING, PLEASE REFER TO THE TECHNICAL DOCUMENTATION RELEASED DIRECTLY BY ZANIN F.LLI

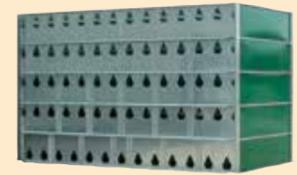
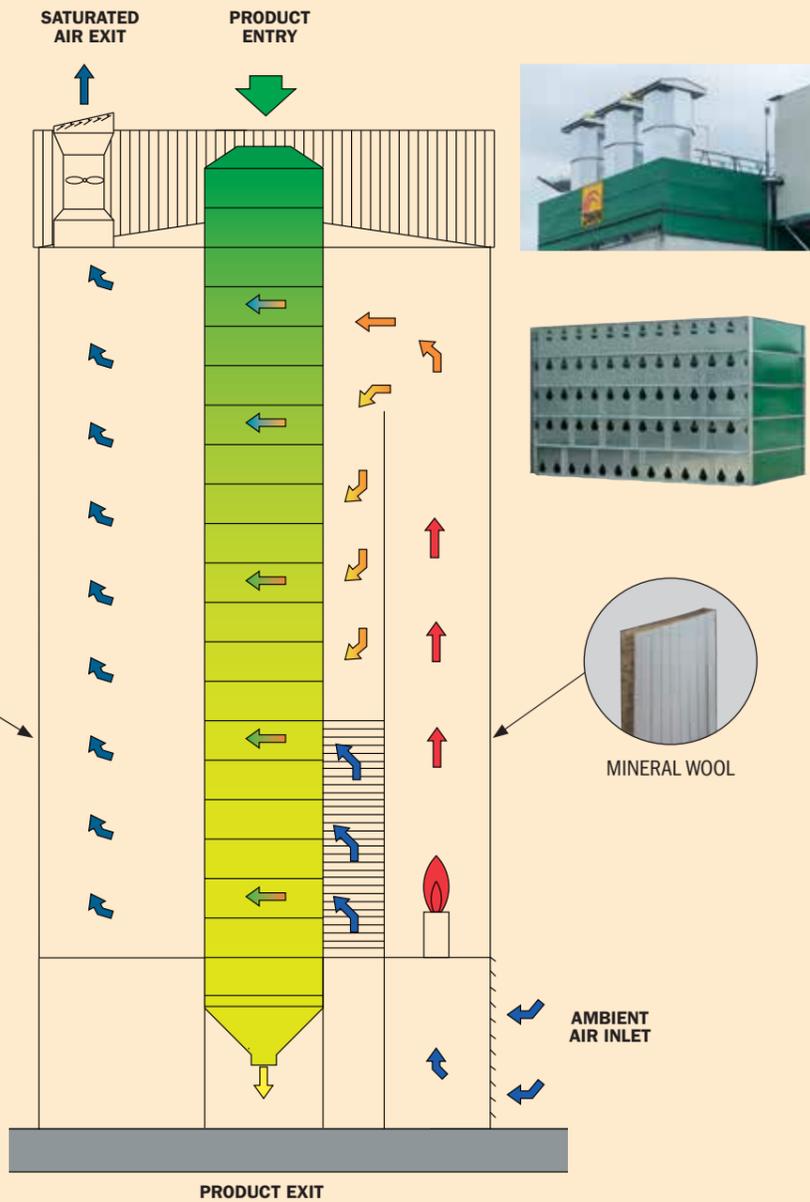
RESELLER



DRYER C SERIES

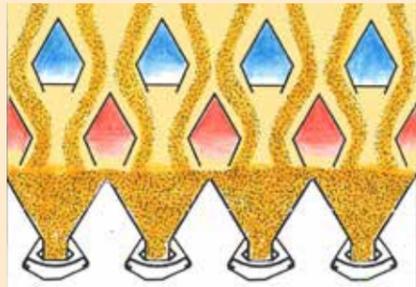
OPERATION

THE DRYING COLUMN is formed by a loading hopper and a number of modules with internal conical ducts immersed in the cereal, which descends by gravitational force, with crossing current movement. The cereal is hit by a counter current of hot air. The air flow is dispersed into the atmosphere. The quantity of cereal exiting is pre-determined and regulated by a pneumatic extractor. Then the product is collected by an unloading hopper.

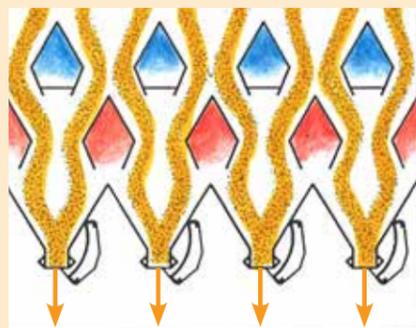


PNEUMATIC EXTRACTION

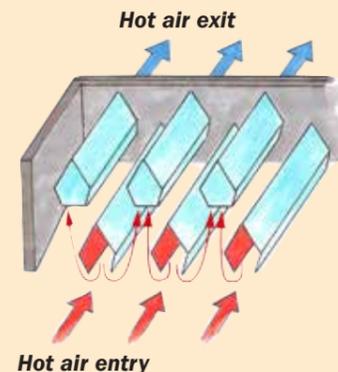
Pause stage



Extraction stage (Unloading)



DRYING SCHEME



VENTILATION



COMPONENTS

AIR DUCT

The panels that form the air chambers are built of sandwich panels in mineral wool for the hot part and the saturated air. This avoids condensation and much inside the chamber. The walls are smooth both inside and outside the structure. The versions are: Alzunic - Galvanized - Pre-painted in different colors - Aluminium - stainless steel 304. The inside of the dryer is built to accept rear standards and galleries with a rung ladder for maintenance checks.

FANS

For optimal drying, with maximum attention to details, the depression system is the most suitable because of dust containment. Every dryer is equipped with a fan or fans, variable blade axial type, having various diameters to fully exploit the machine yield with less consumption. Zanin F.lli makes use of technologically advanced marks in the European fan sector to optimise the characteristics of their products.

HOT AIR GENERATORS

There are heating groups for drying:

- direct fire
- indirect fire
- diathermic oil or steam batteries

Fuels used are:

- methane gas
- GPL
- Gas oil
- Dense oil or by-products
- Bio mass

Types of burners are:

- pressurised
- air vein
- special burners for various types of fuels

ELECTRICAL PANEL

The dryer has electronic equipment with process management. Electronic system for moisture management of product with air meter.

MODEL	CONTENT PS 0,75		MAIZE from 35% to 14%	MAIZE from 28% to 14%	WIDTH mt.	LENGHT mt.	HEIGHT mt.
	(m ³)	(Ton)	(CAPACITY t/24h)	(CAPACITY t/24h)			
E2 6 C	16	12	41	57	2,65	6,35	6,5
E2 12 C	28	21	91	125	2,65	6,35	10
E2 18 C	40	30	141	192	2,65	6,35	13
E2 24 C	55	40	190	254	2,65	6,35	16
E4 18 C	67	50	223	304	4,25	7,35	13
E4 24 C	86	64	312	446	4,25	7,35	16
E4 30 C	105	79	391	508	4,25	7,35	19

The above figures were calculated under the following conditions:
 - ripe and clean seeds dried within 24 h
 - dryer powered by natural gas.
 It is recommended in any case to always consult the technical data sheets.



DETAILS

- 01) Drying Plant C Series
- 02) Electrical Control Panel
- 03) Thermometric Automatic System (Air Contact)

N.B.
 The company declines all responsibility for any inaccuracies in this brochure, reserving the right to make any modifications to their product as they feel appropriate.