

DRYER

for products with

WOODY SHELL



innovations for agriculture

Zaffrani offers a simple, efficient and fair-price solution to dry all the woody shell products. Its structure modularity together with a simple assembly allow the machine to be adapted to any territorial context and reduce shipping costs.



MAIN FEATURES OF THE DRYER FOR WOODY SHELL PRODUCTS:

Top quality parts are used to easily find the spare parts.

Safety and functionality principles guarantee the operator's safety.

Versatility, modularity and possibility of working in series satisfy the most varied requests.

CONSTANT TEMPERATURE

The efficient hot and cold air mixing system inject a single circular homogeneous air flow at constant temperature, thus allowing uniform heating and regular drying of the product in order to keep the organoleptic properties and qualities unaltered.

CONTINUOUS CYCLE

Product mixing is continuous and uniform too: the central auger guarantees this process by conveying the product from bottom to top through constant movement.



Zaffrani dryers for products with woody shell are fully compliant with all European food safety legislation and thanks to the heat exchanger with indirect fire the dryers are suitable for food industry: cold airflow is compressed by the fan in the heat exchanger investing the entire heated surface by the burner, therefore without coming into contact with waste fumes and combustion residues.

DRYER
for products with
WOODY SHELL



Hazelnuts



Almonds



Walnuts



Pistachios

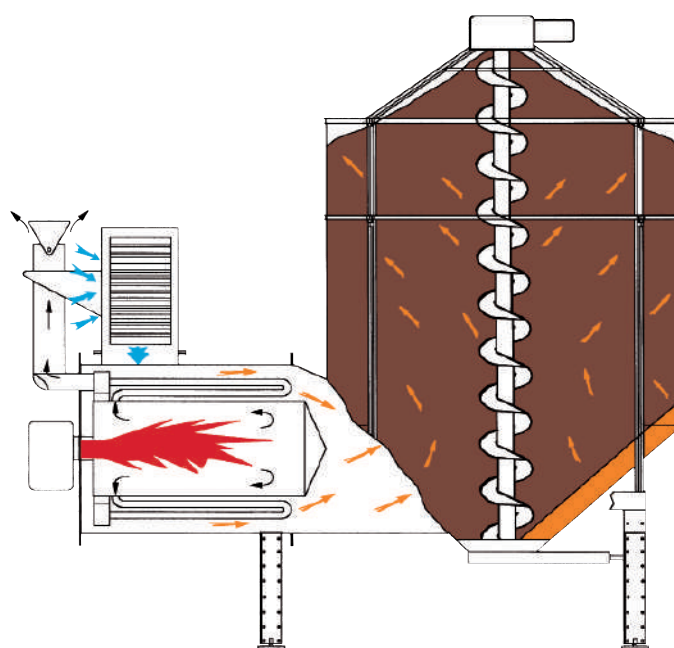


Macadamia nuts



Chestnuts

OPERATING DIAGRAM



Combustion chamber



Cold airflow



Product

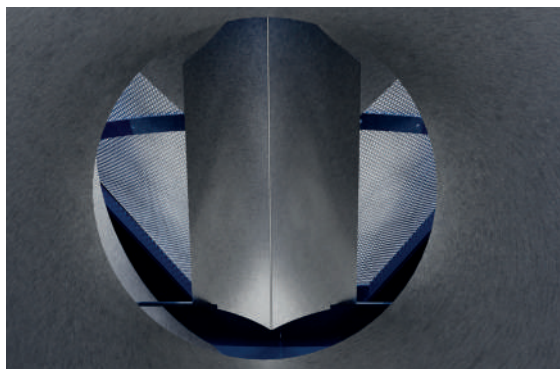


Hot airflow

DRYER
for products with
WOODY SHELL

technical

FEATURES



CENTRAL AIRFLOW

The airflow centrally enters the conical base of the dryer and it is evenly distributed thanks to the deflector.

ELECTRIC CONTROL PANEL PROTECTION

The user-friendly electric control panel simplifies the tasks of the operator. To preserve its durability, it is equipped with a waterproof and dustproof door.



ADJUSTABLE FEET



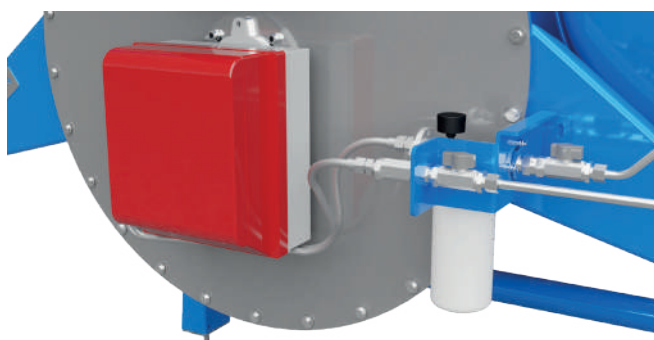
The feet are height adjustable to facilitate the unloading of the product from the dryer.

mod. 60-300

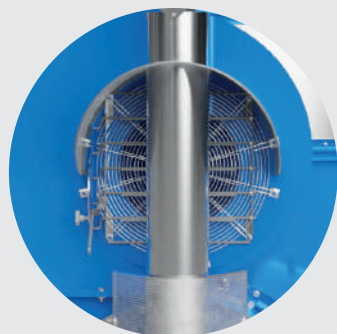


WATER SEPARATOR DIESEL FILTER

Available for the "diesel version" only, to guarantee clean fuel entering the burner.



mod. 60-300



mod. 60-150

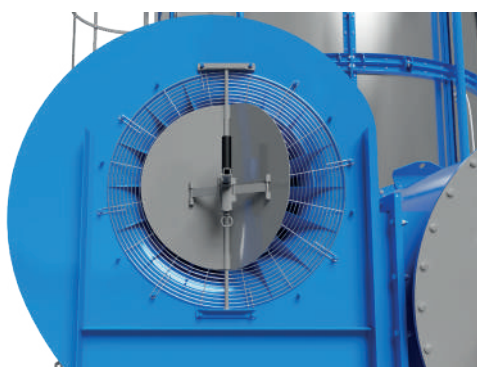


CHIMNEY-FAN POSITION

The chimney in front of the fan allows heat recovery by pre-warming the inlet airflow.

STAINLESS STEEL AND FOOD VARNISH

Stainless steel walls and steel components protected with food varnish guarantee a long-life dryer.



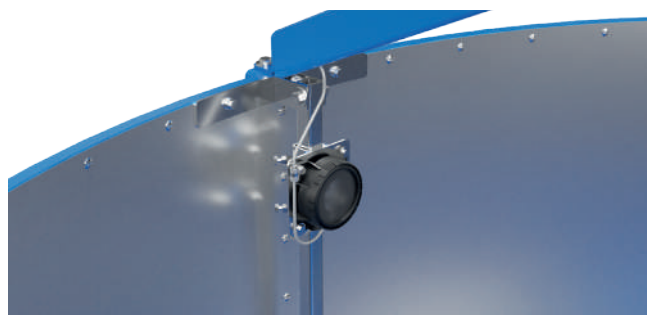
AIRFLOW ADJUSTMENT

A valve allows you to manually adjust the airflow entering the fan.

LOAD CAPACITY

The Zaffrani dryer guarantees the homogeneous drying even of a reduced load compared to the maximum load capacity.

Medium and large dryers are equipped with a loading level indicator which emits an acoustic signal when the capacity limit is reached.



DRYER
for products with
WOODY SHELL

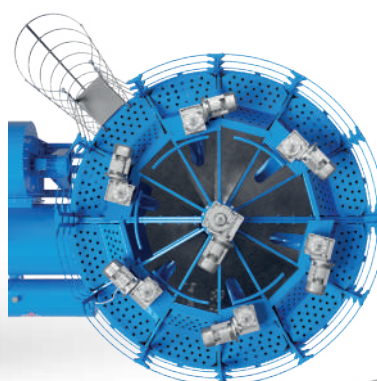
Dryer for woody shell products			50 (220V)	50 (380V)	60 (380V)	80 (380)	110 (380V)	125 (380V)	150 (380V)	300 (380V)
Capacity	m ³		5,00	5,00	6,00	8,00	11,00	12,50	15,00	29,00
Hazelnuts: 0,50 t/m ³	t		2,50	2,50	3,00	4,00	5,50	6,50	7,50	14,50
Almonds: 0,50 t/m ³	t		2,50	2,50	3,00	4,00	5,50	6,50	7,50	14,50
Chestnuts: 0,80 t/m ³	t		4,00	4,00	4,80	6,40	8,80	10,00	12,00	-
Walnuts: 0,60 t/m ³	t		3,00	3,00	3,60	4,80	6,60	-	-	-
Pistachios: 0,55 t/m ³	t		-	-	3,30	4,40	6,05	6,90	8,30	-
Pine nuts: 0,50 t/m ³	t		-	-	3,00	4,00	5,50	6,50	7,50	-
Dimension	Height	m	3,50 - 3,70	3,50 - 3,70	3,50 - 4,00	4,00 - 4,50	4,50 - 5,00	5,00 - 5,50	5,50 - 6,00	6,50 - 7,00
	Length	m	3,70	3,70	4,00	4,00	4,00	4,00	4,00	5,30
	Width	m	2,00	2,00	2,50	2,50	2,50	2,50	2,50	2,98
Fan	kw		0,75	0,75	4,00	4,00	4,00	4,00	4,00	11,00
Bumer	kw		0,18	0,18	0,39	0,39	0,39	0,39	0,39	0,40
Central auger	kw		1,5	2,2	2,2	2,2	2,2	3	3	3,00
Lateral augers	kw		-	-	-	-	-	-	-	13,20
Total power absorption	kw		2,5	3,2	6,6	6,6	6,6	7,4	7,4	27,6
Diesel burner consumption	kg/h		4	4	9	10	11	12	12	18
Fan capacity	m ³		6.000	6.000	20.000	20.000	20.000	20.000	20.000	27.000
Expelled moisture	%/h		1	1	1	1	1	1	1	1
Fuel tank capacity (approx)	lit		100	100	260	260	260	260	260	560
Weight	kg		1.000	1.000	1.350	1.400	1.450	1.500	1.550	3.320

The data above are indicative

EN50



EN150



EN300



D R Y E R
for products with
WOODY SHELL
zaffrani.it

D R Y E R
for products with
WOODY SHELL
zaffrani.it

D R Y E R
for products with
WOODY SHELL
zaffrani.it

D R Y E R
for products with
WOODY SHELL
zaffrani.it

D R Y E R
for products with
WOODY SHELL
zaffrani.it

F.Ili Zaffrani s.r.l.
Via dell'Industria, 159
62014 Corridonia (MC) Italia
T +39 0733 281385
info@zaffrani.it

www.zaffrani.it



pick-up header

dryers

corn header

sunflower header