



Since 1956



VENTILATION SYSTEMS

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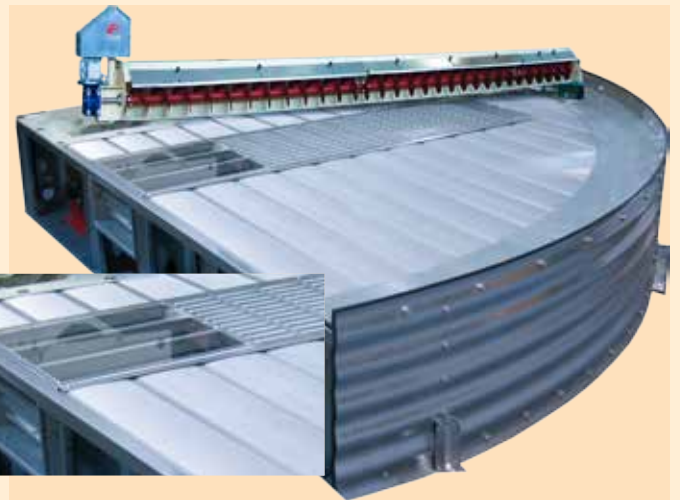
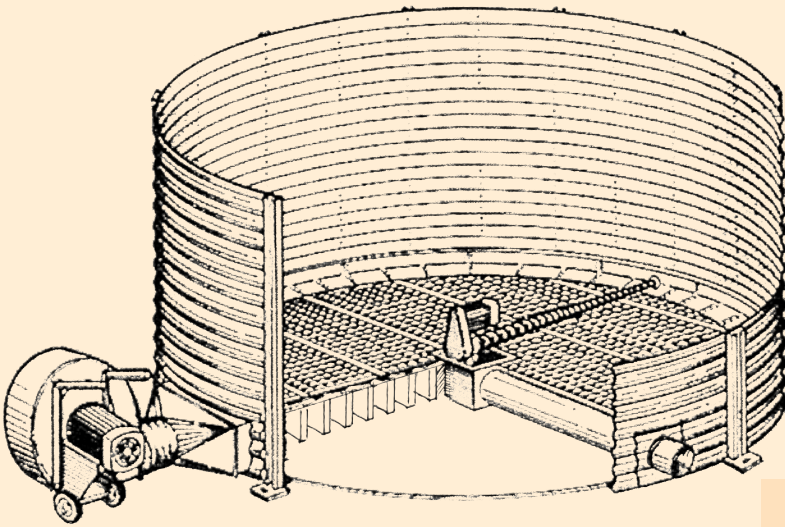
Agro-Industry

VENTILATION SYSTEMS FOR GRAIN

The ventilation systems allow preserving in optimum manner silage or stored grain by maintaining moderately low and uniform the temperature and humidity of the mass; they allow storage without deterioration for a limited time, because of different phenomena such as breathing, fermentation and the development of parasites.

RAISED TOTAL VENTILATION

The ventilation system is given by a perforated raised floor supported by a galvanised steel structure. The air flow generated by a fan or chiller enters below the floor and rises upwards while cooling the product.



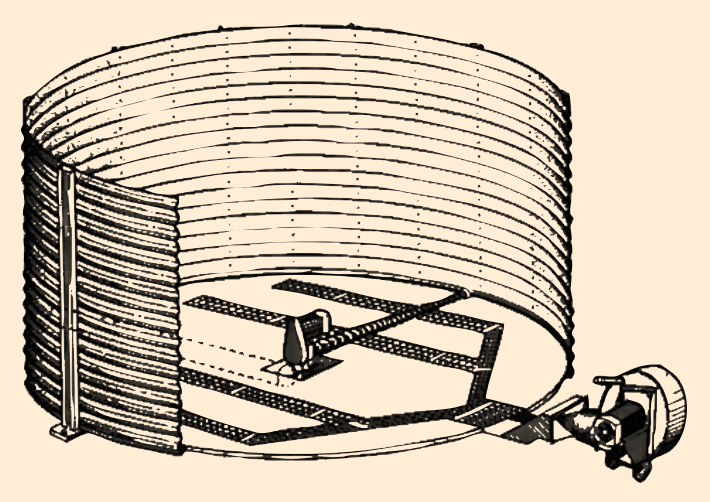
DUCT VENTILATION

The duct ventilation system is widely used in the silos of the new manufacture. The air flow generated by a fan or chiller enters the ducts and rises upwards while cooling the product. It cleans easily the ducts from storage residues.

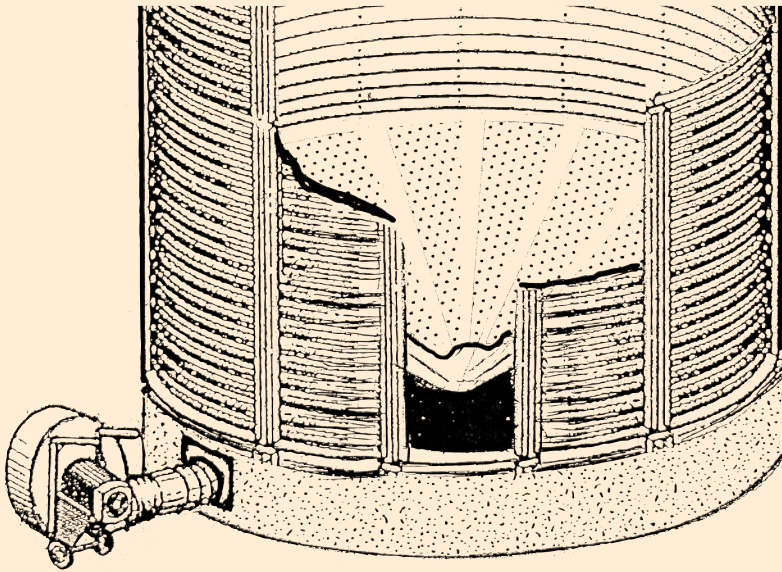
PERFORATED PANEL



**CAISSON
(optional)**



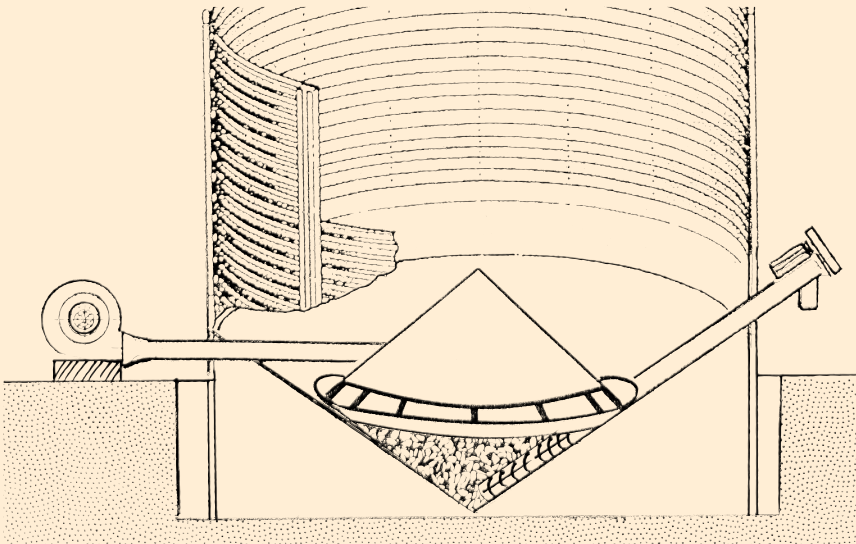
PERFORATED CONE VENTILATION



The perforated cone ventilation is used in silos with hopper. It is an economical system used for cooling the stored product.



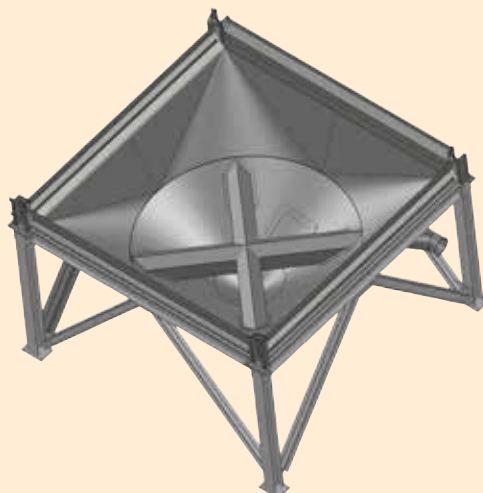
COUNTER-CONE VENTILATION



The counter-cone ventilation is the system used for silos of medium and small capacities.

The air is injected inside the counter-cone, comes out in its circumference and rises upwards by cooling the product.

CROSS PIECE VENTILATION



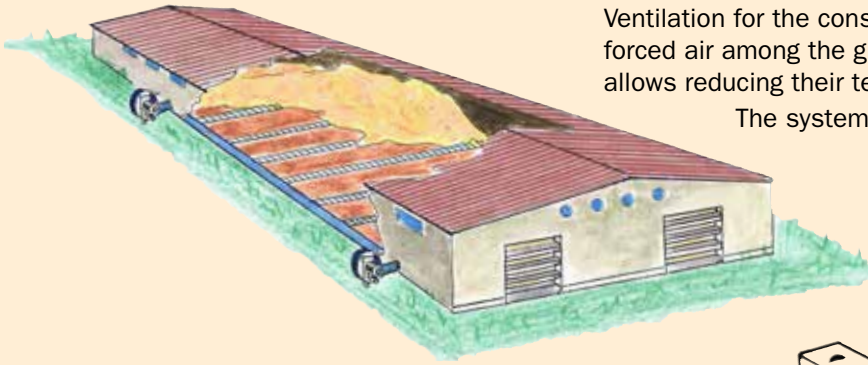
Cross piece ventilation allows the air intake on the basis of four exact conical parts of the silo; the air is outlet in the underlying part of the cross piece and rises upwards while cooling the product.

PERFORATED PANEL VENTILATION FOR WAREHOUSES

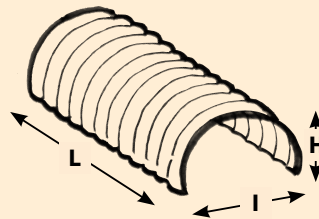
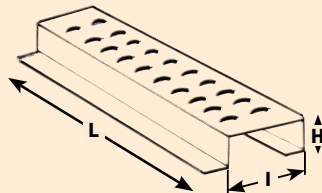
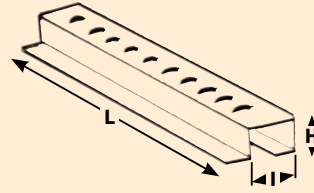
Ventilation for the conservation of the cereals consists in the inlet of forced air among the grains so as to achieve rapid heat exchange that allows reducing their temperature.

The systems positioned at the base of the stores are of two types:

1. through the aeration blades positioned on the same plane of the floor; or
2. through vaulted ducts placed on the store plane

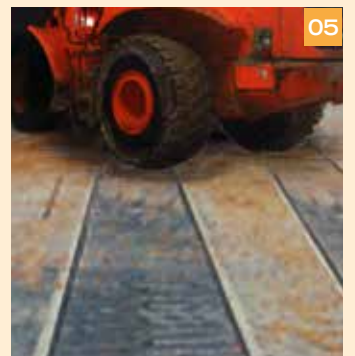


MODEL	LF 74	LF 200	LF 200 Ω	CV 460 R
TYPE	Perforated panel	Perforated panel	Perforated panel	Vault channel
FULL OR PERF.	Full	Full	Perforated	Perforated
HOLE DIAM. Ø mm	2	1	1	1,5
NUMBER OF ELEMENTS EACH METER	12,5	5	5	1,2
WEIGHT EACH METER kg	14,93	8,2	13,35	6,720
AIR PASSAGE %	6%	6%	6%	23%
LOAD CAPACITY	4000 kg	20m of cereal (height)	35m of cereal (height)	10m of cereal (height)
GALVANIZED STEEL THICKNESS mm	2,5	1,5	1,5 Omega reinforcement	1
H mm	53	36	36	330
I mm	74	200	200	460
L mm	495	470	470	836



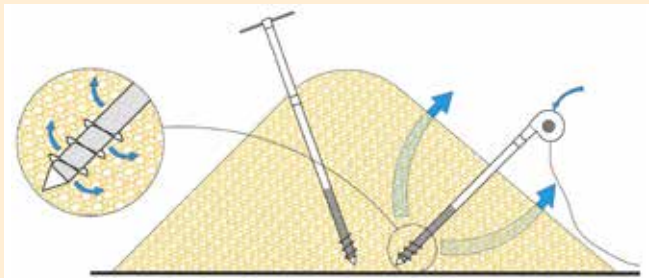
DETAILS

- 01) Vaulted ducts store ventilation
- 02) Fan
- 03) Chiller
- 04) Soundproof fan
- 05) Example of perforated paved blades

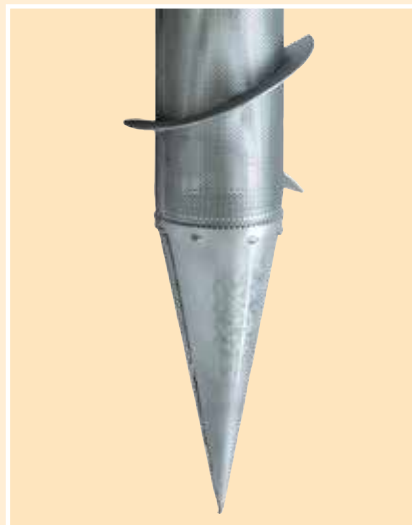


VENTILATION NOZZLE

The ventilation nozzle for cereals is used in storage plants because of its extreme ease of installation and removal.



MODEL		LVE-1	LVE-2
Engine Power	kW	0,15	1,1
Max Air Volume	m ³ /h	250	2000
Piping Length	mm	1200	1200
Perforated Piping Length	mm	800	800
Total Length	mm	2500	2500
Weight	kg	13	23

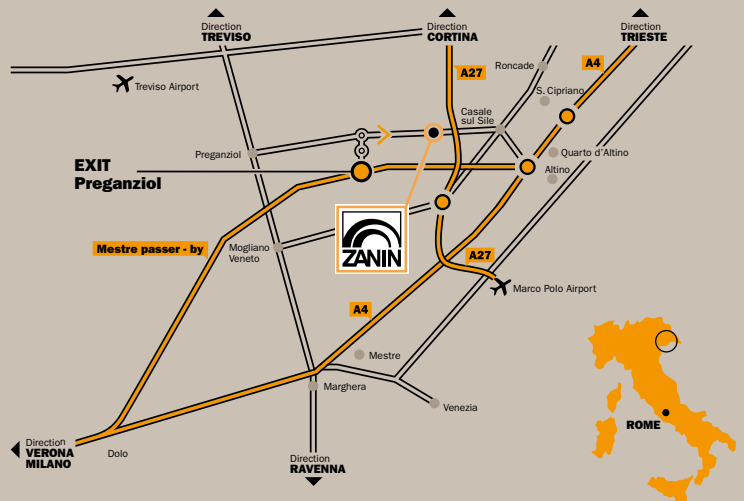


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