



## Fives Cail Newsletter

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### EXCELLENT PROCESS PERFORMANCE

Thanks to its extensive experience in the sugar process, **Fives Cail** has developed the most compact sugar dryer-cooler on the market: the multitubular sugar dryer cooler.

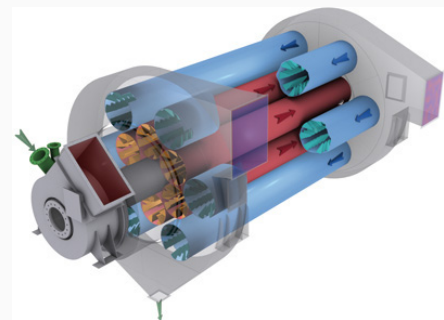
This innovative equipment, made of 6 rotating drying tubes and 6 rotating cooling tubes, is known for preserving excellent sugar quality and for having a very low environmental footprint.

**Fives Cail's** multitube sugar dryer has more than 50 references in cane, beet and refinery.

It offers excellent process performance for all kinds of sugar (raw, white and refined) with a large range of capacities, from 20 to 150 tonnes of sugar per hour.

It protects crystal shape and brightness thanks to the short fall of the sugar within the process (lower tube diameter) compared to monotube and fluidized bed technologies.

In addition, the workshop is always clean thanks to negative pressure in the dryer and no lubricated open device.



Sugar losses and particle emissions are minimal thanks to a perfect control of the air speed, of the crystal breakage and of the mixed air cleaning.

The installation of the multitube sugar dryer cooler allows for important savings thanks to:

- Low electricity consumption, between 2 to 4 kWh per tonne of sugar
- Possible installation in a cramped environment thanks to its small footprint
- Extremely reduced maintenance costs

Type	Drying tubes diameter* (mm)	Cooling tubes diameter (mm)	Distance between bearings (m)	Indicative capacity (tonnes of sugar per hour)
30 x 30 x 9.8 m	914	1,016	13.5	40
40 x 50 x 9.8 m	1,016	1,118	13.5	50
50 x 60 x 11 m	1,118	1,219	15.5	60
60 x 80 x 11 m	1,219	1,424	15.5	80
70 x 100 x 11 m	1,321	1,626	15.5	100
80 x 120 x 13 m	1,424	1,824	17.2	120
90 x 130 x 13 m	1,480	1,950	17.2	150

\* Non standard sizes available upon request

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For more about Fives Cail,  
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