



Kiln Granotherm  
**DN CB**

Innovations for a **better world.**

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# Kiln Granotherm for top quality products

## Maximum hygiene and performance

The kiln Granotherm was developed for the uniform hydrothermal treatment of oats, sorghum and other grains. It ensures the highest level of food safety in the finished products with improved shelf life.

### Premium products with uniform quality

Granotherm kiln is ideally suited for the hydrothermal treatment of oats, sorghum and other groats. It effectively inactivates the enzymes of the treated kernels, improving its digestibility and achieving the nutty taste to which consumers are used to. Most important, it prevents finished products from becoming prematurely rancid. The kiln delivers uniformly high product quality at a wide range of throughput capacities depending on your needs. It can be integrated into new plants, as well as in existing production lines.

### Meeting the highest food safety standards

The kiln has been designed with the highest standards of hygiene in mind. There are no dead points inside the machine which assures a continuous mass flow of the product being treated. Additionally, all parts in touch with the product are in stainless steel. Finally, every part of the machine is accessible for proper cleaning and maintenance.

#### Benefits

- Optimal sanitation
- Uniform product quality
- Highest uptime
- Energy saving



# Modular Design Adapted to your needs

## Ideal design for the highest uptime

While developing the Granotherm kiln, special attention was paid to designing a sturdy machine. This ensures safe and continuous operation, even under demanding production conditions. Furthermore, the kiln was designed with high cost efficiency in mind. All supporting elements of the machine are isolated to ensure savings in energy.

## High versatility

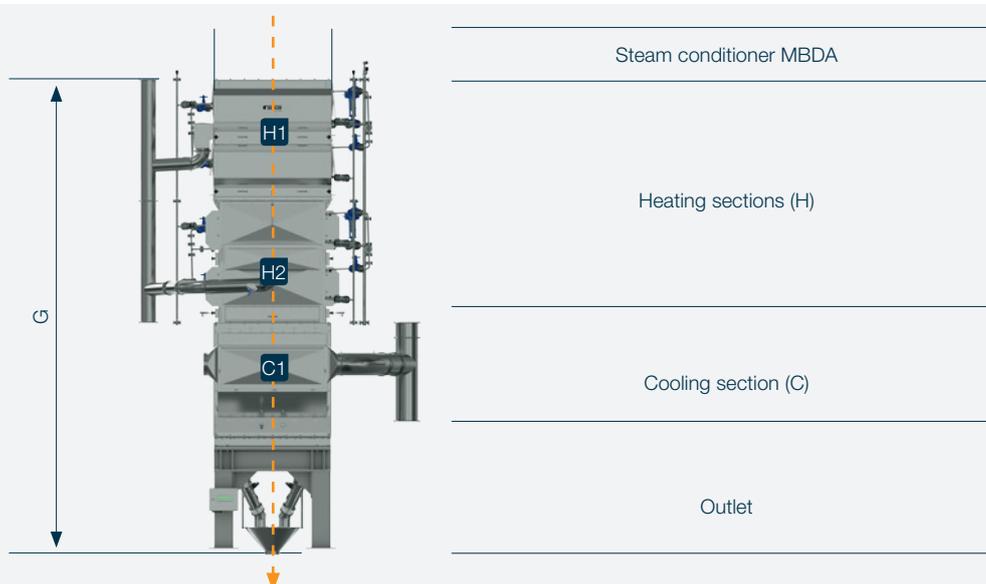
The Granotherm kiln can be configured from two to eight heating- and one to three cooling sections, depending on your individual capacity and throughput needs.

## Technical Data

Type DNCB	Total height G mm	Capacity*		Steam requirement** kg / h	Exhaust air required		Service weight kg / h	Approx. weight		
		Raw oats kg / h	Oat kernels kg / h		Heating sections m <sup>3</sup> / min	Cooling sections m <sup>3</sup> / min		unpacked kg	rail-packed kg	sea-packed kg
14021	5800	2200	2600	325	80	75	9250	4120	4650	5350
14031	7400	3200	3900	450	100	100	12730	5580	6640	7640
14042	10500	4300	5200	600	120	130	17900	8040	9080	10450
14052	12100	5400	6500	750	170	160	21380	9800	11070	12740
14062	13700	6500	7800	930	180	195	24880	11590	13100	15070
14073	16800	7600	9100	1030	230	230	30050	13840	15640	17990
14083	18400	8600	10400	1170	265	260	33550	15650	17680	20340

\* Capacity rating is based on raw oats and oat kernels with the following characteristic feature: temperature 90°C – 100°C when entering the kiln, moisture content 12% when entering the steam conditioner.

\*\* Steam and air data apply to the kiln only, i.e. without live steam for the steam conditioner mounted ahead, based on approx. 6% moisture extraction from raw oat and 5% from oat kernel; Saturated steam: 7 bar, 165°C, adjustable; product temperature: max. 115°C.



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