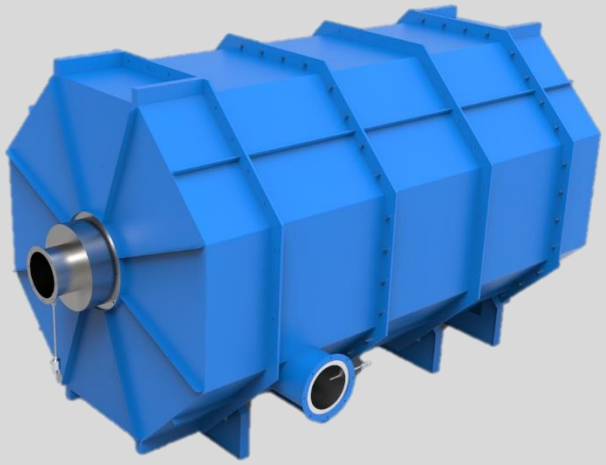
EN
06.2022

Combustion chamber **OCTOtherm BK 400**

Energy saving central heating for vulcanization channels



The OCTOtherm BK 400 is a new, central heating system for vulcanization and drying channels. In addition to the task of supplying hot air for the vulcanization channel, the combustion chamber simultaneously cleans the exhaust air.

The maximum energy efficiency of the vulcanization channel, in combination with the BK 400, is ensured by the circulating air principle.

Compared to conventional hot air channels, an energy saving potential of 50% can be achieved.

The optimal thermodynamic design of the chamber in combination with the preselected operating mode allows an extremely fast heating of the entire circulating air volume. Thus, heating costs and heating times can already be reduced during the heating phase.

The BK 400 reaches up to 900°C in its burner chamber and is able to clean an air volume of up to 550 Bm³/h. At the same time, a maximum channel temperature of 340°C is provided.

Due to its design, the chamber is easily accessible and therefore very easy to inspect and use.

The OCTOtherm BK 400 can be combined with Gerlach hot air vulcanization channels and is suitable for channel lengths of up to 24 m.

The OCTOtherm BK 400 is operated via the operator panel of the hot air channel or a self-sufficient control.

ESSENTIAL MACHINE FEATURES

- Hot air supply of the vulcanization channel up to 340 °C
- Purification of contaminated process air
- Easy to maintain
- Compact design
- Self-sufficient or integrated combustion chamber operation
- Energy savings of 50% compared to conventional systems

MACHINE DATA BK 400

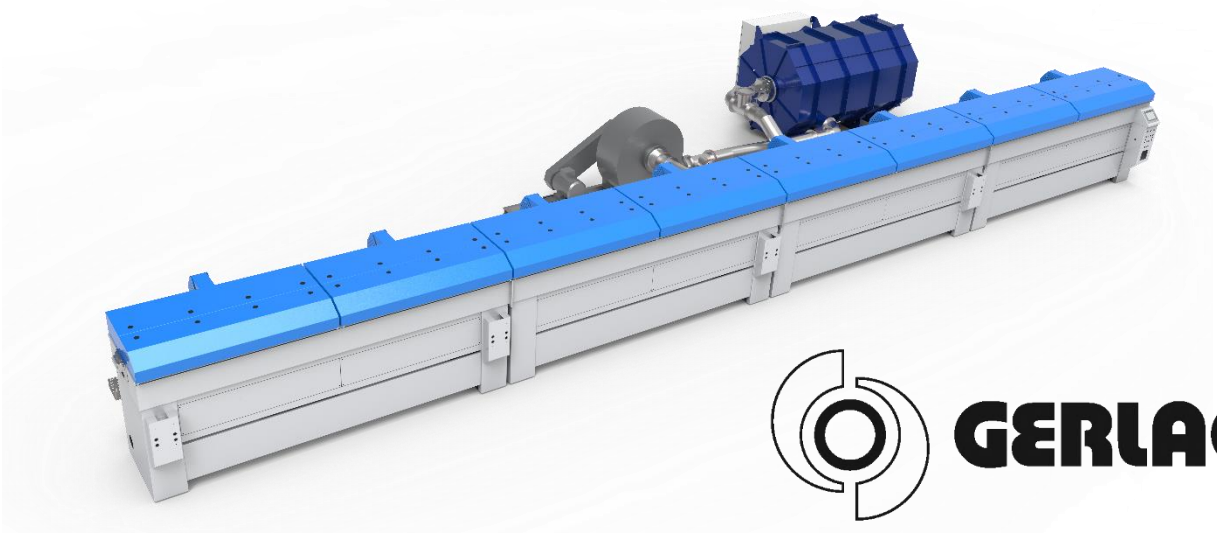
Module dimensions L x W x H	2600 x 1312 x 1364 mm
Machine weight	950 kg
Heating	Gas
Burner power	70 kW
Chamber temperature	Max. 900 °C
Channel temperature	Max. 340 °C*
Exhaust air cleaning	approx.. 550 Bm³/h
Electrical connection	230/400 V, 50 Hz 3ph, PE+N
Machine design	CE standards, DIN standards
Machine color	RAL 5005
*when used at the Gerlach Canal	

ESSENTIAL STANDARD EQUIPMENT

Burner, gas, and air supply	Yes
parameterizable burner control	Yes
self-sufficient fresh air fan	Yes
Decentralized electrical power supply	Yes
Control, PLC	SPS Siemens S7-1200
Machine operation	Touch-Panel
Switch cabinet	Attached

SPECIAL EQUIPMENT

- Own operating display for self-sufficient control
- PLC and Touch Display Allen Bradley
- Machine color according to customer requirements
- Switch cabinet air conditioning



GERLACH

Gerlach Maschinenbau GmbH
Berger Feld 3-5
D-41334 Nettetal

Tel.: +49 (0)2153 7372-2
Fax: +49 (0)2153 7372-2030
E-Mail: info@gerlach-machinery.com

www-gerlach-machinery.com