



**Kerfa®**  
**system solutions**  
**for furnaces**

## Kerfa® Performance Overview

Kerfa® develops **solutions** for gas and electrically heated furnaces. The products are tailored to individual customers and projects and made of vacuum-formed parts and electric resistive heating wires.

Kerfa® SAVAC® heating systems for electrical furnaces

Kerfa® SAVAC® insulating systems for gas-fired and electrical furnaces

Kerfa® SHS (Special Heating Systems)

Kerfa® Flex Emergency Service

Kerfa® Services and Accessories



			
Insulation segments	Insulation plates	Insulation tubes	Insulation special components
			
Development and Engineering	Service	FeCrAl and CrNi wire	Accessories and consumables
			
Cage elements	Heating coils on ceramic supporting	Meander heating elements / heating coils	Heating coil plugs
			
Heating segments (embedded heating wires)	Heating tubes (embedded heating wires)	Meander heating plates (ceramic holder)	Meander heating segments (steel hooks)



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Heating systems for  
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for gas-fired and  
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(Special Heating  
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Emergency Service

**Kerfa®**  
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## Fields of application of Kerfa® products

- Industrial and laboratory furnaces
- Melting and holding furnaces
- Thermal treatment facilities
- Protective gas generators
- Heating equipment and apparatus

## Products

- Vacuum-formed Kerfa® SAVAC® insulating systems for gas-fired furnaces
- Vacuum-formed Kerfa® SAVAC® insulating systems for electrically heated furnaces
- Electric Kerfa® SAVAC® heating systems, embedded or suspended
- Installation-ready Kerfa® heating elements
- Custom solutions
- Extensive accessories
- Spare parts

## Service

- Complete customer-specific production from prototype to series production
- Feasibility studies
- Technical consultation during furnace engineering
- Worldwide installation
- Complete furnace linings
- Modernization and relining of existing installations

## Technical details

### Vacuum-molded components

- Kerfa®-specific construction for increased stability and durability, even under vacuum
- Kerfa® sealing ledge to prevent unwanted heat transmission
- Kerfa® SAVAC® fibers feature low heat capacity and low thermal conductivity
- Minimal shrinkage and higher thermal shock resistance
- Very high insulation values of Kerfa® SAVAC® insulating systems
- Kerfa® ceramic pots ideal for mounting Kerfa® SAVAC® insulating systems
- Good form stability at high temperatures
- Easy replacement of Kerfa® SAVAC® vacuum-formed parts
- Rapid temperature adjustment

### Heating Elements

- Kerfa® meander heating elements are set at a distance from furnace wall and arranged in stable rows
- Hollow-moulded Kerfa® heating wires, open in front
- Optional mechanical safety hooks for heating wires
- Kerfa® electric resistive heating featuring high power density
- High temperature precision for the process

### Temperature Ranges

Kerfa® SAVAC® insulating systems: Max. 1.600°C  
Kerfa® heating elements: Max. 1.400°C

We aim to create long-term partnerships and base our activities on the concept of unconditional customer orientation. For more information visit [www.kerfa.com](http://www.kerfa.com). Tell us your requirements and we will put together a tailor-made solution for you. Feel free to contact us at any time.

**Kerfa® – Made in Germany – used world wide**



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