KUSATEK
powered by EOS
Individual.
Like your wishes.

With KUSATEK

Make your sauna heater suit your individual preferences

KUSATEK has more than 25 years of success and experience in the heating of commercial saunas. When it comes to professional sauna technology and individual solutions, KUSATEK and its big sister company - EOS are an unbeatable team.

The KUSATEK team has made it its own mission to assist an investor, an architect or an operator of a fitness studio, an owner of a hotel, a wellness area or a thermal bath by questions regarding sauna heaters and facilities all over the world.

KUSATEK provides a full range of professional services, including advice in planning, design, installation, as well as in annual maintenance.

Our DVGW-certified gas-powered sauna heater-systems with a power output of 10 to 120 kW offer you the most economical and environmentally friendly operation of your traditional Finnish sauna, humid or herbal bath, themed or so-called mega-sauna.

KUSATHERM
Gas-powered sauna heater-systems
Main Advantages

With the KUSATEK-system, in addition to a standard solution, individual special solutions can be realized for the most diverse installation situations. There are no limits to the performance and size of the sauna heater.Rely on Kusatek - let us work together to develop bespoke solutions for your sauna project.

- Energy cost savings compared to electric sauna heaters. The larger the area of your sauna or spa complex, the better your investment results.
- Thanks to the double spiral system, you get the largest possible heat transfer surface, a larger opportunity for energy savings and optimal conditions for traditional water splashes on sauna stones.
- Long service life due to robust design and placement of key components outside the sauna cabin.
- Individual special solutions can be realized. There are no limits to the performance and size of the sauna heater.
- Compatible with natural gas, propane and butane.
- Highest possible safety through certification according to the Equipment Regulation (EU) 2016/426. Certificate CE-0085BT0401.
- Made in Germany: developed, manufactured and tested.

MADE IN GERMANY

DVGW

KUSATHERM

The double spiral technology

One or several burners heat up a gas air mixture to about 350°C. A fan sucks this gas air mixture with suppression through the double spiral and leads the combustion air out through an exhaust gas line.

The double spiral is heated to approx. 250 to 350 °C and releases this energy as convection and radiant heat in the sauna cabin. The advantages of the double spiral are the largest heat transfer surface in respective classes, high heat reserves and an optimal, long-lasting temperature of the stones for a great, true to tradition water splash experience in your sauna.

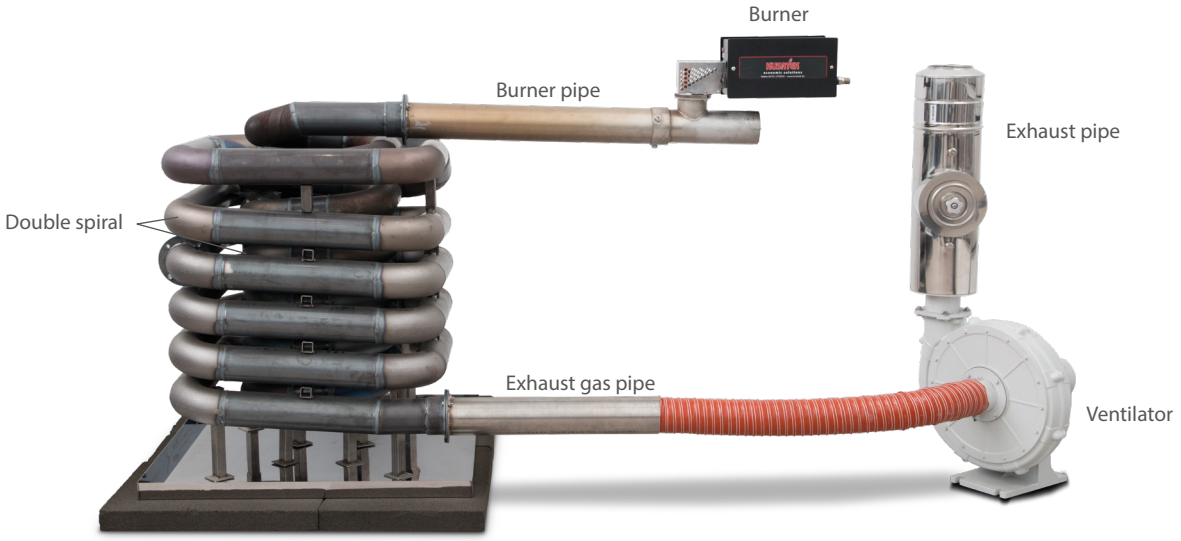
The application possibilities of our gas-powered sauna heater-systems depend on your individual needs. It does not matter to us whether the heater should be placed in the middle, between the benches or hidden behind the wall.

Heat recovery

Optimize your system with the help of a heat recovery system or an exhaust exchanger, for example to heat the hot water reservoir for shower, foot baths, floor heating, etc.

Air-Supply Element

The hottest part of the heater is in the burner pipe. Through the use of an air-supply element, by means of a fan, the pipe is cooled and the heated air is supplied to the sauna cabin. This not only ensures the necessary air exchange, but also shortens the heat-up time in the sauna cabin.



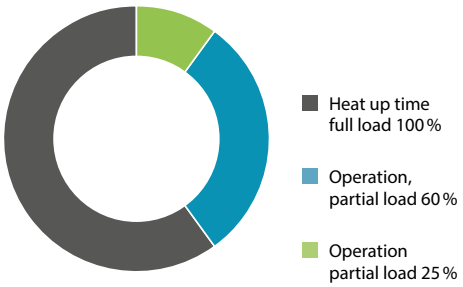
DVGWCE-0085BT0401 for gas-powered sauna heater-systems

Comparison of operating costs

Minimising the operating costs is becoming increasingly important due to constantly growing expectations going hand in hand with the number and size of the saunas. Gas-powered sauna heater-systems will provide not only a high level of comfort for your guests but also contribute significantly to the improvement of your operating results.

Comparison of gas-powered sauna heater-systems and electrically powered sauna heaters

	Daily values		Annual values	
	Gas	Electricity	Gas	Electricity
Annual operating time	1 d	1 d	360 d	360 d
Daily operating time	12 h	12 h	12 h	12 h
Heat-up at 100% full load	1,5 h	1 h	540 h	360 h
Operating time at part load 60%	4 h	4 h	1.440 h	1.440 h
Operating time at part load 25%	8 h	8 h	2.880 h	2.880 h
Total Operating & heat-up times	13,5 h	13 h	4.860 h	4.680 h



Experience for all senses

Themed sauna and megasauna

Today an owner of a themed or a megasauna must not only meet the very different guests` expectations, but rather must surpass his customers` wishes by offering a unique user experience. With all the visual and optical effects the heat in the sauna cabin still plays the key role. The heart of every sauna is the heater and its control panel.

Sauna heaters KUSATHERM have been developed to meet the constantly growing and changing demands of the market, and thus to meet the individual wishes of customers.

Experience exchange with clients at international level

Splashing water on the hot sauna stones remains as before a favourite feature and a sauna marketing tool. In addition, there is a trend towards mega and themed saunas with over 200 seats. In order to meet such requirements, in daily use and for many years to come, it is not only the power of the heater which has to be properly selected. Height, width, length and quantity of stones should match the overall concept of the sauna cabin. In order to identify new market trends as early as possible we are continuously in touch with our customers and their sauna specialists. This is true not only for Germany, KUSATEK, like EOS, operates in many international markets.

Creative beyond borders

KUSATEK Projects

Are you looking for a new sauna or for a refurbishment of the existing one? Would you like to convert your sauna to gas heating? WE WILL BE HAPPY TO PROVIDE YOU A NON-BINDING ADVICE.
Following you will find a small selection of projects made by KUSATEK. Check out the great possibilities of KUSATEK sauna heaters, designed to exactly meet the individual customer requirements.

Badewelt Sinsheim • Sinsheim

Cabin
Event sauna (refurbishment)

Heater type KUSATHERM 90
Burner 2 burners @ 30 kW

Distinctive characteristic
Existing themed sauna has been converted to an event sauna. A new spiral with increased volume of stones has been fitted.

Hotel Winzer • St.Georgen

Cabin
Event sauna

Heater type KUSATHERM 60
Burner 2 burners @ 30 kW

Distinctive characteristic
New construction of an event sauna. Another special feature is an integrated artificial fireplace.

Hotel Tratterhof • Meransen

Cabin
Panoramic view sauna

Heater type KUSATHERM 90
Burner 3 Brenner @ 30 kW

Distinctive characteristic
The Finnish outdoor sauna on the 2nd floor of the hotel has a direct access to the pool and garden area to cool off.

Photo: Günter Standl.

Elaisa Energetic Wellness • Dilsen

Cabin
Panoramic view sauna

Heater type KUSATHERM 120
Burner 4 Brenner @ 30 kW

Distinctive characteristic
The longest sauna heater in Europe with a spectacular view of the lake and breathtaking sunsets. The 12 m long gas-powered sauna heater-system is excellent for dual water splash ceremonies.

Nettebad • Osnabrück

Cabin
Mega- / Event sauna

Heater type KUSATHERM 240
Burner 8 Brenner @ 30 kW

Distinctive characteristic
Largest Kelo sauna in Northern Germany with with up to 150 seats.

Service & References

Consulting

We are your reliable partner with more than 20 years of experience in gas-fired sauna technology.
Our company will gladly provide you with all the necessary information about the possible refurbishment of your existing heater, or we will assist you in designing a new one. Do you already have one or more gas fired sauna heaters? Would You like to increase the area of your sauna? Do not hesitate to contact us for advice.

Planning

As a part of our proposal we will develop a draft design being a basis for further discussion and present you various options.

Installation

Our experienced team will install the entire KUSATHERM system up to the exhaust system.
Installation and commissioning are carried out exclusively by our qualified staff. Thus, we ensure a reliable operation.

Inspection and maintenance

Knowing that your system is running reliably 365 days a year gives you the necessary security and contributes significantly to the satisfaction of your guests. Regular inspections and maintenance are indispensable for this. We will be happy to offer you a special maintenance plan taliored to your needs.

Staff training

Our specialists will be glad to instruct and train your employees how to operate the gas-powered sauna heater-systems to ensure optimal use.

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Titisee

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ENERGETIC WELLNESS

THERMEN & BADEWELT
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Wellness
Kuscheln
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WINZER
mit Boutiquehotel

Linus Lingen
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badewelt und sauna
ERGOMAR
ERGOLDING

MOOSHOF
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plantsch
Badespaß und Saunaland

rheinwelle
Die rheinhessische Wasserwelt

Splash
SPA
TAMARO

Mineraltherme
Böblingen
Ihr Wohlbefinden
liegt uns am Herzen

FELDHOF

TAUNUS
THERME

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