



Technical Data Sheet

Kusatherm series

Gas-powered sauna heater-system for commercial sauna cabins

High-performance gas-powered sauna heater for Finnish sauna. Ideal for intensive commercial in large saunas.

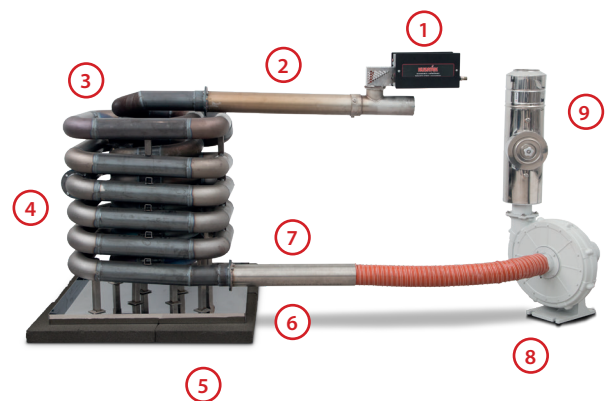
Very economical and durable thanks to the unique technical features and particularly robust construction. With the KUSATEK-system, in addition to a standard solution, individual special solutions can be realized for the most diverse installation situations.

Advantages and benefits:

- Particularly cost-efficient for large saunas.
- Kusatherm-heater feature the largest heating surface in the respective category thanks to the unique double-pipe spiral.
- Very large stone volume up to approx. 680kg for perfect temperature stability and sauna infusions.
- Optionally expandable through the combination of several heater entities – there are no limits to the performance and size of the sauna heater.
- Various additional features and options available.
- Low-noise operation.
- DVGW certified as a sauna heater.
- Made in Germany quality from KUSATEK

Features:

Burner:	10 to 30 kW per burner, suitable for natural, propane and butane gas.
Double spiral:	Steel pipe EN 10219, length depending on model 25 to 37 m, adjustable feet
Rock store:	Stainless steel frame
Drip tray:	Stainless steel
Isolation:	Glass foam
Ventilator:	Low-noise, with temperature lock
Gas exhaust:	Stainless steel, double wall, pressure-tight
Control:	External control panel included.



- 1 burner
- 2 burner pipe
- 3 inner spiral
- 4 outer spiral
- 5 glass foam
- 6 drip tray
- 7 exhaust gas pipe
- 8 ventilator
- 9 exhaust pipe



Specifications

Kusatherm		10	15	20	25 - 30	50 - 60	75 - 90	100 - 120
Sauna cabin size	m ³	10 - 15	15 - 23	23 - 30	30 - 45	45 - 90	90 - 135	135 - 200
Heating power	kW	9	14	18	23 - 27	45 - 54	67 - 81	90 - 108
Number of burners	piece	1	1	1	1	2	3	4
Number of ventilators	piece	1	1	1	1	1	1	1
Pressure - natural gas	mbar	22 / 50						
Pressure - propane / butane	mbar	28 / 50						
Connecting thread		R1/2"						
Gas consumption	m ³ /h	0,9	1,4	1,8	2,3 - 2,7	4,5 - 5,4	6,7 - 8,1	9,0 - 10,8
Electrical connection	V/Hz	230V N ~ 50Hz or 400V 3N 50Hz						
Dimenstions L x W x H (examples)								
Heating spiral (Basic)	cm	37 x 37 x 88	50 x 50 x 100	63 x 63 x 100	80 x 80 x 100	80 x 80 x 110	80 x 130 x 110	80 x 170 x 110
Enclosure – inside	cm	52 x 52 x 90	65 x 65 x 100	78 x 78 x 100	95 x 95 x 100	95 x 95 x 110	95 x 145 x 110	95 x 185 x 110
Metal housing	cm	52 x 52 x 90	65 x 65 x 100	78 x 78 x 100	95 x 95 x 105	95 x 95 x 115	95 x 145 x 115	95 x 185 x 115
Stone enclosure (e.g. granite)	cm	57 x 57 x 90	70 x 70 x 100	83 x 83 x 100	100 x 100 x 105	100 x 100 x 115	100 x 150 x 115	100 x 190 x 115
Exhaust gas pipe, pressure-tight	mm	NW 130	NW 130	NW 130	NW 130	NW 130	NW 130	NW 130
Operation independent to room air conditions								
Vertical chimney connection		-	X	-	-	X	-	-
Horizontal chimney connection		-	X	-	-	-	-	-
Operation dependent on room air conditions								
Vertical chimney connection		X	X	X	X	X	X	X
Stone filling	kg	80	100	180	260	340	500	680
Cable cross sections								
Connection to control unit	mm ²	5 x 2,5						
Control unit - room sensor	mm ²	2 x 0,5						
Control unit - heater sensor (STB)	mm ²	4 x 0,5						
Control unit - burner	mm ²	3 x 1,5						
Control unit - ventilator	mm ²	5 x 2,5						

All heaters sizes are approximate sizes.

Best possible safety thanks to certification as per directive for gas-fueled devices (EU) 2016/426. Certificate CE-0085BT0401