



FinSteam BOTNIA 81 FinSteam AURORA 81



FinSteam gas sauna heaters combine authentic Finnish sauna tradition with patented gas heating technology designed for safe, reliable, and electricity-free operation. Engineered specifically for demanding sauna environments, FinSteam heaters deliver efficient combustion, consistent heat, and advanced safety performance.

FinSteam is the only CE-marked and EU-certified electricity-free gas sauna heater available on the European market. All FinSteam heaters are manufactured in accordance with the EU Gas Appliance Regulation (EU) 2016/426 and feature patented burner technology with integrated flame monitoring and oxygen depletion safety systems.





Features & Dimensions

BOTNIA 81

AURORA 81

Main material	Heat Resistant Stainless Steel EN 1.4845 (AISI 310S) - 1100°C and Stainless Steel EN 1.4301 (AISI 304) - 850°C	Heat Resistant Stainless Steel EN 1.4845 (AISI 310S) - 1100°C and Stainless Steel EN 1.4301 (AISI 304) - 850°C
Color	Stainless Steel	Stainless Steel
Installation location	Floor / Ground	Floor / Ground
Safety system	ODS	ODS
Heater Size: H x W x D	620 x 300 x 520 mm	685 x 330 x 540 mm
Burner Unit Size: H x W x D	195 x 300 x 520 mm	260 x 330 x 540 mm
Burner Unit Weight	5.1 kg	8.1 kg
Flue Unit Size: H x Ø	460 x 250/145-165* mm	460 x 250/145 mm
Flue Unit Weight	R: 3.9 kg / O 4.1 kg	3.9 kg
Net Weight with ORBIS O	10.2 kg	-
Net Weight with ORBIS R11	11.6 kg	14.6 kg
Net Weight with ORBIS R14	12.2 kg	15.2 kg
Package Size: H x W x D	650 x 360 x 560 mm	710 x 380 x 570 mm
Gross Weight with ORBIS O	21.4 kg	-
Gross Weight with ORBIS R11	22.8 kg	27.1 kg
Gross Weight with ORBIS R14	23.4 kg	27.7 kg

* The BOTNIA O flue cap is 20 mm wider than the R flue cap.



Technical details

BOTNIA 81

AURORA 81

Power	8.1 kW	8.1 kW
Burner Type	FinSteam 2.0	FinSteam 2.0
Gas consumption - Full Power	0.59 kg/h	0.59 kg/h
Heating Time	15-25 min	15-25 min
Sauna room size min - max m³		
Sauna tents & Saunas > 1.5 W/m ² K	4 - 8 m ³	4 - 8 m ³
Saunas < 1.5 W/m ² K	4 - 10 m ³	4 - 10 m ³
Saunas < 0.7 W/m ² K	4 - 12 m ³	4 - 12 m ³
Stone size	Ø 5-10 cm	Ø 5-10 cm
Stone Amount - ORBIS O	15-18 kg	-
Stone Amount - ORBIS R11	22-25 kg	22-25 kg
Stone Amount - ORBIS R14	30-33 kg	30-33 kg
Safety distance to inflammable materials		
Sides**	200 mm / 50mm	200 mm / 50mm
Ceiling	1000 mm	1000 mm
Ventilation Requirements	Min.	Min.
Fresh air inlet opening	350 cm ²	350 cm ²
Exhaust air outlet opening	250 cm ²	250 cm ²

** The minimum safety distance can be reduced to 50 mm by using the FinSteam NJORD heat shield or other properly designed and installed protective shielding for combustible surfaces.



Appliance versions

Both gas heater models, BOTNIA and AURORA have two appliance versions:

I3B/P30 (30mbar) - Butane, propane, and their mixtures, Gas pressure 30 mbar

I3P37 (37mbar) - Propane, Gas pressure 37 mbar

Always check the country-specific gas appliance regulations and the required gas pressure.

ODS

All FinSteam gas heaters are equipped with an ODS safety system (Oxygen Depletion Sensor), making the heater safe and reliable to use. The system continuously monitors the oxygen level in the space and automatically shuts off the gas supply if the oxygen level becomes too low. This improves user safety and helps ensure safe operation in different sauna environments.

CE-Marked

FinSteam is the only CE-marked, electricity-free gas sauna heater available on the European market.

EU-Certificate

Built to meet the highest EU safety and performance standards. FinSteam gas heaters hold an EU Type-Examination Certificate in accordance with the EU Gas Appliance Regulation (EU/2016/426)

Patented Technology

Finsteam's gas heaters are based on patented burner technology that significantly improves safety, ignition reliability, and combustion quality. The patented system includes advanced safety features such as flame monitoring and an oxygen depletion sensor, ensuring safe operation especially in indoor environments, such as saunas.

Finsteam's patented technology is protected well into the future, the patent is valid until 2043.

The technology is specifically designed for sauna applications, where consistent heat, reliable performance, and high safety standards are essential, but it can also be applied to a wide range of gas heating and burner solutions.



Related products

FinSteam HALO - Safety Rail

Compatible with the
FinSteam ORBIS R - stone cage.

Diameter: 470mm

Weight: 1.1 kg



FinSteam NJORD- Heat Shield

Compatible with the
FinSteam ORBIS R - stone cage.

Size: 550 x 420 mm

Weight: 1.8 kg

Manufactured from stainless steel.





Technical Support & Contact Information

Our technical support team is happy to assist you with product information, installation guidance, spare parts, and all FinSteam heater-related questions. Please contact us for professional support and additional information.

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