SAUFLEX

TRAVEL STOVE

Portable Wood-Fired Sauna Stove

Official Technical Specification & User Guidance



25 kg
Stove Weight

15 kg
Stone Capacity

45 min
Heat-Up Time

90 mm

Manufacturer: SAUFLEX OÜ
Web: sauflex.com | saunainter.com

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1. PRODUCT OVERVIEW

Portable Wood-Fired Mobile Sauna Stove

The **SAUFLEX Travel Stove** is a compact, high-efficiency wood-burning sauna stove engineered specifically for mobile, outdoor, and expedition sauna use. Constructed from high-grade lightweight stainless steel (AISI 430 / AISI 304), it delivers a genuine Finnish sauna experience — thick steam, sustained heat, and authentic atmosphere — wherever you choose to set up camp: beside a lake, at a forest clearing, a campsite, or a fishing base. Transformable foldable legs and integrated carry handles allow rapid field assembly and single-person transportation. The modular segmented chimney packs inside the firebox during transit, keeping the entire system self-contained. A sliding ash drawer manages airflow and simplifies clean-up, while a transformable convector screen with flame-shaped ventilation cutouts maximises natural convection without requiring heavy static insulation. From cold start to bathing temperature takes just 45 minutes, and stones can be watered directly for löyly steam generation.

- 100 % airtight firebox — locking door for safe, controlled combustion
- Foldable legs + integrated handles for rapid assembly and solo transport
- Modular segmented chimney packs inside firebox during transit
- Stone basket holds up to 15 kg for even, gentle heat
- AISI 430 / AISI 304 high-grade lightweight stainless steel body
- Sliding ash drawer + convector screen with flame cutouts for airflow control
- Ready to bathe in just 45 minutes from cold start
- Classified as temporary recreational camping gear — not a stationary heater

2. TECHNICAL SPECIFICATIONS

PARAMETER	VALUE
Body Material	High-grade lightweight stainless steel — AISI 430 / AISI 304
Assembled Dimensions (L × W × H)	670 × 260 × 640 mm
Disassembled Dimensions (L × W × H)	670 × 260 × 470 mm
Stove Weight	25 kg
Stone Capacity	Up to 15 kg
Firebox Depth	450 mm
Chimney Outer Diameter	90 mm
Chimney System	Segmented modular take-apart; packs inside firebox in transit; integrated spark-arrestor
Airflow Management	Integrated sliding ash drawer + transformable convector screen with flame-shaped ventilation cutouts
Legs	Transformable / foldable — tool-free rapid assembly / disassembly
Handles	Integrated carry handles for single-person transportation
Firebox Door	Locking — 100 % airtight
Steam Generation	Direct stone watering (löyly) supported

Recommended Fuel	Dry hardwood firewood only
Heat-Up Time	Approx. 45 minutes (cold start to bathing temperature)
Max Continuous Burn (Intensive Mode)	5 hours
Applicable Installation	Outdoor temporary setup: tent saunas, campsites, mobile sauna environments
Regulatory Classification	Temporary recreational camping gear — outside scope of EU Dir. 2015/1185 / EN 15821
Manufacturer	SAUFLEX OÜ
Product Code	22188 / EAN 9331672380758

3. PACKAGE CONTENTS

- ◆ 1 × SAUFLEX Travel Stove body (AISI 430 / AISI 304 stainless steel)
- ◆ 1 × Transformable / folding leg set (pre-attached)
- ◆ 1 × Modular segmented chimney set with spark-arrestor (stores inside firebox in transit)
- ◆ 1 × Transformable convector screen with flame-shaped ventilation cutouts
- ◆ 1 × Sliding ash drawer (integrated)
- ◆ 1 × Locking firebox door (pre-fitted)
- ◆ 1 × Stone basket / top grate
- ◆ 1 × User Guidance document

Note: Sauna stones, tent, bench, bucket, and ladle are sold separately or as part of the SAUFLEX Full Travel Set bundle.

4. SITE REQUIREMENTS & PRE-INSTALLATION

- ■ **Ground surface:** Place stove on a flat, non-flammable surface. Use a fireproof mat under the legs when operating on grass or wooden decking.
- ■ **Clearances:** Maintain a minimum of 500 mm clearance from combustible materials (tent fabric, gear bags, clothing) on all sides and at least 1 000 mm above the stove top.
- ■ **Chimney routing:** Route the chimney vertically through a tent chimney collar or to open air. Never allow the chimney to terminate inside an enclosed space.
- ■ **Ventilation:** The space must be continuously ventilated during operation. At least one air inlet and one outlet must remain open at all times to prevent CO accumulation.
- ■ **Level installation:** Use a spirit level or visual check. An unlevel stove risks metal warping, stone displacement, and increased fire risk.

5. ASSEMBLY & SETUP

Step 1 — Unfold the legs

Extend all four folding legs outward until each locks into its deployed position. Confirm that all leg joints click firmly. Place the stove on a flat surface.

Step 2 — Verify levelling
Rock the stove gently to confirm stability. Adjust ground surface or use packing material under legs if necessary to eliminate any tilt.

Step 3 — Attach the chimney
Fit the chimney pipe section onto the chimney outlet on the top-rear of the stove. Ensure it seats fully and is directed vertically or at a safe angle toward open air. Confirm the spark-arrestor cap is in place.

Step 4 — Route chimney through tent collar (if applicable)
Thread the chimney through the designated high-temperature chimney collar of your tent. Ensure the collar material is not in contact with hot pipe surfaces.

Step 5 — Load sauna stones
Place sauna stones (lava or granite, recommended grain size 5–15 cm) into the stone basket on top of the stove. Fill evenly; do not overfill beyond 15 kg total weight. Avoid sharp-edged or wet stones.

Step 6 — Pre-inspection
Before lighting: confirm the chimney is clear and undamaged; confirm the firebox door opens and closes freely; confirm no combustible materials are within clearance distances.

6. OPERATING INSTRUCTIONS

6.1 Lighting the Stove

1. Place a small amount of dry tinder (paper, birch bark, or natural firelighters) on the firebox floor.
2. Stack thin dry kindling in a log-cabin or crossed arrangement on top of the tinder, leaving air gaps for circulation.
3. Light the tinder through the firebox door using a match or lighter. Never use flammable liquids (gasoline, alcohol, lighter fluid).
4. Once the kindling is burning steadily, add 2–3 pieces of dry hardwood. Close and latch the firebox door.
5. Regulate combustion intensity using the air damper / ash door control.

6.2 Adding Firewood During Operation

Open the firebox door slowly to minimise draft disturbance. Add wood in 2–3 piece increments. Arrange logs evenly with a gap between them for optimal air flow. Close and re-latch the door immediately after adding wood. **Never leave the firebox door open during normal operation.**

6.3 Steam Generation (Löyly)

Once stones are heated (typically after 35–45 minutes), pour a small quantity of water (50–100 ml) onto the stones using a ladle. The stones will vaporise the water immediately, generating steam. Add water in small amounts; excessive watering can cool the stones rapidly and damage them through thermal shock. Scented sauna essences can be mixed into the water for aromatherapy.

6.4 Extinguishing the Stove

Allow the fire to burn down naturally. Do not pour water into the firebox to extinguish flames — thermal shock will damage the steel body. Once flames have subsided, close the air damper / ash door to restrict oxygen and allow embers to cool. Ensure all embers are fully extinguished before leaving the stove unattended. The stove body remains dangerously hot for a significant period after extinguishing.

7. SAFETY INFORMATION

■ STRICTLY PROHIBITED — RISK OF INJURY, FIRE, OR CARBON MONOXIDE POISONING

- Use flammable liquids (petrol, alcohol, lighter fluid) to ignite the stove.
- Use the following as fuel: gas, coal, particleboard, laminate, hardboard (MDF/HDF), plastics, painted or treated wood, railway sleepers, or any substance that may release toxic gases when burned.
- Operate the stove with a faulty, blocked, or disconnected exhaust chimney, or when draft is absent.
- Dry footwear, clothing, or any other items directly on the stove.
- Modify, alter, or adapt the stove structure or chimney in any way not specified by the manufacturer.
- Install the stove in a corridor, passageway, or escape route.
- Operate the stove in intensive combustion mode for more than 5 consecutive hours. Do not allow the stove to overheat.
- Leave the firebox door open during normal operation (except when adding wood).
- Touch the hot stove body, chimney, or door with bare skin. Always use heat-resistant gloves.
- Move or relocate the stove while it is in operation or while embers remain active.
- Leave the operating stove unattended, especially in a tent or enclosed space.
- Operate without continuous ventilation in any enclosed structure (tent, cabin, shed).

Carbon Monoxide (CO) Warning

Wood combustion produces carbon monoxide (CO), an odourless, colourless, and potentially lethal gas. **Always ensure continuous and adequate ventilation** when operating this stove inside any tent or enclosed structure. Never close all windows, doors, and vents simultaneously. If you experience headache, dizziness, nausea, or confusion while using the stove, exit the structure immediately and seek fresh air. Consider installing a CO detector near the stove operating area.

Fire Safety

Keep a bucket of water or sand accessible at all times during stove operation. Ensure a clear exit path from the tent or space where the stove is located. Keep children and pets away from the operating stove and chimney. The stone basket, chimney, and body remain at extreme temperatures for an extended period after extinguishing — treat all surfaces as hot until confirmed cool.

8. OPERATIONAL RECOMMENDATIONS

✔ RECOMMENDATIONS

- Arrange firewood evenly in the firebox with gaps between logs to ensure efficient air circulation and complete combustion.
- Use only well-dried hardwood (oak, birch, alder, beech) for best heat output and cleanest burn. Moisture content should be below 20 %.
- Do not store firewood directly in front of the firebox opening; keep fuel at a safe distance.
- Ensure the stove stands level and stable before lighting — even a slight tilt increases the risk of stone displacement and metal deformation.
- Clean the chimney and stove interior after every 10 hours of operation, and especially after extended smouldering sessions. Creosote build-up increases fire risk.
- Maintain continuous ventilation of the tent at all times during operation. Never seal all openings.
- Pour water onto stones in small increments (50–100 ml per ladle). Excessive watering cools the stones and may cause cracking through thermal shock.
- Allow the stove to cool completely before folding the legs, packing the chimney, and stowing for transport.
- Inspect the chimney pipe, spark-arrestor cap, and firebox door latch before each use.
- Store the stove in a dry location when not in use to extend the lifespan of the chrome coating.

9. MAINTENANCE & CARE

Frequency	Task	Method
After every use	Remove ash from firebox	Cool completely; remove ash pan or use a small metal scoop. Dispose of ash safely — it may contain hot embers for 24 h.
Every 10 h of operation	Clean chimney flue	Disassemble chimney sections. Use a chimney brush to remove soot and creosote deposits.
Every 10 h of operation	Inspect spark-arrestor	Check for blockage from ash or debris. Clear if necessary.
Every season	Inspect body for corrosion	Wipe steel surfaces with a dry cloth. Apply heat-resistant oil to any raw metal spots if observed.
Every season	Check leg hinges and locks	Confirm all folding joints operate freely. Apply light machine oil if stiff.
Every season	Inspect firebox door seal / latch	Check that the latch engages firmly. Replace door gasket if seal integrity is compromised.
Before storage	Full cool-down and clean	Remove all ash, clean stones, disassemble chimney, fold legs, wrap in transport bag.

10. TROUBLESHOOTING

Symptom	Likely Cause	Corrective Action
Smoke enters the tent / space	Insufficient draft; chimney blockage; wind-induced back-draught	Check chimney for blockages. Ensure chimney extends above tent roof. Open ventilation. Relight with better-dried wood.

Stove heats slowly	Wet or unseasoned firewood; insufficient air supply	Use drier wood (< 20% moisture). Fully open ash drawer during lighting. Confirm chimney is not blocked.
Stones crack or break	Thermal shock from excessive watering; unsuitable stone type	Use only sauna-rated volcanic or granite stones. Add water in small increments only. Replace damaged stones.
Firebox door will not seal	Door latch bent; gasket worn	Check latch alignment and re-seat. Replace door gasket if compressed or torn. Contact supplier for spares.
Excessive creosote deposits	Smouldering / low-temperature burns; unseasoned wood	Increase burn temperature using drier hardwood. Clean chimney after every 10 h of use.
Legs wobble during use	Lock mechanism not fully engaged; uneven ground	Re-extend and re-lock each leg until the hinge clicks. Level the ground surface under legs.
Convector screen overheats nearby items	Combustible materials placed too close to convector screen	Maintain 500 mm minimum clearance on all sides. Reposition tent fabric, bags, or clothing away from the screen.

11. TRANSPORT & STORAGE

- Allow the stove to cool fully (minimum 3 hours after last fire) before handling for transport.
- Fold all four legs inward and confirm each hinge locks flat. This reduces the height from 640 mm to 470 mm.
- Disassemble the segmented chimney into individual sections and pack them inside the firebox — the firebox cavity is designed to accommodate the chimney segments for transit.
- Close and latch the firebox door to secure chimney segments inside during transport.
- Fold / collapse the convector screen flat and stow alongside the stove.
- Wrap the stove in a protective bag or blanket. Protect the firebox door glass (if fitted on your variant) from impact.
- Transport upright where possible. Avoid placing heavy items on top of the stone basket area.
- Store in a dry, covered location. Prolonged exposure to moisture will accelerate oxidation at welds and raw metal surfaces.
- Clean the firebox of all ash before long-term storage to prevent moisture retention and corrosion.

12. REGULATORY COMPLIANCE NOTICE

The SAUFLEX Travel Stove is a **portable recreational camping appliance** designed exclusively for temporary outdoor use inside sauna tents, at campsites, and in dynamic leisure environments. Its classification has direct implications for applicable regulatory requirements.

PRODUCT CLASSIFICATION STATEMENT

- This appliance is **NOT** a stationary room heater, boiler, or residential local space heater.
- It completely lacks permanent masonry anchoring, fixed flue connections, and static foundation requirements.
- It is classified as **temporary recreational camping gear** under applicable product category definitions.

EU EcoDesign Directive — Non-Applicability

As temporary recreational camping gear, this appliance does **not fall within the scope** of **EU Directive 2015/1185** (EcoDesign requirements for solid fuel local space heaters) or Standard **EN 15821** (which governs efficiency and

emission limits for stationary indoor wood-burning appliances). EcoDesign energy efficiency tests (threshold: >65%) are legally **non-applicable** to this class of portable camping appliances. Authorities and inspectors assessing this product should note that applying stationary appliance standards to this category would be technically and legally incorrect.

Applicable Standards & Intended Environment

Criterion	Status
EU Directive 2015/1185 (EcoDesign — stationary heaters)	NOT APPLICABLE — portable camping gear
EN 15821 (stationary indoor wood stove efficiency)	NOT APPLICABLE — portable camping gear
Permanent masonry anchoring required	NO — foldable legs, tool-free setup
Fixed flue connection required	NO — modular take-apart chimney
Static foundation required	NO — temporary ground placement
Intended use environment	Outdoor / temporary: sauna tents, campsites, leisure
EcoDesign efficiency test (>65%) required	NOT APPLICABLE — exempt category

13. MANUFACTURER & CONTACT INFORMATION

Manufacturer	SAUFLEX OÜ
Website	sauflex.com
Product Catalogue & Ordering	saunainter.com
Product Code	22188
EAN	9331672380758
Document	Official Technical Specification & User Guidance — Version 1.0
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This document is intended to provide accurate technical and operational guidance for the SAUFLEX Travel Stove. The manufacturer reserves the right to update specifications without prior notice. Always follow local fire safety regulations and guidelines when operating open-fire appliances outdoors or in temporary structures.