



## Medical Equipment Sterilization

Our 60 Liter Stove, paired with a sterilizer, creates an autoclave system that provides reliable, low-cost, medical-grade sterilization to hospitals and clinics. Powered by wood or alternative biomass fuels, the unit is designed to serve as either a backup for urban health centers or as a primary system for rural clinics without access to electricity. The system can sterilize medical equipment for reuse or medical waste for safe disposal. Untreated, bio-hazardous waste is a major disease vector, especially in the developing world in epidemic-stricken areas.

The 39-liter autoclave, manufactured by Wisconsin Aluminum Foundry, is interchangeable with our 60-liter cooking pot, and allows the stove to maintain the same high-efficiency, low-emission performance as during normal use. The system is lab and field-tested, and proven to eliminate 100% of harmful microbes with dry-steam sterilization. The unit completes a full sterilization cycle in under an hour with less than 1kg of wood.

### Attributes

- **Reliable** – Proven effective and reliable after years of use in tough conditions around the world
- **Fast** – Complete sterilization cycle takes less than an hour
- **Efficient** – Uses 0.9kg of solid fuel (2 lbs) and a minimal amount of water per cycle
- **Effective** – Failsafe indicator strips ensure complete sterilization
- **Fuel flexibility** – Runs on any biomass fuel
- **Clean-burning** – Emissions reduced by 90% versus an open-fire
- **User-friendly** – Requires minimal instruction
- **Safe** – Insulated stove design and integrated pressure-relief valve prevent operator injury
- **Durable** – Stove and autoclave are designed to withstand years of tough use
- **Easy to repair** – Interchangeable parts allow for simple repairs in the field, extending system life

## Specifications

	<u>60L Stove + Autoclave</u>	<u>Autoclave</u>
Weight	124 lbs/56 kg	40 lbs/18 kg
Diameter	23 in/59 cm	16.5 in/42 cm
Height	34.5 in/88 cm	19 in/48 cm
Shipping weight	155 lbs/70 kg	42 lbs/19 kg
Shipping dimensions	40 x 24 x 39 in 101 x 61 x 98 cm	19.5 x 19.5 x 20 in 50 x 50 x 51 cm
Sterilizer Capacity	39 Liters (10 Gallons)	39 Liters (10 Gallons)



Detail view of autoclave