

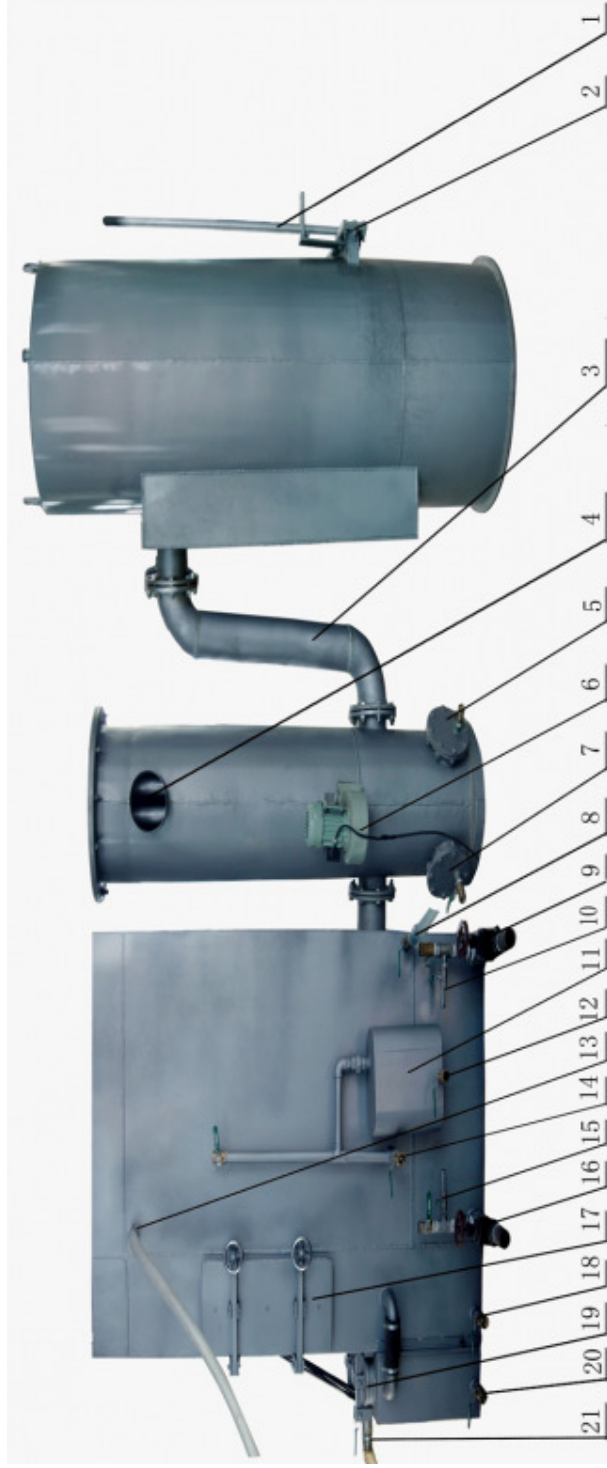


## RENEWABLE ENERGY & BIOMASS ENERGY SPECIALISTS!

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[Tuesday, September 29, 2015](#)

### STAK-100K Stratified Downdraft Gasifier (Price: \$29,995)



1. Grate shaker handle
2. Grate shaker assembly
3. Connection pipe
4. Hot air exhaust
5. Left ash clean out and water inlet valve
6. Blower motor for air heat exchanger
7. Right ash clean out and water outlet valve
8. Gas purifier water inlet
9. Right gas purifier waste water valve
10. Gas purifier over fill valve
11. Water and waste water device

12. Waste water clean out valve
13. Gas purifier water outlet
14. Waste water purifier valve
15. Gas purifier over fill valve
16. Left gas purifier waste water valve
17. Dry bed filter compartment
18. Condensate discharge valve
19. Dry bed filter compartment (fine filtration)
20. Condensate discharge valve
21. Gas outlet

**Do you want to learn to create your own electricity, your own vehicle fuel, or reduce your home heating/cooling costs? What would you do if a energy crisis began today?**

**Downdraft gasification is an alternative energy technology that converts biomass materials such as wood into energy. Biomass is mainly composed of carbon, hydrogen, and oxygen. When these elements meet in a controlled high temperature state, they combine together to become hydrogen gas, methane, and carbon monoxide. All of these gasses are combustible!**

**In today's world with the rise of terrorism and economic instability, the risk of a serious disaster occurring is very high. Those of us with families have an obligation to provide for our loved ones and keep them safe.**

**Gasification is a proven technology that helped millions of people survive during the Second World War. Gasification allowed farmers to grow crops, food to be transported, and electricity to be generated. During the fuel shortages of World War II, more than one million vehicles were powered by wood.**

**In the hands of a knowledgeable operator, our improved design biomass gasifier will enable the user to power engines for vehicle transport and “off grid” power generation. It can be used in endless thermal applications where LP (Propane) or natural gas is currently used. For these reasons, our biomass gasifier is perfect for emergency situations where no fuel is available to anyone.**

**Although wood chips are the preferred gasification fuel, our gasifier can successfully produce fuel from many materials like, mill cut-offs, corncobs, corn stover, straw, peanut husks, walnut shells, dense biomass pellets, and exec.**

**STAK 100K Demonstration Video**

## STAK 100K Biomass Gasifier Demo



### Product Features

- Downdraft gasification design, compact structure, high efficiency, and simple operation.
- Fuel can be added conveniently while simultaneously generating gas. There is no need to shut down to add more fuel, ensuring consistent operation for the user.
- Exceptional filtration system, utilizes proprietary "wet" gas scrubbing technology, as well as multiple packed bed filters. This system ensures that the tar content, ash content, and moisture content of the gas is kept to a minimum and the gas is clean.
- The unit can be started without relighting up to 20 hours later, simply by opening the air entry and turning on the blower.

### Technical specifications

**Model****STAK-100K****Approx. BTU/hour****600,000****Gas output via blower (m3/h)****100 - 120****Rated horsepower****100****Peak gas output via engine (m3/h)****200****Material required (Lb/hr) blower only  
gas production****60 - 135****Material required (Lb/hr) at peak HP  
through engine****220****Gas calorific value (KJ/m3)****4600-5200****Gasification efficiency****>70%****Gas pressure****1200Pa****Standard analysis of gasses****CO:18%, H2:6-10%, CH4:2%****Price****\$29,995****Items included**

- Downdraft gasifier unit
- Gas cooler and filtration units
- Blower assembly
- Hot air heat exchanger
- Liquid heat exchanger
- Table top stove for emergency situations, cooking, or experimentation.
- High temperature gaskets, valves, and assembly bolts
- Gasifier cleaning and operating tools
- Gasification information CD with operating and instruction manual and assembly and operation video

## Items not included

- Hose barbs and hose

## Limited Warranty

All components of our gasification system are warrantied for 90 days upon delivery. Any items that require replacement due to normal operation as described in the operating and instruction manual will be replaced by us. If any components are damaged during shipping, please contact us immediately.

## Shipping information

NOTE: It may take 8-10 weeks before your STAK-100K gasifier arrives. Each unit is built to order and contains imported parts. This allows us to sell a higher quality unit than our competitors at a much lower price.

Packing: wood box with steel frame

Ship Weight: Approx. 12,000 Lbs

Shipping price: Approx. \$1,100. Please contact us for a more accurate estimate

## Save harmless agreement

Because the use of the materials, instructions, and information being sold is beyond our control, the purchaser or user agrees, without reservation to save STAK Properties LLC, its agents, distributors, resellers, consultants, promoters, advertisers or employees harmless from any and all claims, demands, actions, debts, liabilities, judgments, costs and attorney's fees arising out of, claimed on account of, or in any manner predicted upon loss of or damage to property, and injuries to or the death of any and all persons whatsoever, occurring in connection with or in any incidental to or arising out of the purchase, sale, viewing, transfer of information and/or use of any and all property or information.

**Please [contact us](#) with any questions that you may have by filling out the form below. We will be happy to discuss your project with you.**

Full Name:

E-mail:

Phone:

Website URL:

Subject:

Message:

Send Message

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