The Most Economical Choice For Small-To-Moderate Smokeless Burning Needs

The John Zink Hamworthy Combustion 50' OAH rental air flare system is designed for low to medium smokeless flow rates. Ideal for refineries, petrochemical facilities, production facilities, and loading terminals, it features our proven LH air-assisted flare.

The LH air-assisted flare tip creates clean, upright flames with low radiation levels. This proven design is the economical choice for a number of applications including:

- Traditional plant flare
- First stage of a two component flare system, using an emergency relief flare for the major upsets
- Disposing of isolated relief gases
- Supplement to other elevated flares for burning continuous gases from leakage and small vents
- Tank purging and venting for gas tank, ships, barges, etc.
- Venting pipeline
- Suitable for onshore production
- In systems with small-to-medium gas flow and also where high pressure is available

Unique Blower Design
We employ proprietary design principles, sophisticated visualization tools, computerized modeling and full-scale testing to develop our flare systems. The results: better performance. For example, while most flaring operations take place at only a fraction of their designed smokeless rates, we equip each LH flare with a Variable Speed Air Blower to optimize overall performance efficiency.

Rent from the company that has more installed equipment than any other manufacturer in the industry. That's smart. That's JZHC.

At A Glance
- 50’ OAH stack
- LH air-assisted flare tip
- Three (3) energy efficient electronic ignition pilots
- Burns up to 35,000 #/hr without smoke
- Ships in two shipping containers for land or sea transport
- Does not require compressed air
- Includes:
  - Guy wires and hardware
  - Pilot ignition and monitoring panel
  - Blower with VFD for smoke suppression
  - Utility piping
  - 12” flanged inlet connection
  - Optional flame arrestor included

Required Utilities
- Electricity: 460V, 3ph, 60 Hz
- Pilot Fuel: 150 SCFH of natural gas at 10 psig or 75 SCFH of propane at 7 psig
- Purge Gas: 113 SCFH of a gas that will not go to dew point at atmospheric conditions
One-Day Installation
Our 50’ OAH rental air flare system is delivered in two shipping containers. The stack section ships in two pieces to be field assembled. Once assembled, the stack may be raised into place by crane in a single lift. Then, guy wires should be anchored into place to stabilize the flare and electrical connections can be made with the supplied cables. Installation typically takes less than a day.

Advanced Flare Technology From The Industry Leader
At JZHC, we engineer the world’s most advanced flaring systems for refineries, petrochemical and chemical plants, distribution facilities and upstream operations. Decades of research and development are incorporated into every flare design to provide unsurpassed reliability, safety, efficiency and cost effectiveness.

Our flares have set the standard for effective flaring solutions and continue to push to new frontiers of operational performance. Our flare experts engineer these systems from the operator’s point of view, with a focus on safety, ease of operation, and proven performance in the toughest environments and most severe conditions.

Experience: JZHC has more installed equipment than any other manufacturer in the industry. We offer a breadth and depth of combustion skill, science and synergy that serves customers across the globe.

Resources: With hundreds of engineers and technical experts, we are recognized as the authority on combustion science and clean-air innovation. Our resources include cutting-edge research and development, industrial-scale testing, world-class manufacturing and around-the-clock service and support.

Technology: Our range of capabilities is unmatched in the industry and provides a strong foundation for exploring the next generation of advanced combustion technologies.

How To Start The Rental Process
Renting from us is easy. To get started, simply complete and submit the Rental Questionnaire at johnzinkhamworthy.com/equipment-rentals/rental-inquiry-form. Once we receive your questionnaire:

+ We will send a Proposal and Lease Agreement to you
+ You complete and return the Lease Agreement
+ We’ll schedule rental equipment for delivery to your site
+ Once done with the equipment, you call us for equipment pick up
+ We’ll pick up equipment and send a final invoice

FOR MORE INFORMATION, email rental@johnzink.com or contact one of the rental team members listed below:

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For more information, visit johnzinkhamworthy.com/contacts/office-locator.