

## MAC Torch™ Pilot Lighter

### Engineered Solutions for Your Combustion System

Designed by John Zink Hamworthy Combustion's most experienced combustion engineers and fine-tuned in the field for optimum performance, the MAC Torch Pilot Lighter is a self-sparking, self-contained, low-NOx propane torch that solves common lighting challenges. This reliable, hand-held unit is simple to use and delivers an intense flame that won't "flame out" on the job.

#### Eliminates Typical Problems

The MAC Torch Pilot Lighter was designed specifically to eliminate problems commonly associated with pilot lighting.

- + Difficulty lighting due to high winds or drafts
- + Flames that blow out in windy or drafty conditions
- + Ignited rags falling off the lighting wand outside the burner and creating a safety hazard

#### Features

We leveraged our extensive in-the-field experience to determine the ideal features for a hand-held propane torch.

- + Lightweight and easy to handle
- + Small – fits in a 3/4" opening
- + Self-contained – no batteries required
- + Self-sparking
- + Wind and draft proof
- + Self-regulated fuel flow

#### Safety

Safety is the key issue in all combustion systems. Filling a heater with fuel before the pilots are lit is very dangerous and can lead to serious equipment damage and personal injury. With the MAC Torch Pilot Lighter, you can eliminate this danger by lighting the pilot first, quickly and easily.

Trading Partner:  
Aliado Comercial:



HOUSTON, TX - USA + 1 281.469.1423  
info@ferrumenergy.com

ferrumenergy.com

# MAC TORCH



*The MAC Torch Pilot Lighter is the  
no-hassle way to light your pilots.  
That's smart. That's JZHC.*



## Uptime = Profits

We're more than parts and service—we're the team that delivers Optimized Performance Solutions to help keep your system up and running at maximum efficiency.

**Call us anytime: +1 800 755 4252**

- + 24-hour emergency assistance
- + Local, on-site technical support
- + Spare and replacement parts
- + Remote, real-time troubleshooting and diagnostic support
- + Operator/maintenance training
- + Installation and start-up
- + Heater and boiler tune-ups
- + System upgrades and retrofits
- + Turnaround inspections and recommendations
- + Maintenance programs
- + Combustion surveys

## Performance Upgrades

The full benefits of our Optimized Performance Solutions go beyond simple maintenance to fully maximizing what your equipment can do for you. Our technicians are trained in the latest technologies to evaluate existing systems for upgrades, and can recommend measures that will help maximize your equipment's performance, efficiency and reliability.

## Preventative Maintenance

Minimize the potential for costly unscheduled downtime that can have a direct impact on operations. Backed by the engineering staff of the original equipment designer and supplier, our team has exclusive resources that enable them to fine-tune your equipment for optimal performance, improved reliability, and efficient operation. We can also provide preventative maintenance on other manufacturer's equipment, giving you greater peace of mind for future performance.

## Turnarounds And Shutdowns

Let us help you plan and execute a smooth turnaround that delivers optimum performance at startup and beyond. By consulting the original system parameters, we recommend specific operational and maintenance work and offer customized engineering, project management, manufacturing, installation and commissioning to help maximize the operation of your systems.

## Spare And Replacement Parts

We have thousands of parts in stock ready to go right now. And our strong vendor alliances ensure quick-response shipments of non-stock or factory-made items. With every part from JZHC, you'll get proven performance and quality to get you up and running.

## On-Site Training

Thousands of professionals have attended the acclaimed John Zink Institute<sup>SM</sup> to learn from the industry leaders. But you don't have to travel. We can bring a customized course to your facility. Our instructors will tailor the curriculum to your actual operating conditions - providing focused study for practical implementation of our improvement suggestions.

**Trading Partner / Aliado Comercial:**

HOUSTON, TX - USA + 1 281.469.1423  
info@ferrumenergy.com

**ferrumenergy.com**



We Build Trust  
Generamos Confianza



**JZHC has locations all over the map,**  
with thousands of employees worldwide.



**Global Headquarters**

johnzinkhamworthy.com  
+1 918 234 1800

Tulsa, Oklahoma | United States

To locate an office in your region,  
visit [johnzinkhamworthy.com/contacts/office-locator](http://johnzinkhamworthy.com/contacts/office-locator)