Ignition And Flame Safety Solutions
THE MOST IMPORTANT QUESTION:

CAN YOU AFFORD TO COMPROMISE?

Chentronics solutions are proven reliable, effective and cost-efficient. If you said “yes” to any of these questions, you should call us.

DO YOUR IGNITER TIPS FAIL WITHOUT WARNING?
The best way to maintain high ignition reliability is to know when ignition faults are going to occur so you can replace the igniter tip before that happens. Our sureSPARK, fastFLAME and Motivator products all feature fully-integrated igniter tip wear diagnostics so you can do just that.

WOULD YOU LIKE TO ELIMINATE HASSLE AND EXPENSE OF KEEPING BACK-UP STARTING FUEL SUCH AS PROPANE ON-SITE?
Chentronics specializes in direct, primary fuel combustion—whether the fuel is gas, light oil, diesel or residual fuel. Our ignition experts leverage more than 40 years of ignition experience and an unsurpassed knowledge of stored energy and sparks-per-second (SPS) optimization to create reliable solutions. By developing innovative, proprietary designs and utilizing solid-state materials, we deliver unparalleled ignition reliability and repeatability so you can avoid the cost and hassle of building and maintaining a back-up, emergency starting fuel system.

HAS MOISTURE CONTAMINATION EVER CAUSED AN IGNITION SYSTEM FAILURE?
Moisture can cause a failure to light both in the short-term and over the long-term. In the short-term, assuming the fuel is in a combustible state, Chentronics optimized SPS and spark energy delivery technology is unsurpassed in its ability to start in high-moisture conditions. If it can ignite, it will ignite with our HE systems.

Over the long term, high-moisture environments can cause the igniter tip, harness and even the exciter to fail—especially with high tension-type ignition systems. Chentronics offers multiple hydro-seal technologies that can be placed in the igniter tip and/or the harness/cable. These hydro-seals keep moisture out and protect your system from damaging moisture ingress.

DO YOU NEED TO BE ABLE TO START WITH ONLY DC EMERGENCY POWER?
Emergencies are happening more and more, and start-up is more critical than ever. Chentronics provides exciters that can use minimal amounts of DC Power for Ignition—even for hard to ignite primary and back-up fuels.

DO YOU WANT TO CUT THE COST OF YOUR IGNITION SYSTEM OPERATING AND CAPITAL COSTS?
Chentronics HE ignition solutions are designed to provide state-of-the-art, high-performance, cost-effective solutions for your toughest ignition applications. Let us show you how we can cut your costs while increasing ignition reliability and repeatability.

sureSpark® HIGH ENERGY IGNITION SYSTEMS
The most reliable fuel combustion for your toughest ignition applications—even in high-moisture areas.
- Built-in predictive life diagnostics
- Unsurpassed fuel type diversity
- Moisture seal-out designs of igniter tips and cables
- Hazardous area rating
- AC and DC input power options
- NO gas discharge tubes or radioactive materials

smartSpark® FLARE AND BOILER BURNER HIGH ENERGY IGNITION SYSTEM
Reliable ignition that automatically monitors tip wear so you can replace the igniter tip before an ignition fault occurs.
- Built-in predictive life diagnostics
- Unsurpassed fuel type diversity
- Hazardous area rating
- NO gas discharge tubes or radioactive materials

fastFlame® HIGH ENERGY IGNITION AND FLAME DETECTION SYSTEM
The world’s first real-time, high energy ignition and simultaneous flame detection system.
- Combines high energy ignition and flame detection in a single system
- Ignites and detects flame simultaneously
- Provides flame confirmation, the first moment flame becomes present
- Can shorten your flame proving window to half the time

Motivator® HAND-HELD HIGH ENERGY EXCITER
Hand-held high energy exciter puts heavy-duty ignition power in the palm of your hand.
- Convenient portability
- Easy-to-use, familiar “hand-held drill” design
- Tailored for gas fuel light-off
- Standard kit includes hand-held exciter, rechargeable battery pack, portable charging station, test igniter tip, 3.5-foot igniter tip and a durable carrying case with a custom-fitted foam insert

CHENTRONICS.COM
PROVEN PERFORMANCE. TRUSTED SOLUTIONS.

CHENTRONICS AT A GLANCE.

EXPERIENCE AND EXPERTISE:
For more than 40 years, Chentronics has produced patented technologies through extensive research and development, with thousands of High Energy Ignition Systems installations worldwide. Chentronics has been ISO 9001 Certified since 2004.

PRODUCT CERTIFICATIONS:
CE, UL, cUL (CSA), and ATEX. InterTek and UL are engaged for periodic inspection of our facilities.

INDUSTRIES:
Chentronics systems are trusted globally in the utility, industrial, petrochemical and marine industries.

APPLICATIONS:
Chentronics provides innovative ignition and flame safety solutions for a variety of applications including:

+ Pilots/warm-up guns for utilities and large industrial applications
+ Flares (up to 200M high)
+ Gas turbines
+ Marine boilers
+ Pilot retrofits

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